Publications

Publications are classified in three categories: Journals, Books/Book Chapters and refereed Conference Papers. Journals are grouped by impact factor then by journal name. Books and conference papers are sorted by field indicating 'alpha'. Blue highlighting indicates external research collaboration. All information below from the ANU database ARIES.

*internal authors	#external authors	external collaborations

Journals

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
		[1]IMPACT FACTOR >5		
Chen, Hua*, Chen, Ying*, Li, Chi*, Zhang, Hongzhou*, Williams, James S*, Liu, Yun*, Liu, Zongwen#, Ringer, Simon Peter#	Eu-doped Boron Nitride Nanotubes as a Nanometer-Sized Visible-Light Source	Advanced Materials	19	1845-1848
Batchelor, Murray T*, Guan, Xi-Wen*, Oelkers, N.#, Tsuboi, Z#	Integrable Models and Quantum Spin Ladders: Comparison Between Theory and Experiment for the Strong Coupling Ladder Compounds	Advances in Physics	56	465-543
Samoc, Marek*, Morrall, Joseph*, Dalton, Gulliver*, Cifuentes, Marie*, Humphrey, Mark*	Two and Three-photon Absorption in an Organometallic Dendrimer	Angewandte Chemie International Edition	46	731-733
Liang, Mao-Chang#, Heays, Alan*, Lewis, Brenton*, Gibson, Stephen*, Yung, Yuk L#	Source of Nitrogen Isotope anomaly in HCN in the Atmosphere of Titan	Astrophysical Journal	664	L115-L118
Jones, Anthony Carl*, Arns, Christoph H*, Sheppard, Adrian P*, Hutmacher, Dietmar W#, Milthorpe, Bruce#, Knackstedt, Mark*	Assessment of bone ingrowth into porous biomaterials using MICRO-CT	Biomaterials	28	2491-2504
Zebaze, Roger M D#, Jones, Anthony Carl*, Knackstedt, Mark*, Maalouf , Ghassan#, Seeman, Ego#	Construction of the Femoral Neck During Growth Determines its Strength in Old Age	Journal of Bone and Mineral Research	22	1055-1061

[1] *Source ISI / JCR 2007*

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Dalton, Gulliver*, Cifuentes, Marie*, Petrie, Simon A H*, Stranger, Robert*, Humphrey, Mark*, Samoc, Marek*	Independent Switching of Cubic Nonlinear Optical Properties in a Ruthenium Alkynyl Cruciform Complex by Employing Protic and Electrochemical Stimuli	Journal of the American Chemical Society	129	11882-11883
Titova, Lyubov V #, Hoang, Thang B #, Yarrison-Rice, Jan M #, Jackson, Howard E #, Kim, Yong*, Joyce, H J*, Gao, Qiang*, Tan, Hoe H*, Jagadish, Chennupati*, Zhang, Xin#, Zou, Jin#, Smith, Leigh M #	Dynamics of Strongly Degenerate Electron-Hole Plasmas and Excitons in Single InP Nanowires	Nano Letters	7	3383-3387
Hoang, Thang B #, Titova, Lyubov V #, Yarrison-Rice, Jan M #, Jackson, Howard E #, Govorov, A O#, Kim, Yong#, Joyce, H J*, Tan, Hoe H*, Jagadish, Chennupati*, Smith, Leigh M #	Resonant Excitation and Imaging of Nonequilibrium Exciton Spins in Single Core-Shell GaAs-AlGaAs Nanowires	Nano Letters	7	588-595
Parkinson, Patrick#, Lloyd-Hughes, J#, Gao, Qiang*, Tan, Hoe H*, Jagadish, Chennupati*, Johnston, Michael B#, Herz, Laura#	Transient Terahertz Conductivity of GaAs Nanowires	Nano Letters	7	2162-2165
Joyce, H J*, Gao, Qiang*, Tan, Hoe H*, Jagadish, Chennupati*, Kim, Yong#, Zhang, Xin#, Guo, Yanan#, Zou, Jin#	Twin-Free Uniform Epitaxial GaAs Nanowires Grown by a Two-Temperature Process	Nano Letters	7	921-926
Durr, M#, Dorn, A.#, Ullrich, Joachim#, Cao, S.P.#, Czasch, A O#, Kheifets, Anatoli*, Gotz, J.R.#, Briggs, J.S.#	(e,3e) on Helium at Low Impact Energy: The Strongly Correlated Three-Electron Continuum	Physical Review Letters	98	1-4
Dasgupta, Mahananda*, Hinde, David J*, Diaz-Torres, Alexis*, Bouriquet, Bertrand*, Low, Catherine*, Milburn, Gerard James#, Newton, J.*	Beyond the Coherent Coupled Channels Description of Nuclear Fusion	Physical Review Letters	99	192701 1-4
Hole, Matthew*, Austin, D.R.#, Robinson, Peter A#, Cairns, Iver Hugh#, Dallaqua, R.S#	Laboratory Evidence for Stochastic Plasma-Wave Growth	Physical Review Letters	99	205004 1-4

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Buccoliero, Daniel*, Desyatnikov, Anton S*, Krolikowski, Wieslaw*, Kivshar, Yuri S*	Laguerre and Hermite Soliton Clusters in Nonlocal Noninear Media	Physical Review Letters	98	053901 1-4
Neshev, Dragomir*, Sukhorukov, Andrey*, Dreischuh, Alexander*, Fischer, Robert*, Ha , Sangwoo *, Bolger, J#, Bui, Lam#, Krolikowski, Wieslaw*, Eggleton, Benjamin J#, Mitchell, Arnan#, Austin, M#, Kivshar, Yuri S*	Nonlinear spectral-spatial control and localization of supercontinuum radiation	Physical Review Letters	99	123901 1-4
Skupin, Stephan*, Saffman, Mark#, Krolikowski, Wieslaw*	Nonlocal Stabilization of Nonlinear Beams in a Self-focusing Atomic Vapor	Physical Review Letters	98	263902 1-4
Chatillon, A#, Theisen, Ch#, Bouchez, E#, Butler, P A#, Clement, E#, Dorvaux, O.#, Eeckhaudt, S.#, Gall, B.J.P.#, Gorgen, A#, Grahn, T.#, Greenlees, P#, Herzberg, R#, Hessberger, F P#, Hurstel, A#, Jones, G D#, Jones, P#, Julin, Rauno Juhani#, Juutinen, S	Observation of Rotational Band in the Odd-Z Transfermium Nucleus 251/101Md	Physical Review Letters	98	13
Diaz-Torres, Alexis*, Hinde, David J*, Tostevin, Jeffrey Allan#, Dasgupta, Mahananda*, Gasques , Leandro *	Relating Breakup and Incomplete Fusion of Weakly Bound Nuclei through a Classical Trajectory Model with Stochastic Breakup	Physical Review Letters	98	4
Parsons, Drew*, Williams, David*	Single Chains of Block Copolymers in Poor Solvents: Handshake, Spiral, and Lamellar Globules Formed by Geometric Frustration	Physical Review Letters	99	228302 1-4
Asatryan, Ara A#, Botten, Lindsay C#, Byrne, Michael#, Freilikher, Valentin D#, Gredeskul, Sergey*, Shadrivov, Ilya*, McPhedran, Ross#, Kivshar, Yuri S*	Suppression of Anderson Localization in Disordered Metamaterials	Physical Review Letters	99	4
Shats, Michael*, Xia, Hua*, Punzmann, Horst*, Falkovich, Gregory #	Suppression of Turbulence by Self-Generated and Imposed Mean Flows	Physical Review Letters	99	164502 1-4

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Batchelor, Murray T*	The Bethe Ansatz After 75 Years	Physics Today	Jan 2007	36-40
Lewis, Brenton*, Liang, Mao-Chang#, Blake, Geoffrey#, Yung, Yuk L#	Oxygen isotopic composition of carbon dioxide in the middle atmosphere	Proceedings of the National Academy of Sciences of the United States of America	104	21-25
Barrows, Timothy T*, Lehman, Scott J.#, Fifield, L Keith*, De Deckker, Patrick*	Absence of Cooling in New Zealand and the Adjacent Ocean During the Younger Dryas Chronozone	Science	318	86-89
Zou, Jin#, Paladugu, Mohanchand#, Wang, Hui#, Auchterlonie, Graeme J #, Guo, Yanan#, Kim, Yong#, Gao, Qiang*, Joyce, H J*, Tan, Hoe H*, Jagadish, Chennupati*	Growth Mechanism of Truncated Triangular III-V Nanowires	Small	2007 , 3	389-393
		IMPACT FACTOR 4-5		
Morrall, Joseph*, Dalton, Gulliver*, Humphrey, Mark*, Samoc, Marek*	Organotransition Metal Complexes for Nonlinear Optics	Advances in Organometallic Chemistry	55	61 – 136
Eriksson, Malin#, Notley, Shannon*, Wagberg, Lars#	Cellulose Thin Films: Degree of Cellulose Ordering and its Influence on Adhesion	Biomacromolecules	8	912-919
Chen, Yongjun#, Liu, Zongwen#, Ringer, Simon Peter#, Tong, Zhangfa#, Cui, Xuemin#, Chen, Ying*	Selective Oxidation Synthesis of $MnCr_2O_4$ Spinel Nanowires from Commercial Stainless Steel Foil	Crystal Growth & Design	7	2279-2281
Salis, Andrea#, Bilanicova, Dagmar#, Ninham, Barry*, Monduzzi, Maura#	Hofmeister Effects in Enzymatic Activity: Weak and Strong Electrolyte Influences on the Activity of Candida rugosa Lipase	Journal of Physical Chemistry B	111	1149-1156
Lagi, Marco#, Lo Nostro, Pierandrea#, Fratini, Emiliano#, Ninham, Barry*, Baglioni, Piero#	Insights into Hofmeister mechanisms: Anion and Degassing Effects on the Cloud Point of dioctanoylphosphatidylcholine/water systems	Journal of Physical Chemistry B	111	589-597
Lo Nostro, Pierandrea#, Ramsch, Roland#, Fratini, Emiliano#, Lagi, Marco#, Ridi, Francesca#, Carretti, Emiliano#, Ninham,	Organogels from a Vitamin C-Based Surfactant	Journal of Physical Chemistry B	111	11714-11721

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Barry*, Ambrosi, Moira#, Baglioni, Piero#				
Rossi, Simona#, Lo Nostro, Pierandrea#, Lagi, Marco#, Ninham, Barry*, Baglioni, Piero#	Specific Anion Effects on the Optical Rotation of alpha-Amino Acids	Journal of Physical Chemistry B	111	10510-10519
Bostrom, Mathias Anders#, Tavares, Frederico W#, Ninham, Barry*, Prausnitz , John M#	Effect of Salt Identity on the Phase Diagram for a Globular Protein in aqueous Electolyte Solution	Journal of Physical Chemistry B	110	24757-24760
Craig, Vincent*, Evans, Drew*	Reply to "Comment on 'The Origin of surface stress induced adsorption of iodine on gold'"	Journal of Physical Chemistry B	111	8136
Ohnishi, Satomi*, Kaneko, Daisaku*, Gong, Jian#, Osada, Yoshihito#, Stewart, Andrew*, Yaminsky, Vassili*	Influence of Cyclohexane Vapor on Stick-Slip Friction Between Mica Surfaces	Langmuir	23	7032-7038
Voinescu, Alina E#, Touraud, Didier#, Lecker, Alois #, Pfitzner, Arno#, Kunz, Werner#, Ninham, Barry*	Mineralization of CaCO3 in the Presence of Egg White Lysozyme	Langmuir	23	12269-12274
Norgren, Magnus#, Gardlund, Linda#, Notley, Shannon*, Htun, Myat#, Wagberg, Lars#	Smooth Model Surfaces from Lignin Derivatives. II. Adsorption of Polyelectrolytes and PECs Monitored by QCM-D	Langmuir	23	3737-3743
Renoncourt, A#, Vlachy, N#, Bauduin, Pierre#, Drechsler, M#, Touraud, Didier#, Verbavatz, Jean-Marc#, Dubois, M#, Kunz, Werner#, Ninham, Barry*	Specific Alkali Cation Effects in the Transition from Micelles to Vesicles through Salt Addition	Langmuir	23	2376-2381
Randles , Michael *, Lucas, Nigel*, Cifuentes, Marie*, Humphrey, Mark*, Smith, Matthew*, Willis, Anthony*, Samoc, Marek*	Mixed-Metal Cluster Chemistry. 30.[1] Syntheses and Optical Limiting Properties of Cluster-Containing Oligo- and Polyurethanes	Macromolecules	40	7807-7818
Bazhanov, Vladimir*, Mangazeev, Vladimir*	Analytic Theory of the Eight-Vertex Model	Nuclear Physics B	775	225-282
Bazhanov, Vladimir*, Mangazeev, Vladimir*, Sergeev, Sergey*	Faddeev-Volkov solution of the Yang-Baxter Equation and Discrete Conformal Symmetry	Nuclear Physics B	784	234-258

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Diaz-Torres, Alexis*, Gasques , Leandro *, Wiescher, M.#	Effects of nuclear molecular configurations on the astrophysical S-factor for 16O + 16O	Physics Letters B	652	255-258
Fitzsimmons, Kathryn*, Rhodes, Edward*, Magee, John*, Barrows, Timothy T*	The timing of linear dune activity in the Strzelecki and Tirari Deserts, Australia	Quaternary Science Reviews	26	2598-2616
		IMPACT FACTOR 3-4		
Johannessen, Bernt*, Kluth, Patrick*, Llewellyn, David*, Foran, Garry J#, Cookson, D J#, Ridgway, Mark C*	Amorphization of embedded Cu nanocrystals by ion irradiation	Applied Physics Letters	90	073119 1-3
Ruffell, Simon*, Bradby, Jodie*, Williams, James S*	Annealing kinetics of nanoindentation-induced polycrystalline high pressure phases in crystalline silicon	Applied Physics Letters	90	131901 1-3
Miniewicz, Andrzej#, Kochalska, Anna#, Mysliwiec, Jaroslaw#, Samoc, Anna*, Samoc, Marek*, Grote, James G#	Deoxyribonucleic acid-based photochromic material for fast dynamic holography	Applied Physics Letters	91	041118 1-3
Fu, Lan*, McKerracher, I*, Tan, Hoe H*, Jagadish, Chennupati*, Vukmirovic, N#, Harrison, P#	Effect of GaP strain compensation layers on rapid thermally annealed InGaAs/GaAs quantum dot infrared photodetectors grown by metal-organic chemical-vapor deposition	Applied Physics Letters	91	073515 1-3
Kucheyev, Sergei O#, Bradby, Jodie*, Li, Chi*, Ruffell, Simon*, van Buuren, T#, Felter, T E#	Effects of carbon on ion-implantation-induced disorder in GaN	Applied Physics Letters	91	261905 1-3
Paladugu, Mohanchand#, Zou, Jin#, Auchterlonie, Graeme J #, Guo, Yi N #, Kim, Yong#, Joyce, H J*, Gao, Qiang*, Tan, Hoe H*, Jagadish, Chennupati*	Evolution of InAs branches in InAs/GaAs nanowire heterostructures	Applied Physics Letters	91	133115 1-3
Orbons, Shannon#, Roberts, Ann#, Jamieson, David Norman#, Haftel, Michael I.#, Schlockerman, Carl#, Freeman, Darren*, Luther-Davies, Barry*	Extraordinary optical transmission with coaxial apertures	Applied Physics Letters	90	251107 1-3

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Ruan, Yinlan#, Kim, Myung-Ki#, Lee, Yong Hee#, Luther-Davies, Barry*, Rode, Andrei V*	Fabrication of high-Q chalcogenide photonic crystal resonators by e-beam lithography	Applied Physics Letters	90	071102 1-3
Choi, Duk-Yong*, Madden, Steve*, Rode, Andrei V*, Wang, Rongping*, Luther-Davies, Barry*	Fabrication of Low Loss $Ge_{33}As_{17}Se_{55}$ (AMTIR-1) Planar waveguides	Applied Physics Letters	91	011115 1-3
Chen, Ying*, Chen, Hua*, Yu, Jun X*, Williams, James S*, Craig, Vincent*	Focused Ion Beam milling as a New Template Technique for Patterned Growth of Carbon Nanotubes	Applied Physics Letters	90	093126 1-3
Chen, Ying*, Chen, Hua*, Yu, Jun X*, Williams, James S*, Craig, Vincent*	Focused ion beam milling as a universal template technique for patterned growth of carbon nanotubes	Applied Physics Letters	90	093126 1-3
Barik, Satya*, Tan, Hoe H*, Jagadish, Chennupati*	High temperature rapid thermal annealing of phosphorous ion implanted InAs/InP quantum dots	Applied Physics Letters	90	093106 1-3
Barik, Satya*, Fu, Lan*, Tan, Hoe H*, Jagadish, Chennupati*	Impurity-free disordering of InAs/InP quantum dots	Applied Physics Letters	90	243114 1-3
Jolley, Greg*, Fu, Lan*, Tan, Hoe H*, Jagadish, Chennupati*	Influence of quantum well and barrier composition on the spectral behavior in InGasAs quantum dots-in-a-well infrared photodetectors	Applied Physics Letters	91	173508 1-3
Went, Michael*, Vos, Maarten*	Investigation of binary compounds using electron Rutherford backscattering	Applied Physics Letters	90	072104 1-3
Corr, Cormac*, Zanger, J*, Boswell, Rod*, Charles, Christine*	Ion beam formation in a low-pressure geometrically expanding argon plasma	Applied Physics Letters	91	241501 1-3
Smith, Cameron L C#, Wu, Darran K C#, Lee, Michael#, Monat, Christelle#, Tomljenovic-Hanic, Snjezana#, Grillet, Christian#, Eggleton, Benjamin J#, Freeman, Darren*, Ruan, Yinlan*, Madden, Steve*, Luther-Davies, Barry*, Giessen,	Microfluidic photonic crystal double heterostructures	Applied Physics Letters	91	121103 1-3

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Harald#, Lee, Yong Hee#				
Fischer, Robert*, Neshev, Dragomir*, Saltiel, Solomon*, Sukhorukov, Andrey*, Krolikowski, Wieslaw*, Kivshar, Yuri S*	Monitoring ultrashort pulses by transverse frequency doubling of counterpropagating pulses in random media	Applied Physics Letters	91	031104 1-3
Mokkapati, Sudha*, Tan, Hoe H*, Jagadish, Chennupati*	Multiple wavelength InGaAs quantum dot lasers using selective area epitaxy	Applied Physics Letters	90	171104 1-3
Rao, Rui*, Bradby, Jodie*, Williams, James S*	Patterning of silicon by indentation and chemical etching	Applied Physics Letters	91	123113 1-3
Caillard, Amael*, Charles, Christine*, Boswell, Rod*, Brault, Pascal#, Coutanceau, Christophe#	Plasma based platinum nanoaggregates deposited on carbon nanofibers improve fuel cell efficiency	Applied Physics Letters	90	223119 1-3
Mishra, A#, Titova, Lyubov V #, Hoang, Thang B #, Jackson, Howard E #, Smith, Leigh M #, Yarrison-Rice, Jan M #, Kim, Yong#, Joyce, H J*, Gao, Qiang*, Tan, Hoe H*, Jagadish, Chennupati*	Polarization and temperature dependence of photoluminescence from zincblende and wurtzite InP nanowires	Applied Physics Letters	91	263104 1-3
Giulian, Raquel*, Kluth, Patrick*, Araujo, Leandro*, Llewellyn, David*, Ridgway, Mark C*	Pt nanocrystals formed by ion implantation: A defect-mediated nucleation process	Applied Physics Letters	91	093115/1-3
Hickey, D P #, Bryan, Z L#, Jones, K S #, Elliman, Robert*, Haller, E E#	Regrowth-related defect formation and evolution in MeV amorphized (001) Ge	Applied Physics Letters	90	132114 1-3
Shadrivov, Ilya*, Powell, David*, Morrison, Steven*, Kivshar, Yuri S*, Milford, Gregory N#	Scaterring of electromagnetic waves in metamaterial superlattices	Applied Physics Letters	90	201919 1-3
Kucheyev, Sergei O#, Bradby, Jodie*, Ruffell, Simon*, Li, Chi*, Felter, T E#, Hamza, A V#	Segregation and precipitation of Er in Ge	Applied Physics Letters	90	221901 1-3
Powell, David*, Shadrivov, Ilya*, Kivshar, Yuri S*, Gorkunov, Maxim V#	Self-tuning mechanisms of nonlinear split-ring resonators	Applied Physics Letters	91	144107 1-3

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Wen, X#, Davis, Jeff A#, Dao, Lap Van#, Hannaford, Peter#, Coleman, Victoria A*, Tan, Hoe H*, Jagadish, Chennupati*, Koike, Kazuto#, Sasa, Shigehiko#, Inoue, Masataka#, Yano, Mitsuaki#	Temperature dependent photoluminescence in oxygen ion implanted and rapid thermally annealed ZnO/ZnMgO multiple quantum wells	Applied Physics Letters	90	221914/ 1-3
Charles, Christine*, Boswell, Rod*	The magnetic-field-induced transition from an expanding plasma to a double layer containing expanding plasma	Applied Physics Letters	91	201505-3
Herman, Frederic*, Braun, Jean#, Senden, Timothy *, Dunlap, (William) James*	(Uâ "Th)/He thermochronometry: Mapping 3D geometry using micro-X-ray tomography and solving the associated productionâ "diffusion equation	Chemical Geology	242	126-136
Barik, Satya*, Tan, Hoe H*, Jagadish, Chennupati*	Comparison of proton and phosphorous ion implantation-induced intermixing of InAs/InP quantum dots	Nanotechnology	18	175305 1-4
Glushenkov, A*, Zhang, Hongzhou*, Zou, Jin#, Lu, Gaoqing Max#, Chen, Ying*	Efficient production of ZnO nanowires by a ball milling and annealing method	Nanotechnology	18	1-6
Caillard, Amael*, Charles, Christine*, Boswell, Rod*, Brault, Pascal#	Integrated plasma synthesis of efficient catalytic nanostructures for fuel cell electrodes	Nanotechnology	18	305603 1-9
Wen, XiaoMing#, Davis, Jeff A#, McDonald, David#, Dao, Lap Van#, Hannaford, Peter#, Coleman, Victoria A*, Tan, Hoe H*, Jagadish, Chennupati*, Koike, Kazuto#, Sasa, Shigehiko#, Inoue, Masataka#, Yano, Mitsuaki#	Ultrafast dynamics in ZnO/ZnMgO multiple quantum wells	Nanotechnology	18	315403 1-5
Vizcaino, Violaine*, Sullivan, James*, Buckman, Stephen J*, Brunger, Michael J#	Absolute elastic cross-sections for low-energy electron scattering from tetrahydrofuran	New Journal of Physics	9	1-11

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Zhang, Hongzhou*, Wang, R M#, You, L P#, Yu, Jun X*, Chen, Hua*, Yu, Da Peng #, Chen, Ying*	Boron Carbide nanowires with uniform CN_x coatings	New Journal of Physics	9	1-9
Wuester, Sebastian*, Dabrowska, Beata*	Supersonic optical tunnels for Bose-Einstein condensates	New Journal of Physics	9	
Li, Chi*, Fitz Gerald, John*, Zou, Jin#, Chen, Ying*	Transmission electron microscopy investigation of substitution reactions from carbon nanotube template to silicon carbide nanowires	New Journal of Physics	9	6 pages
Hole, Matthew*, Hudson, Stuart R#, Dewar, Robert*	Equilibria and stability in partially relaxed plasma-vacuum systems	Nuclear Fusion	47	746-753
Oades, G C#, Rasche, G#, Woolcock, W S*, Matsinos, E#, Gashi, A#	Determination of the *s*-wave pion-nucleon threshold scattering parameters from the results of experiments of pionic hydrogen	Nuclear Physics A	794	73-86
Hinde, David J*, Dasgupta, Mahananda*	Insights into the dynamics of fusion forming heavy elements	Nuclear Physics A	787	176c-183c
Dasgupta, Mahananda*, Hinde, David J*, Mukherjee, A.*, Newton, J.*	New challenges in understanding heavy ion fusion	Nuclear Physics A	787	477c-149c
Nobre, G.P.A.#, Chamon, L C#, Carlson, B.V.#, Thompson, I.J.#, Gasques , Leandro *	Tunnelling through a parabolic barrier coupled to an oscillatory degree of freedom: Application to heavy-ion fusion at sub-barrier energies	Nuclear Physics A	786	90-106
Huntington, Shane T#, Gibson, Brant Cameron#, Canning, J#, Digweed-Lyytikainen, K#, Love, John*, Steblina, V#	A fractal-based fibre for ultra-high throughput optical probes	Optics Express	15	2468-75
Baev, Alexander#, Samoc, Marek*, Prasad, Paras N#, Krykunov, Mykhaylo#, Autschbach, Jochen#	A Quantum Chemical Approach to the Design of Chiral Negative Index Materials	Optics Express	15	5730-5741
Castro-Camus, E#, Lloyd-Hughes, J#, Fu, Lan*, Tan, Hoe H*, Jagadish, Chennupati*, Johnston,	An ion-implanted InP receiver for polarization resolved terahertz spectroscopy	Optics Express	15, No 11	1-11

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Michael B#				
Ta'eed, Vahid G#, Pelusi, Mark#, Eggleton, Benjamin J#, Choi, Duk-Yong*, Madden, Steve*, Bulla, Douglas A P*, Luther-Davies, Barry*	Broadband wavelength conversion at 40Gb/s using long serpentine As_2S_3 planar waveguides	Optics Express	15	15047 - 15052
Garanovich, Ivan*, Szameit, Alexander#, Sukhorukov, Andrey*, Pertsch, Thomas#, Krolikowski, Wieslaw*, Nolte, Stefan#, Neshev, Dragomir*, Tuennermann, Andreas#, Kivshar, Yuri S*	Diffraction control in periodically curved two-dimensional waveguide arrays	Optics Express	15	9737-9747
Johnston, Benjamin F#, Dekker, Peter#, Saltiel, Solomon M#, Kivshar, Yuri S*, Withford, Michael#	Energy exchange between two orthogonally polarized waves by cascading of two quasi-phase-matched quadratic processes	Optics Express	15	13630-13639
Babushkin, Ihar#, Husakou, Anton#, Herrmann, Joachim#, Kivshar, Yuri S*	Frequency-selective self-trapping and supercontinuum generation in arrays of coupled nonlinear waveguides	Optics Express	15	11978-11983
Saltiel, Solomon*, Krolikowski, Wieslaw*, Neshev, Dragomir*, Kivshar, Yuri S*	Generation of Bessel Beams by parametric frequency doubling in annular nonlinear periodic structures	Optics Express	15	4132-4138
Egorov, Oleg A#, Lederer, Falk#, Kivshar, Yuri S*	How does an inclined holding beam affect discrete modulational instability and solitons in nonlinear cavities?	Optics Express	15	4149-4158
Choi, Duk-Yong*, Madden, Steve*, Rode, Andrei V*, Wang, Rongping*, Luther-Davies, Barry*, Baker, Neil J.#, Eggleton, Benjamin J#	Integrated shadow mask for sampled Bragg gratings in chalcogenide (As_2S_3) planar waveguides	Optics Express	15	7708 - 7712
Madden, Steve*, Choi, Duk-Yong*, Bulla, Douglas A P*, Rode, Andrei V*, Luther-Davies, Barry*, Ta'eed, Vahid G#,	Long, low loss etched As2S3 chalcogenide waveguides for all-optical signal regeneration	Optics Express	15	14414 - 14421

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Pelusi, Mark#, Eggleton, Benjamin J#				
Mingaleev, Sergei F#, Miroshnichenko, Andrey*, Kivshar, Yuri S*	Low-threshold bistability of slow light in photonic-crystal waveguides	Optics Express	15	12380-12385
Garanovich, Ivan*, Sukhorukov, Andrey*, Kivshar, Yuri S*	Nonlinear diffusion and beam self-trapping in diffraction-managed waveguide arrays	Optics Express	15	9547-9552
Dall, Robert*, Byron, Lesa*, Truscott, Andrew*, Dennis, Graham*, Johnsson, Mattias*, Jeppesen, M*, Hope, Joseph J*	Observation of transverse interference fringes on an atom laser beam	Optics Express	15	17673-17680
Lee, Michael#, Grillet, Christian#, Smith, Cameron L. C. #, Moss, D J#, Eggleton, Benjamin J#, Freeman, Darren*, Luther-Davies, Barry*, Madden, Steve*, Rode, Andrei V*, Ruan, Yinlan*, Lee, Yong Hee#	Photosensitive post tuning of chalcogenide photonic crystal waveguides	Optics Express	15	1277 - 1285
Bao, Jiming#, Tabbal, Malek#, Kim, Taegon#, Charnvanichborikarn, Supakit*, Williams, James S*, Aziz, Michael#, Capasso, Federico#	Point defect engineered Si sub-bandgap light-emitting diode	Optics Express	15	6727-6733
Trull, Jose#, Cojocaru, Crina#, Fischer, Robert*, Saltiel, Solomon*, Staliunas, Kestutis#, Herrero, Ramon#, Vilaseca, Ramon#, Neshev, Dragomir*, Krolikowski, Wieslaw*, Kivshar, Yuri S*	Second-harmonic parametric scattering in ferroelectric crystals with disordered nonlinear domain structures	Optics Express	15	10 pages
Sukhorukov, Andrey*, Neshev, Dragomir*, Kivshar, Yuri S*	Shaping and control of polychromatic light in nonlinear photonic lattices	Optics Express	15	13058-13076
Mihalache, Dumitru#, Mazilu, Dumitru#, Kivshar, Yuri S*, Lederer, Falk#	Spatiotemporal discrete surface solitons in binary waveguide arrays	Optics Express	15	10718-10724

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Koke, Sebastian#, Traeger, Denis#, Jander, Philip#, Chen, Michael*, Neshev, Dragomir*, Krolikowski, Wieslaw*, Kivshar, Yuri S*, Denz, Cornelia#	Stabilization of counterpropagating solitons by photonic lattices	Optics Express	15	6279-6292
Mihalache, Dumitru#, Mazilu, Dumitru#, Lederer, Falk#, Kivshar, Yuri S*	Stable discrete surface light bullets	Optics Express	15	589-595
Salgueiro, Jose#, Kivshar, Yuri S*	Switching with vortex beams in nonlinear concentric couplers	Optics Express	15	12916-12921
Rosberg, Christian*, Bennet, Francis*, Neshev, Dragomir*, Rasmussen, Per Dalgaard#, Bang, Ole#, Krolikowski, Wieslaw*, Bjarklev, Anders#, Kivshar, Yuri S*	Tunable diffraction and self-defocusing in liquid-filled photonic cyrstal fibres	Optics Express	15	12145-12150
Ta'eed, Vahid G#, Baker, Neil J.#, Fu, Libin#, Finsterbusch, Klaus#, Lamont, M R E#, Moss, D J#, Nguyen, H#, Eggleton, Benjamin J#, Choi, Duk-Yong*, Madden, Steve*, Luther-Davies, Barry*	Ultrafast all-optical chalcogenide glass photonic circuits	Optics Express	15	9205 - 9221
Kozyrev, Alexander B#, Qin, Chao#, Shadrivov, Ilya*, Kivshar, Yuri S*, Chuang, Issac L#, van der Weide, Daniel W#	Wave scattering and splitting by magnetic metamaterials	Optics Express	15	11714-11722
Minovich, Aliaksandr*, Neshev, Dragomir*, Dreischuh, Alexander*, Krolikowski, Wieslaw*, Kivshar, Yuri S*	Experimental reconstruction of nonlocal response of thermal nonlinear optical media	Optics Letters	32	1599-1601
Mihalache, Dumitru#, Mazilu, Dumitru#, Lederer, Falk#, Kivshar, Yuri S*	Interface discrete light bullets in waveguide arrays	Optics Letters	32	2091-2093
Alexander, Tristram J*, Desyatnikov, Anton S*, Kivshar, Yuri S*	Multivortex solitons in triangular photonic lattices	Optics Letters	32	1293-1295

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Garanovich, Ivan*, Sukhorukov, Andrey*	Nonlinear directional coupler for polychromatic light	Optics Letters	32	475-477
Rosberg, Christian*, Neshev, Dragomir*, Sukhorukov, Andrey*, Krolikowski, Wieslaw*, Kivshar, Yuri S*	Observation of nonlinear self-trapping in triangular photonic lattices	Optics Letters	32	397-399
Desyatnikov, Anton S*, Kivshar, Yuri S*, Shchesnovich, Valery#, Cavalcanti, Solange#, Hickmann, Jandir#	Resonant Zener tunneling in two-dimensional periodic photonic lattices	Optics Letters	32	325-327
Ha , Sangwoo *, Sukhorukov, Andrey*, Kivshar, Yuri S*	Slow-light switching in nonlinear Bragg-grating couplers	Optics Letters	32	1429-1431
Mihalache, Dumitru#, Mazilu, Dumitru#, Lederer, Falk#, Kivshar, Yuri S*	Spatiotemporal surface solitons in two-dimensional photonic lattices	Optics Letters	32	3173-3175
Molina, Mario I#, Kartashov, Yaroslav V#, Torner, Lluis#, Kivshar, Yuri S*	Surface solitons in chirped photonic lattices	Optics Letters	32	2668-2670
Powell, Clem*, Hurst, Stephanie*, Morrall, Joseph*, Cifuentes, Marie*, Roberts, Rachel*, Samoc, Marek*, Humphrey, Mark*	Organometallic Complexes for Nonlinear Optics. 39.1 Syntheses and Third-Order Nonlinear Optical Properties of First-Generation Peripherally Metalated Arylalkynyl Dendrimers	Organometallics	26	4456-4463
Barrows, Timothy T*, Juggins, Steve#, De Deckker, Patrick*, Calvo, E#, Pelejero, Carles#	Long-term sea surface temperature and climate change in the Australian-New Zealand region	Paleoceanography	22	17 pages
Neto, Chiara*	A novel approach to the micropatterning of proteins using dewetting of polymer bilayers	Physical Chemistry Chemical Physics	9	149-155
i, Xi#, Xu, Wen*, Cao, Shihai#, Cai, Qijia#, Lu, F#	Admittance spectroscopy of GeSi-based quantum dot systems: Experiment and theory	Physical Review B	76	245304-9
Lau, D W M#, McCulloch, D G#, Marks, N. A.#, Madsen, Nathan*, Rode, Andrei V*	High-temperature Formation of Carbon Onions within Nanofoam: An Experimental and Simulation Study	Physical Review B	75	233408 1-4

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Guan, Xi-Wen*, Batchelor, Murray T*, Li (Lee), Chaohong*, Bortz, Michael*	Phase Transitions and Pairing Signature in Strongly Attractive Fermi Atomic Gases	Physical Review B	76	085120 1-9
Johannessen, Bernt*, Kluth, Patrick*, Llewellyn, David*, Foran, Garry J#, Cookson, D J#, Ridgway, Mark C*	Ion-irradiation-induced amorphization of Cu nanoparticles embedded in SiO₂	Physical Review B	76	184203 1-11
Nobre, G.P.A.#, Chamon, L C#, Gasques , Leandro *, Carlson, B.V.#, Thompson, I.J.#	Consistent analysis of fusion data without adjustable parameters for a wide variety of heavy-ion systems	Physical Review C	75	044606 15
Beck, C.#, Keeley, N#, Diaz-Torres, Alexis*	Coupled-channel effects in elastic scattering and near-barrier fusion induced by weakly bound nuclei and exotic halo nuclei	Physical Review C	75	054605 -11
Papka, P.#, Brown, T.A.D.#, Fulton, B R#, Watson, D L #, Fox, S.P.#, Groombridge, D.#, Freer, Martin #, Clarke, N.M.#, Ashwood, N#, Curtis, N.#, Ziman, V.#, McEwan, P.#, Ahmed, S.#, Catford, W.N.#, Mahboub, D#, Timis, C.N.#, Baldwin, T.D.#, Weisser, David	Decay path measurements for the 2.429 MeV state in ^{9}Be: Implications for the astrophysical a + a + h reaction	Physical Review C	75	045803-1/8
Brown, T.A.D.#, Papka, P.#, Fulton, B R#, Watson, D L #, Fox, S.P.#, Groombridge, D.#, Freer, Martin #, Clarke, N.M.#, Ashwood, N#, Curtis, N.#, Ziman, V.#, McEwan, P.#, Ahmed, S.#, Catford, W.N.#, Mahboub, D#, Timis, C.N.#, Baldwin, T.D.#, Weisser, David	Decay studies for states in ⁹Be up to 11 MeV: Insights into the n + ⁸Be and Î± + ⁵He cluster stucture	Physical Review C	76	054605 1-8
Barker, F C*	Electron screening in the ^{3}He(d,p)^{4}He reaction	Physical Review C	75	027601-3
Mukherjee, A.*, Hinde, David J*, Dasgupta, Mahananda*, Hagino, Kouichi #, Newton, J.*, Butt, Rachel D*	Failure of the Woods-Saxon nuclear potential to simultaneously reproduce precise fusion and elastic scattering measurements	Physical Review C	75	044608-7

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Gasques , Leandro *, Brown, E.F.#, Chieffi, A.#, Jiang, C.L.#, Limongi, M.#, Rolfs, C.#, Wiescher, M.#, Yakovlev, D G#	Implications of low-energy fusion hindrance on stellar burning and nucleosynthesis	Physical Review C	76	035802 1-10
Pakarinen, J.#, Hellemans, V#, Julin, Rauno Juhani#, Juutinen, S#, Heyde, K#, Heenen, P H#, Bender, M#, Darby, I G#, Eeckhaudt, S.#, Enqvist, T#, Grahn, T.#, Greenlees, P#, Johnston-Theasby, F#, Jones, P#, Kettunen, H#, Leino, M#, Leppanen, A.P.#, Niemine	Investigation of nuclear collectivity in the neutron mid-shell nucleus ¹⁸⁶Pb	Physical Review C	75	014302-18
Hinde, David J*, Dasgupta, Mahananda*, Herrald, Nicholas*, Neilson, R*, Newton, J.*, Lane, Michael*	Isotopic dependence of fusion barrier energies in reactions forming heavy elements	Physical Review C	75	054603 1-8
Maier, K H#, Kibedi, Tibor*, Dracoulis, George*, Boutachkov, P.#, Aprahamian, A.#, Byrne, Aidan*, Davidson, Paul Murray*, Lane, Gregory*, Marie-Jeanne, M.#, Nieminen, Paivi*, Watanabe, H.*	Measurements of conversion electrons with the ²⁰⁸Pb(p,n)²⁰⁸Bi reaction and derivation of the shell model proton neutron hole interaction from the properties of ²⁰⁸Bi	Physical Review C	76	064304 1-24
Hinde, David J*, Ahlefeldt, Rose*, Thomas, Renju*, Hagino, Kouichi #, Brown, Michael*, Dasgupta, Mahananda*, Evers, Maurits*, Gasques , Leandro *, Rodriguez, Matias*	Probing the tail of the nuclear potential between identical nuclei with quasi-elastic Mott scattering	Physical Review C	76	014617
Stuchbery, Andrew *, Stone, N J#	Recoil in vacuum for Te ions: calibration, models and applications to radioactive beam g-factor measurements	Physical Review C	76	034307-8
Freer, Martin #, Boztosun, I.#, Bremner, C A#, Chappell, S P G#, Cowin, R L#, Dillon, G K#, Fulton, B R#, Greenhalgh, B J#, Munoz-Britton, T.#, Nicoli, M P#, Rae, W D M#, Singer, S M#, Sparks, N.#, Watson, D L #, Weisser, David*	Reexamination of the excited states of ¹²C	Physical Review C	76	034320 1-9

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Stuchbery, Andrew *, Nakamura, Akiumi*, Wilson, Anna*, Davidson, Paul Murray*, Watanabe, H.*, Levon, A I#	Relative g-factor measurements in the stable Te isotopes	Physical Review C	76	034306-9
Judson, D.#, Bruce, A M#, Kibedi, Tibor*, Dracoulis, George*, Byrne, Aidan*, Lane, Gregory*, Maier, K.*, Moon, C.-B#, Nieminen, Paivi*, Orce, J.N.#, Taylor, M.J.#	Structure of the isomeric states in ^{123,125}Sb	Physical Review C	76	054306 1-7
Gasques , Leandro *, Evers, Maurits*, Hinde, David J*, Dasgupta, Mahananda*, Gomes, P R S#, Anjos, R#, Brown, Michael*, Rodriguez, Matias*, Thomas, Renju*, Hagino, Kouichi #	Systematic study of the nuclear potential through high precision back-angle quasi-elastic scattering measurements	Physical Review C	76	024612-9
Barker, F C*	Width of 11B(1/2+, T = 3/2)	Physical Review C	76	027602 1-4
Sandzelius, M.#, Scholey, C#, Cederwall, B.#, Ganioglu, E.#, Andgren, K.#, Appelbe, D.#, Barton, C J#, Back, T.#, Eeckhaudt, S.#, Grahn, T.#, Greenlees, P.T.#, Hadinia, B.#, Johnson, A.#, Jones, P#, Joss, D T#, Julin, Rauno Juhani#, Juutinen, S#, Kettunen	First identification of excited states in ¹⁶⁹Ir	Physical Review C	75	054321-9
Thomas, Renju*, Saxena, A#, Sahu, P.K.#, Choudhury, R.K.#, Govil, I M#, Kailas, S#, Kapoor, S S#, Barbui, M#, Cinausero, M#, Prete, G.#, Rizzi, V#, Fabris, D.#, Lunardon, M.#, Moretto, S.#, Viesti , G.#, Nebbia, G.#, Pesente, S.#, Dalena, B.#, D'Erasmo, G	Fission and binary fragmentation reactions in 80Se+208Pb and 80Se+232Th systems	Physical Review C	75	024604-9
Leppanen, A.P.#, Uusitalo, J#, Leino, M#, Eeckhaudt, S.#, Grahn, T.#, Greenlees, P.T.#, Jones, P#, Julin, Rauno Juhani#, Juutinen, S#, Kettunen, H#, Kuusiniemi, P#,	Decay studies of the nuclides 218U and 219U	Physical Review C	75	054307-6

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Nieminen, Paivi*, Pakarinen, J.#, Rahkila, P#, Scholey, C#, Sletten, G#				
Hadinia, B.#, Cederwall, B.#, Joss, D.#, Wyss, R#, Page, R.D.#, Scholey, C#, Johnson, A.#, Lagergren, K#, Ganioglu, E.#, Andgren, K.#, Back, T.#, Appelbe, D.#, Barton, C J#, Eeckhaudt, S.#, Grahn, T.#, Greenlees, P.T.#, Jones, P#, Julin, Rauno Juhani#, Ju	In-beam -ray and - decay spectroscopy of 170Ir	Physical Review C	76	044312-8
Charles, Christine*, Ramdutt, Devien*, Brault, Pascal#, Caillard, Amael*, Bulla, Douglas A P*, Boswell, Rod*, Rabat, Herve#, Dicks, Andrew#	Low energy plasma treatment of a proton exchange membrane used for low temperature fuel cells	Plasma Physics and Controlled Fusion	49	A73-A79
Hole, Matthew*, Akers, R.J.#, Appel, Lynton C#, Buttery, R.J.#, Brickley, C.#, Conway, N.J.#, Gryaznevich, M.#, Hender, T.C.#, Kwon, O.J.#, Valovic, M.#, Medvedev, S.#, Patel, A.#, Saarelma, S.#, Taylor, D.#, Wilson, H.R.#	Ideal MHD stability of the mega-ampere spherical tokamak	Plasma Physics and Controlled Fusion	47	581-613
		IMPACT FACTOR 2-3		
Hyde, Stephen*, Schroder-Turk, Gerd#	Tangled (up in)cubes	Acta Crystallographica Section A	63	186-197
Terhalle, Bernd#, Desyatnikov, Anton S*, Bersch, C#, Trager, D#, Tang, L#, Imbrock, Jorg#, Kivshar, Yuri S*, Denz, Cornelia#	Anisotropic photonic lattices and discrete solitons in photorefractive media	Applied Physics B: Lasers and Optics	86	399-405
Chaustowski, Rene*, Leung, V.*, Baldwin, Kenneth*	Magnetic hexapole lens focusing of a metastable helium atomic beam for UV-free lithography	Applied Physics B: Lasers and Optics	86	491-496
Aste, Tomaso*, Di Matteo, Tiziana*	Correlations and aggregate statistics in granular packs	European Physical Journal E	22	235-240

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Hattori, Haroldo*, McKerracher, I*, Tan, Hoe H*, Jagadish, Chennupati*, De La Rue, Richard M#	In-plane coupling of light from InP-based photonic crystal band-edge lasers into single-mode waveguides	IEEE Journal of Quantum Electronics	43	279-286
Pelusi, Mark#, Ta'eed, Vahid G#, Lamont, M R E#, Madden, Steve*, Choi, Duk-Yong*, Luther-Davies, Barry*, Eggleton, Benjamin J#	Ultra-high nonlear As2S3 planar waveguide for 160-gb/s optical time-division demultiplexing by four-wave mixing	IEEE Photonics Technology Letters	19	1496-1498
Hattori, Haroldo*, Tan, Hoe H*, Jagadish, Chennupati*	Analysis of optically pumped compact laterally coupled distributed feedback lasers with three symmetric defect regions	Journal of Applied Physics	102	083109 1-8
Ruffell, Simon*, Bradby, Jodie*, Williams, James S*, Munroe, Paul#	Formation and growth of nanoindentation-induced high pressure phases in crystalline and amorphous silicon	Journal of Applied Physics	102	063521 1-8
Oliver, David*, Bradby, Jodie*, Williams, James S*, Swain, Michael Vincent#, Munroe, Paul#	Giant pop-ins and amorphization in germanium during indentation	Journal of Applied Physics	101	043524 1-9
Ruffell, Simon*, Bradby, Jodie*, Fujisawa, Naoki*, Williams, James S*	Indentification of nanoindentation-induced phase changes in silicon by in situ electrical characterization	Journal of Applied Physics	101	083531 1-7
Stewart Sears, Kalista*, Buda, Manuela*, Tan, Hoe H*, Jagadish, Chennupati*	Modeling and characterization of InAs/GaAs quantum dot lasers grown using metal organic chemical vapor deposition	Journal of Applied Physics	101	013112 1-9
Choi, Duk-Yong*, Madden, Steve*, Rode, Andrei V*, Wang, Rongping*, Luther-Davies, Barry*	Nanoscale phase separation in ultrafast pulsed laser deposited arsenic trisulfide (As2</SUBS3) films and its effect on plasma etching	Journal of Applied Physics	102	083532 1-5
Baev, Alexander#, Furlani, Thomas#, Samoc, Marek*, Prasad, Paras N#	Negative refractivity assisted optical power limiting	Journal of Applied Physics	102	043101 1-5

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Miniewicz, Andrzej*, Kraszynski, Piotr#, Samoc, Anna*, Samoc, Marek*	Observation of second-harmonic generation in an oriented glassy nematic phase of a *closo*-decaborane derivative	Journal of Applied Physics	102	033108 1-7
Wang, Rongping*, Choi, Duk-Yong*, Rode, Andrei V*, Madden, Steve*, Luther-Davies, Barry*	Rebonding of Se to As and Ge in Ge33As12Se55 films upon thermal annealing: Evidence from x-ray photoelectron spectra investigations	Journal of Applied Physics	101	113517-1 – 4
Ashrafi, Abm*, Jagadish, Chennupati*	Review of zincblende ZnO: Stability of metastable ZnO phases	Journal of Applied Physics	102	071101-1-12
Shirokoff, J#, Young, L C#, Brits, L C#, Andrews, G T#, Johannessen, Bernt*, Ridgway, Mark C*	Structural and elastic characterization of Cu-implanted SiO2 films on Si(100) substrates	Journal of Applied Physics	101	043503 1-6
Warr, Gregory#, Tarrant, Richard#, Bilek, Marcela#, McKenzie, David R.#, Harris, Jeffrey H#, Howard, John*, Blackwell, Boyd*	Tomographic interferometry of a filtered high-current vacuum arc plasma	Journal of Applied Physics	101	073302 - 01-11
Sundaresan, Siddarth G#, Rao, Mulpuri V#, Tian, Yong-lai#, Ridgway, Mark C*, Schreifels, John A#, Kopanski, Joseph A#	Ultrahigh-temperature microwave annealing of Al(sup>+ and P^+-implanted 4*H*-SiC	Journal of Applied Physics	101	073708 1-7
Eriksson, Malin#, Notley, Shannon*, Pelton, Robert#, Wagberg, Lars#	The role of polymer compatibility in the adhesion between surfaces saturated with modified dextrans	Journal of Colloid and Interface Science	310	312-320
Lingstrom, Rikard #, Notley, Shannon*, Wagberg, Lars#	Wettability changes in the formation of polymeric multilayers on cellulose fibres and their influence on wet adhesion	Journal of Colloid and Interface Science	314	1-9
Lumpe, Jerry D.#, Floyd, Linton E.#, Herring, Lynn C.#, Gibson, Stephen*, Lewis, Brenton*	Measurements of thermospheric molecular oxygen from the Solar Ultraviolet Spectral Irradiance Monitor	Journal of Geophysical Research	112	D16308 1-19
Henry, Christine*, Dalton, Casuarina*, Scruton, LeHoa*, Craig, Vincent*	Ion-Specific Coalescence of Bubbles in Mixed Electrolyte Solutions	Journal of Physical Chemistry A	111	1015-1023

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Feuvrie, Christophe #, Maury, Olivier#, Bozec, Hubert Le#, Ledoux, Isabelle#, Morrall, Joseph*, Dalton, Gulliver*, Samoc, Marek*, Humphrey, Mark*	Nonlinear Optical and Two-Photon Absorption Properties of Octupolar Tris(bipyridyl)metal Complexes	Journal of Physical Chemistry A	111	8980-8985
Coe, Benjamin J.#, Samoc, Marek*, Samoc, Anna*, Zhu, Lingyun#, Yi, Yuanping#, Shuai, Zhigang#	Two-Photon Absorption Properties of Iron(II) and Ruthenium(II) Trischelate Complexes of 2,2':4,4'':4',4'''-Quaterpyridinium Ligands	Journal of Physical Chemistry A	111	472 -478
Ahmed, Md F#, Ji, W#, McEachran, Robert*, Stauffer, A D#	Elastic scattering of spin-polarized electroncs from CS atoms	Journal of Physics B: Atomic, Molecular and Optical Physics	40	4119-4129
Li (Lee), Chaohong*, Ostrovskaya, Elena*, Kivshar, Yuri S*	Nonlinearity-assisted quantum tunnelling in a matter-wave interferometer	Journal of Physics B: Atomic, Molecular and Optical Physics	40	4235-4244
Kheifets, Anatoli*	Sequential two-photon double ionization of noble gas atoms	Journal of Physics B: Atomic, Molecular and Optical Physics	40	F313-F318
Zhang, Hongzhou*, Zhao, Q#, Yu, Jin*, Yu, Da Peng #, Chen, Ying*	Field-emission characteristics of conical boron nitride nanorods	Journal of Physics D: Applied Physics	40	144-147
Janda, Petr#, Valenta, Jan#, Rehspringer, Jean-Luc#, Mafouana, Rodrigue R#, Linnros, Jan#, Elliman, Robert*	Modified spontaneous emission of silicon nanocrystals embedded in artificial opals	Journal of Physics D: Applied Physics	40	5847-5853
Batchelor, Murray T*, Guan, Xi-Wen*, He, J.S.#	The Bethe Ansatz for 1D Interacting Anyons	Journal of Statistical Mechanics: Theory and Experiment	P03007 March	1-20
White, Richard T#, He, Yabai#, Orr, Brian J#, Kono, Mitsuhiko*, Baldwin, Kenneth*	Control of frequency chirp in nanosecond-pulsed laser spectroscopy. 3. Spectrotemporal dynamics of an injection-seeded optical parametric oscillator	Journal of the Optical Society of America B	24	2601-2609
Finsterbusch, Klaus#, Baker , Neil J#, Ta'eed, Vahid G#, Eggleton, Benjamin J#, Choi, Duk-Yong*, Madden, Steve*, Luther-Davies, Barry*	Higher-order mode grating devices in As_2S_3 chalcogenide glass rib waveguides	Journal of the Optical Society of America B	24	1283 - 1290

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Alexander, Annabel*, Longdell, Jevon*, Sellars, Matthew*	Measurement of ground-state hyperfine coherence time of $^{151}Eu^{3+}:Y_2SiO_5$	Journal of the Optical Society of America B	24	2479 - 2482
Mokkapati, Sudha*, Du, Si*, Buda, M#, Fu, Lan*, Tan, Hoe H*, Jagadish, Chennupati*	Multiple Wavelength InGaAs Quantum Dot Lasers Using Ion Implantation Induced Intermixing	Nanoscale Research Letters	2	550-553
Kheifets, Anatoli*, Ivanov, Igor*, Bray, Igor#	Angular anisotropy parameters and recoil-ion momentum distribution in two-photon ionization of helium	Physical Review A	76	025402 1-4
Kheifets, Anatoli*, Ivanov, Igor*, Bray, Igor#	Different escape modes in two-photon double ionization of helium	Physical Review A	75	024702 1-4
Namdar, Abdolrahman *, Shadrivov, Ilya*, Kivshar, Yuri S*	Excitation of backward Tamm states at an interface between a periodic photonic crystal and a left-handed metamaterial	Physical Review A	75	053812 1-4
Guan, Xi-Wen*, Batchelor, Murray T*, Takahashi, Minoru#	Ferromagnetic behavior in the strongly interacting two-component Bose gas	Physical Review A	76	043617 1-11
Doktorov, Evgeny V#, Rothos, Vassilis M#, Kivshar, Yuri S*	Full-time dynamics of modulational instability in spinor Bose-Einstein condensates	Physical Review A	76	1-6
Cavanagh, Steven John*, Gibson, Stephen*, Gale, M.N.*, Dedman, Colin J*, Roberts, E*, Lewis, Brenton*	High-resolution velocity-map-imaging photoelectron spectroscopy of the OÂ- photodetachment fine-structure transitions	Physical Review A	76	052708 1-9
Bellm, Susan*, Lower, Julian*, Bartschat, Klaus R#, Guan, X.#, Weflen, D#, Foster, M.#, Harris, A.L.#, Madison, Don Harvey#	Ionization and ionization-excitation of helium to the n=1-4 states of He⁺ by electron impact	Physical Review A	75	042704 1-12
Dabrowska, Beata*, Ostrovskaya, Elena*, Alexander, Tristram J*, Kivshar, Yuri S*	Multicomponent gap solitons in spinor Bose-Einstein condensates	Physical Review A	75	023617 1-11
Wuester, Sebastian*, Dabrowska, Beata*, Bradley, Adrian J#, Davis, Matthew John#, Blakie,	Quantum depletion of collapsing Bose-Einstein condensates	Physical Review A	75	043611 1-8

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
P. Blair#, Hope, Joseph J*, Savage, Craig*				
Benet, L#, Chadderton, Lewis*, Kun, Sergey*, Wang, Qi#	Quantum-classical transition for an analog of the double-slit experiment in complex collisions: Dynamical decoherence in quantum many-body systems	Physical Review A	75	062110 1-5
Ivanov, Igor*, Kheifets, Anatoli*	Single-photon double ionization of negative hydrogen ions in the presence of a dc electric field	Physical Review A	75	062701 1-6
Minzoni, Antonmaria A#, Smyth, Noel F#, Worthy, Annette L#, Kivshar, Yuri S*	Stabilization of vortex solitons in nonlocal nonlinear media	Physical Review A	76	063803 / 1-6
Ivanov, Igor*, Kheifets, Anatoli*	Two-photon double ionization of helium in the region of photon energies 42-50 eV	Physical Review A	75	033411 1-6
Kheifets, Anatoli*, Bray, Igor#	Valence-shell double photionization of alkaline-earth-metal atoms	Physical Review A	75	042703 1-11
Ranganathan, Prabhakar*, Sevick, Edith M*, Williams, David*	Coarse-graining intramolecular hydrodynamic interaction in dilute solutions of flexible polymers	Physical Review E	76	011809/1â "011809/12
Chang, Wonkeun*, Ankiewicz, Adrian*, Akhmediev, Nail*, Soto-Crespo, Jose M#	Creeping Solitons in Dissipative Systems and Their Bifurcations	Physical Review E	76	016607 1-8
Miroshnichenko, Andrey*, Molina, Mario I#, Kivshar, Yuri S*	Localized modes and bistable scattering in nonlinear network junctions	Physical Review E	75	046602 1-5
Soto-Crespo, Jose M#, Grelu, Philippe#, Akhmediev, Nail*, Devine, Natasha*	Soliton Complexes in Dissipative Systems: Vibrating, Shaking and mixed Soliton Pairs	Physical Review E	75	016613 1-9
Numata, Ryusuke*, Ball, Rowena*, Dewar, Robert*	Bifurcation in Electrostatic Resistive Drift Wave Turbulence	Physics of Plasmas	14	102312 1-8

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Hudson, Stuart R#, Hole, Matthew*, Dewar, Robert*	Eigenvalue problems for Beltrami fields arising in a three-dimensional toroidal magnetohydrodynamic equilibrium problem	Physics of Plasmas	14	052505 1-12
Plihon, N#, Chabert, Pascal#, Corr, Cormac*	Experimental investigation of double layers in expanding plasmas	Physics of Plasmas	14	013506 1-14
Corr, Cormac*, Boswell, Rod*	High-beta plasma effects in a low-pressure helicon plasma	Physics of Plasmas	14	122503 1-7
Meige, Albert*, Sutherland, Orson*, Smith, Helen*, Boswell, Rod*	Ion heating in the presheath	Physics of Plasmas	14	032104 1-7
Takahashi, Takashi*, Charles, Christine*, Boswell, Rod*, Kaneko, Toshiro#, Hatakeyama, R#	Measurement of the energy distribution of trapped and free electrons in a current-free double layer	Physics of Plasmas	14	114503 1-4
Charles, Christine*	A review of recent laboratory double layer experiments	Plasma Sources Science and Technology	16	R1-R25
Curley, Garret A #, Maric, Dragana#, Booth, Jean-Paul#, Corr, Cormac*, Chabert, Pascal#, Guillon, Jean#	Negative ions in single and dual frequency capacitively coupled fluorocarbon plasmas Yes	Plasma Sources Science and Technology	16	S87-S93
Balcon, Nicolas*, Aanesland, Ane*, Boswell, Rod*	Pulsed RF discharges, glow and filamentary mode at atmospheric pressure in argon	Plasma Sources Science and Technology	16	217-225
Shalav, Avi*	PHOTOVOLTAICS LITERATURE SURVEY (No. 58)	Progress in Photovoltaics: Research and Applications	15	749-754
Shalav, Avi*	PHOTOVOLTAICS LITERATURE SURVEY (No. 59)	Progress in Photovoltaics: Research and Applications	16	87-91
Shalav, Avi*	PHOTOVOLTAICS LITERATURE SURVEY (No. 60)	Progress in Photovoltaics: Research and Applications	16	181-185
Zhao, Y#, Wu, Y S#, Kong, C#, Wexler, D#, Vos, Maarten*, Went, Michael*, Dou, S X#	Phase evolution in PLD MgB2 films during the in situ annealing process	Superconductor Science and Technology	20	S467-S471

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
		IMPACT FACTOR 1-2		
Hattori, Haroldo*, Schneider, Vitor M#, Barbosa, Carmem L #	Analysis of distributed-feedback lasers with fractionally organized gratings	Applied Optics	46	1283-1289
Quigley, Mark#, Sandiford, Michael. A#, Fifield, L Keith*, Alimanovic, Abaz#	Bedrock erosion and relief production in the northern Flinders Ranges, Australia	Earth Surface Processes and Landforms	32	929-944
Reinhardt, Liam J.#, Hoey, T.B.#, Barrows, Timothy T*, Dempster, T J#, Bishop, P.#, Fifield, L Keith*	Interpreting erosion rates from cosmogenic radionuclide concentrations measured in rapidly eroding terrain	Earth Surface Processes and Landforms	32	390-406
Bird, M I#, Fifield, L Keith*, Teh, T S#, Chang, C.H.#, Shirlaw, N#, Lambeck, Kurt*	An inflection in the rate of early mid-Holocene eustatic sea-level rise: A new sea-level curve from Singapore	Estuarine, Coastal and Shelf Science	71	523-536
Schroeder, Gerd*, Fogden, Andrew*, Hyde, Stephen*	Biocontinuous geometrices and molecular self-assembly: comparison of local curvature and global packing variations in genus-three cubic, tetragonal and rhombohedral surfaces	European Physical Journal B	54	509-524
Tumminello, M#, Di Matteo, Tiziana*, Aste, Tomaso*, Mantegna, R N#	Correlation based networks of equity returns sampled at different time horizons	European Physical Journal B	55	209-217
Garlaschelli, Diego#, Di Matteo, Tiziana*, Aste, Tomaso*, Caldarelli , Guido#, Loffredo, Maria I#	Interplay between topology and dynamics in the World Trade Web	European Physical Journal B	57	159-164
Schroeder, Gerd*, Fogden, Andrew*, Hyde, Stephen*	Local v/a variations as a measure of structural packing frustration in bicontinuous mesophases, and geometric arguments for an alternating Im3m (I-WP) phase in block copolymers with polydispersity	European Physical Journal B	59	115-126
Bartolozzi, M#, Mellen, C#, Di Matteo, Tiziana*, Aste, Tomaso*	Multi-scale correlations in different futures markets	European Physical Journal B	58	207-220

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Di Matteo, Tiziana*, Aste, Tomaso*	Editorial – No Worries: Trends in Econophysics	European Physical Journal B	55	121-122
Linardakis, Peter*, Borg, Gerard*	Small-Signal Impedance of a Radio Frequency Plasma Capacitor	IEEE Microwave and Wireless Components Letters	17	763-765
Samoc, Anna*, Miniewicz, Andrzej*, Samoc, Marek*, Grote, James G#	Refractive Index Anisotropy and Optical Dispersion in Films of Deoxyribonucleic Acid (DNA)	Journal of Applied Polymer Science	105	236 - 245
Voinescu, Alina E#, Kellermeier, Matthias#, Carnerup, Anna*, Larsson, Ann-Kristin*, Touraud, Didier#, Hyde, Stephen*, Kunz, Werner#	Co-precipitation of silica and alkaline-earth carbonates using TEOS as silica source	Journal of Crystal Growth	306	152-158
Vos, Maarten*, Went, Michael*	Elastic electron scattering at high momentum transfer: A possible new analytic tool	Journal of Electron Spectroscopy and Related Phenomena	155	35-39
Cooper, G.#, Hitchcock, Adam Percival#, Chatzidimitriou-Dreismann, C#, Vos, Maarten*	Electron Compton scattering from methane and methane-d4	Journal of Electron Spectroscopy and Related Phenomena	155	28-34
Went, Michael*, Vos, Maarten*, Elliman, Robert*	Electron inelastic mean free path in solids as determined by electron Rutherford back-scattering	Journal of Electron Spectroscopy and Related Phenomena	156-158	387-392
Bellm, Susan*, Lower, Julian*, Kampp, Marco#, Whelan, C T#	The effect of target fine-structure on the measured spin asymmetries for the electron-impact ionization of Ar(2p)	Journal of Electron Spectroscopy and Related Phenomena	161	6-10
Alexander, Annabel*, Longdell, Jevon*, Sellars, Matthew*, Manson, Neil*	Coherent information storage with photon echoes produced by switching electric fields	Journal of Luminescence	127	94 - 97
Manson, Neil*, McMurtrie, Roger*	Issues concerning the nitrogen-vacancy center in diamond	Journal of Luminescence	127	98-103
Ruffell, Simon*, Bradby, Jodie*, Williams, James S*, Warren, O L#	An in situ electrical measurement technique via a conducting diamond tip for	Journal of Materials Research	22	578-586

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
	nanoindentation in silicon			
Fujisawa, Naoki*, Williams, James S*, Swain, Michael Vincent#	On the cyclic indentation behavior of crystalline silicon with a sharp tip	Journal of Materials Research	22	2992-2997
Fujisawa, Naoki*, Swain, Michael Vincent#	On the Indentation Contact Area of a Creeping Solid during Constant-Strain-Rate Loading by a Sharp Indenter	Journal of Materials Research	22	893-899
Zha, Congji*, Luo, Xinshi*, Wang, Rongping*, Luther-Davies, Barry*	Effects of TiO2 and ZrO2 on optical properties of organic-inorganic hybrid polymers and thin films	Journal of Materials Science	Materials in Electronics 18	S331-S334
Yu, Jun X*, Li, Chi*, Zou, Jin#, Chen, Ying*	Influence of nitriding gases on the growth of boron nitride nanotubes	Journal of Materials Science	42	4025-4030
Zha, Congji*, Wang, Rongping*, Smith, Anita*, Prasad, Amrita*, Jarvis, Ruth*, Luther-Davies, Barry*	Optical properties and structural correlations of GeAsSe Chalcogenide Glasses	Journal of Materials Science	18	S389-S392
Coleman, P G #, Harding, Ruth E#, Davies, G#, Tan, J#, Wong-Leung, Yin-Yin*	The formation, migration, agglomeration and annealing of vacancy-type defects in self-implanted Si	Journal of Materials Science	18	695-700
Wang, Rongping*, Zha, Congji*, Rode, Andrei V*, Madden, Steve*, Luther-Davies, Barry*	Thermal characterization of Ge-As-Se glasses by differential scanning calorimetry	Journal of Materials Science	18	S419 – S422
Wen, X#, Dao, Lap Van#, Davis, Jeff A#, Hannaford, Peter#, Mokkapati, Sudha*, Tan, Hoe H*, Jagadish, Chennupati*	Carrier dynamics in p-type InGaAs/GaAs quantum dots	Journal of Materials Science: Materials in Electronics	18	S363-S365
Fischer, Robert*, Neshev, Dragomir*, Lopez-Aguayo, Servando*, Desyatnikov, Anton S*, Sukhorukov, Andrey*, Krolikowski, Wieslaw*, Kivshar, Yuri S*	Light localization in azimuthally modulated Bessel photonic lattices	Journal of Materials Science: Materials in Electronics	007	

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Andersson, Erika#, Cresser, James D#, Hall, Michael*	Finding the Kraus Decomposition from a Master Equation and Vice Versa	Journal of Modern Optics	54	1695-1716
Choi, Duk-Yong*, Madden, Steve*, Wang, Rongping*, Rode, Andrei V*, Krolikowska, Maryla*, Luther-Davies, Barry*	Nano-phase separation of Arsenic Tri-sulphide (As_2S_3) film and its effect on Plasma Etching	Journal of Non-crystalline Solids	353	953-955
Wang, Rongping*, Rode, Andrei V*, Madden, Steve*, Zha, Congji*, Jarvis, Ruth*, Luther-Davies, Barry*	Structural relaxation and optical properties in amorphous Ge33 As12 Se55 films	Journal of Non-crystalline Solids	353	950 - 952
Jarvis, Ruth*, Wang, Rongping*, Rode, Andrei V*, Zha, Congji*, Luther-Davies, Barry*	Thin film deposition of Ge33As12 Se55 by pulsed laser deposition and thermal evaporation: comparison of properties	Journal of Non-crystalline Solids	353	947 - 949
Akhmediev, Nail*, Soto-Crespo, J.M.#, Grelu, Philippe#	Spatiotemporal optical solitons in nonlinear dissipative media: From stationary light bullets to pulsating complexes	Journal of Nonlinear Science	17	037112 -1-16
Bazhanov, Vladimir*, Mangazeev, Vladimir*	The Eight-Vertex Model and PainlevÃ© VI	Journal of Physics A: Mathematical and General	39	12235-12243
Ramdutt, Devien*, Charles, Christine*, Hudspeth, Jessica*, Ladewig, Bradley#, Gengenbach, Thomas#, Boswell, Rod*, Dicks, Andrew#, Brault, Pascal#	Low energy plasma treatment of Nafion membranes for PEM fuel cells	Journal of Power Sources	165	41-48
Brault, Pascal#, Caillard, Amael*, Coutanceau, Christophe#, Kadjo, A. J.-J#, Garnier, Jean Philippe#, Martemianov, Serguei#	Improvement of proton exchange membrane fuel cell electrical performance by optimization of operating parameters and electrodes preparation	Journal of Power Sources	165	613-622
David, Bruno#, Roberts, Richard#, Magee, John*, Mialanes, Jerome#, Turney, Christian#, Bird, Michael#, White, Chris#, Fifield, L Keith*, Tibby, John#	Sediment mixing at Nonda Rock: investigations of stratigraphic integrity at an early archaeological site in northern Australia and implications for the human colonisation of the continent	Journal of Quaternary Science	22	449-479

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Smith, J#, Rey, Guillaume#, Dickens, Paul#, Fletcher, N H*, Hollenberg, Lloyd#, Wolfe, Joe#	Vocal tract resonances and the sound of the Australian didjeridu (yidaki). III. Determinants of playing quality	Journal of the Acoustical Society of America	121	547-558
Wang, Rongping*, Rode, Andrei V*, Madden, Steve*, Luther-Davies, Barry*	Physical Aging of Arsenic Trisulfide Thick Films and Bulk Materials	Journal of the American Ceramic Society	90	1269-1271
Moreira, Livia A#, Bostrom, Mathias Anders#, Ninham, Barry*, Biscaia, Evaristo C#, Tavares, Frederico W#	Effect of the Ion-Protein Dispersion Interactions on the Protein-Surface and Protein-Protein Interactions	Journal of the Brazilian Chemical Society	18	223-230
Tomljenovic-Hanic, Snjezana*, Bulla, Douglas A P*, Ankiewicz, Adrian*, Love, John*, Bailey, Ron#	Multiple-cladding fibers with reduced bend loss	Journal of the Optical Society of America A	24	1172 - 1176
Kim, Yong#, Song, Man Suk#, Kim, Young Dae#, Jung, Jae Hun#, Gao, Qiang*, Tan, Hoe H*, Jagadish, Chennupati*	Epitaxial Germanium Nanowires on GaAs Grown by Chemical Vapor Deposition	Journal of the Korean Physical Society	51	120-124
Dewar, Robert*, Nuehrnberg, Carolin#, Tatsuno, Tomoya#, McMillan, B#, Kenny, Brian*	Quantum Chaos? Genericity and Nongenericity in the MHD Spectrum of Nonaxisymmetric Toroidal Plasmas	Journal of the Korean Physical Society	50	112-117
Batchelor, Murray T*, Guan, Xi-Wen*	Fermionization and Fractional Statistics in the Strongly Interacting One-Dimensional Bose Gas	Laser Physics Letters	4	77-83
Monat, Christelle#, Grillet, Christian#, Domachuk, P.#, Smith, C. #, Magi, E#, Moss, D J#, Nguyen, H#, Tomljenovic-Hanic, Snjezana#, Cronin-galomb, M.#, Eggleton, Benjamin J#, Freeman, Darren*, Madden, Steve*, Luther-Davies, Barry*, Mutzenich, Simon#, Ro	Frontiers in microphotonics:tunability and all-optical control	Laser Physics Letters	4	177 - 186
Callaghan, Paul T#, Arns, Christoph H*, Galvosas, Petrik#, Hunter, Mark W#, Qiao, Ying#, Washburn, Kate#	Recent Fourier and Laplace perspectives for multidimensional NMR in porous media	Magnetic Resonance Imaging	25	441-444

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Lewis, Brenton*, Lefebvre-Brion, H#	Comparison between predissociation mechanisms in two isoelectronic molecules: CO and N₂	Molecular Physics	105	1625-1630
Vieitez, M.Ofelia#, Ivanov, T.I.#, Sprengers, J P#, de Lange, C.A.#, Ubachs, Wim#, Lewis, Brenton*, Stark, Glenn#	Quantum-interference effects in the $o^1\Pi_u(v=1)\sim b^1\Pi_u(v=9)$ Rydberg-valence complex of molecular nitrogen	Molecular Physics	105	1543-1557
Hussain, Zohair*, Wesch, Werner#, Wendler, E#, Ridgway, Mark C*	Amorphous phase formation in ion implanted $In_xGa_{1-x}As$	Nuclear Instruments and Methods in Physics Research A	257	344-347
Habchi, C#, Nguyen, D. T.#, Deves, G#, Incerti, S#, Lemelle, Laurence#, Le Van Vang, P#, Moretto, Ph#, Ortega, R#, Seznec, H#, Sakellariou, Arthur*, Sergeant, C#, Simionovici , Alexandre#, Ynsa, M.D.#, Gontier , E#, Heiss , M#, Pouthier , T#, Boudou , A#	Three-dimensional densitometry imaging of diatom cells using STIM tomography	Nuclear Instruments and Methods in Physics Research A	249	653-659
Chen, Hua*, Chen, Ying*, Liu, Yun*, Xu, Chao-Nan#, Williams, James S*	Light emission and excitonic effect of boron nitride nanotubes observed by photoluminescent spectra	Optical Materials	29	1295-1298
Matthews, Aaron*, Morrison, Steven*, Kivshar, Yuri S*	Self-collimation and beam splitting in low-index photonic crystals	Optics Communications	279	313-319
Elliman, Robert*, Spooner, M G*, Dall (nee Weijers), Tessica*, Kim, Tae-Hyun*, Fletcher, N H*	Oscillating cracks in glassy films on silicon substrates	Philosophical Magazine	87	4893-4906
Liu, Ruipeng*, Di Matteo, Tiziana*, Lux, Thomas#	True and apparent Scaling: The proximity of the Markov-switching multifractal model to long-range dependence	Physica A	383	35-42
Wyller, John#, Krolikowski, Wieslaw*, Bang, Ole#, Petersen, Dan E#, Rasmussen, Jens Juul#	Modulational instability in the nonlocal X⁽²⁾ -model	Physica D	227	8 - 25

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Blinc, R#, Arcon, D#, Umek, P.#, Apih, T#, Milia, F#, Rode, Andrei V*	Carbon nanofoam as a potential hydrogen storage material	Physica Status Solidi. B: Basic Research	244	4308 - 4310
Lobanov, Nikolai*, Weisser, David*	Rotary and displacement tuners for multistub cavities	Physical review Special Topics: Accelerators and Beams	10	6
Chang, Wonkeun*, Ankiewicz, Adrian*, Akhmediev, Nail*	Creeping solitons of the complex Ginzburg-Landau equation with a low-dimensional dynamical system model	Physics Letters A	362	31-36
Vicencio, Rodrigo#, Flach, Sergej#, Molina, Mario I#, Kivshar, Yuri S*	Discrete surface solitons in two-dimensional anisotropic photonic lattices	Physics Letters A	364	274-276
Ankiewicz, Adrian*, Devine, Natasha*, Akhmediev, Nail*, Soto-Crespo, Jose M#	Dissipative Solitons and Antisolitons	Physics Letters A	370	454-458
Molina, Mario I#, Kivshar, Yuri S*	Interface localized modes and hybrid lattice solitons in waveguide arrays	Physics Letters A	362	280-282
Desyatnikov, Anton S*, Mihalache, Dumitru#, Mazilu, Dumitru#, Malomed, Boris A#, Lederer, Falk#	Stable counter-rotating vortex pairs in saturable media	Physics Letters A	364	231-234
Akhmediev, Nail*, Soto-Crespo, Jose M#, Grelu, Philippe#	Vibrating and Shaking Soliton Pairs in Dissipative Systems	Physics Letters A	364	413-416
Notley, Shannon*, Turk, R#, Pickering, R#, Simpson, D M#, Burridge, J H#	Analysis of the quality of wrist movement during a simple tracking task	PHYSIOLOGICAL MEASUREMENT	28	881-895
Mills, Franklin (Frank)*, Allen, M#	A review of selected issues concerning the chemistry in Venus' middle atmosphere	Planetary and Space Science	55	1729-1740
Powell, Clem*, Cifuentes, Marie*, Humphrey, Mark*, Willis, Anthony*, Morrall, Joseph*, Samoc, Marek*	Organometallic complexes for nonlinear optics. 37: Synthesis and third-order nonlinear optical properties of a hexarutheniumtriplatinum dendrimer	Polyhedron	26	284-289
Hogg, Alan G#, Fifield, L Keith*, Palmer, Jonathan G#, Turney, Christian#, Galbraith, Rex#	Robust radiocarbon dating of wood samples by high-sensitivity liquid scintillation spectroscopy in the 50-70 Kyr age	Radiocarbon	49	379-391

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
	range			
Turney, Christian#, Fifield, L Keith*, Palmer, Jonathan G#, Hogg, Alan G#, Baillie, Mike G K#, Galbraith, Rex#, Ogden, John#, Lorrey, Andrew#, Tims, Stephen*	Towards a Radiocarbon Calibration for Oxygen Istotope Stage 3 Using New Zealand Kauri (*Agathis australis*)	Radiocarbon	49	447-457
Dedman, Colin J*, Dall, Robert*, Byron, Lesa*, Truscott, Andrew*	Active cancellation of stray magnetic fields in a Bose-Einstein condensation experiment	Review of Scientific Instruments	78	024703-6
Lower, Julian*, Panajotovic, Radmila*, Bellm, Susan*, Weigold, Erich*	An improved double-toroidal spectrometer for gas phase (e,2e) studies	Review of Scientific Instruments	78	111301 1-20
Kumar , Santhosh*, Blackwell, Boyd*, Harris, Jeffrey*	Wire tomography in the H-1NF heliac for investigation of fine structure of magnetic islands	Review of Scientific Instruments	78	013501-013508
Gareso, P#, Buda, Manuela*, Fu, Lan*, Tan, Hoe H*, Jagadish, Chennupati*	Influence of SiO2 and TiO2 dielectric layers on the atomic intermixing of InxGa1-xAs/InP quantum well structures	Semiconductor Science and Technology	22	988-992
Li, Wei T*, Bulla, Douglas A P*, Boswell, Rod*	Surface oxidation of Al masks for deep dry-etch of silica optical waveguides	Surface and Coatings Technology	201	4979-4983
Went, Michael*, Vos, Maarten*	Electron Rutherford back-scattering case study: oxidation and ion implantation of aluminium foil	Surface and Interface Analysis	39	871-876
Vos, Maarten*, Went, Michael*	Experimental confirmation of the EPES sampling depth paradox for overlayer/substrate systems	Surface Science	601	1536-1543
Vos, Maarten*, Went, Michael*	Metal interface formation studied by high-energy reflection energy loss spectroscopy and electron Rutherford backscattering	Surface Science	601	4862-4872

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Werner, Wolfgang#, Went, Michael*, Vos, Maarten*	Surface plasmon excitation at a AU surface by 150-40,000 eV electrons	Surface Science	601	L109-L113
Mahmud, Walid Mohamed#, Arns, J*, Sheppard, Adrian P*, Knackstedt, Mark*, Pinczewski, Wolf Val#	Effect of network topology on two-phase imbibition relative permeability	Transport in Porous Media	66	481-493
		IMPACT FACTOR <1		
Fletcher, N H*	Anomalous Solutions to Simple Wave Equations	Acoustics Australia	35	41-43
Fletcher, N H*	Gravitational Oscillators: Bouncing Balls, Rocking Beams, and Spinning Discs	Acoustics Australia	35	87-90
Maier, K H#, Kibedi, Tibor*, Boutachkov, P.#	Shell Model Proton Neutron Hole Interaction from the Properties of ^{208}Bi	Acta Physica Polonica Series B	38	1375-1380
Stewart, Andrew*	On an Identity for the Volume Integral of the Square of a Vector Field	American Journal of Physics	75	561-564
White, Ronald Douglas#, Dujko, S#, Ness, Kevin F#, Robson, Robert*, Raspopovic, Z#, Petrovic, Z Lj#	Time-dependent multi-term solution of Boltzmannâ ™s equation for magnetised low temperature plasmas	ANZIAM Journal	48	C50-C68
Voltaire, Joakim#, Batchelor, Warren#, Fogden, Andrew*, Sudarno, Afriana#, Banham, Paul#	New technique for monitoring ink-water balance on an offset press	Appita Journal	60	120-128
Lamont, M R E#, Ta'eed, Vahid G#, Roelens, M.#, Moss, D J#, Eggleton, Benjamin J#, Choi, Duk-Yong*, Madden, Steve*, Luther-Davies, Barry*	Error-free wavelength conversion via cross-phase modulation in 4cm of As₂S₃ chalcogenide glass rib waveguide	Electronic Letters	43	945 - 947
Li, Wei T*, Boswell, Rod*, Samoc, Marek*, Samoc, Anna*, Qin, Qing Hua*	Optical nonlinearity of oxygen-rich SiO_x thin films	Electronics Letters	43	235-237
Kibler, B#, Fischer, Robert*, Lacourt, P.-A.#, Courvoisier, F#, Ferriere, R#, Larger, L#, Neshev,	Optimised one-step compression of femtosecond fibre laser soliton pulses around 1550nm to below 35 fs	Electronics Letters	43	915-916

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Dragomir*, Dudley, JM#	in highly nonlinear fibre			
Grahn, T.#, Dewald, A#, Moller, O.#, Julin, Rauno Juhani#, Beausang, C.#, Christen, S#, Darby, I G #, Eeckhaudt, S.#, Greenlees, P.T.#, Gorgen, A#, Helariutta, K#, Jolie, J#, Kettunen, H#, Kroll, T#, Krucken, R.#, Jones, P#, Juutinen, S#, Le Coz, Y#, Lein	Collectivity in neutron-deficient Pb and Po nuclei	European Physical Journal - Special Topics	150	121-122
Stuchbery, Andrew *, Mantica, P F#	Nuclear structure of neutron-rich nuclei near closed shells from excited-state *g*-factor measurements	European Physical Journal - Special Topics	150	177-182
Tostevin, Jeffrey*	Reaction spectroscopy at fragmentation beam energies - recent advances in studies of two-nucleon removal	European Physical Journal - Special Topics	150	67-70
Aste, Tomaso*, Di Matteo, Tiziana*, Saadatfar, Mohammad*, Senden, Timothy *, Schroter, Matthias#, Swinney, Harry Leonard#	An invariant distribution in static granular media	Europhysics Letters	79	24003
Nagasaki, Kazunobu #, Suzuki, Y#, Okada, H#, Kobayashi, S#, Blackwell, Boyd*	Observation of magnetohydrodynamic instabilities in Heliotron J plasmas	Fusion Science and Technology	51	92-96
Matsik, S G#, Rinzan, MBM#, Perera, AGU#, Tan, Hoe H*, Jagadish, Chennupati*, Liu, H. C.#	Effects of p-n junction on heterojunction far infrared detectors	Infrared Physics and Technology	50	274-278
Das, M P*, Thakur, Jagdish S#	Superconducting Order Parameters in the Extended Hubbard Model: A Simple Mean-Field Study	International Journal of Modern Physics B	21	2371-2383
Neshev, Dragomir*, Sukhorukov, Andrey*, Krolikowski, Wieslaw*, Kivshar, Yuri S*	Nonlinear optics and light localization in periodic photonic lattices	Journal of Nonlinear Optical Physics and Materials	16	1--25
Zha, Congji*, Smith, Anita*, Prasad, Amrita*, Wang, Rongping*, Madden, Steve*, Luther-	Properties and structure of Ag-doped As2Se3 glasses	Journal of Nonlinear Optical Physics and Materials	16	49 - 57

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Davies, Barry*				
Ruffell, Simon*, Simpson, Peter J#, Knights, A P#	The effect of the annealing ramp rate on the formation of voids in silicon	Journal of Physics: Condensed Matter	19	466202 /1-6
Wen, XiaoMing#, Dao, Lap Van#, Hannaford, Peter#, Mokkapati, Sudha*, Tan, Hoe H*, Jagadish, Chennupati*	The state filling effect in p-doped InGaAs/GaAs quantum dots	Journal of Physics: Condensed Matter	19	386213/ 1-10
Das, M P*	Correlated Electrons - Preface	Journal of Physics: Condensed Matter	19	120302
Kheifets, Anatoli*, Ivanov, Igor*, Bray, Igor#	Convergent close coupling calculations of two-photon double ionization of He	Journal of Physics: Conference Series	88	012051 1-8
Maddern, T#, Hargreaves, L.R.#, Buckman, Stephen J*, Brunger, Michael J#	Progress towards the measurement of absolute elastic electron-molecular radical scattering cross sections	Journal of Physics: Conference Series	86	012005 1-6
White, Ronald Douglas#, Robson, Robert*, Morrison, Michael A#, Li, Bo#, Ness, Kevin F#	The v=0 1 vibrational cross section for e-H2 scattering: An unresolved problem with wide implications	Journal of Physics: Conference Series	71	1-12
Madsen, Nathan*, Gamaly, Eugene G*, Rode, Andrei V*, Luther-Davies, Barry*	Cluster formation through the action of a single picosecond laser pulse	Journal of Physics: Conference Series (8th International Conference on Laser Ablation)	59	762-768
Gamaly, Eugene G*, Luther-Davies, Barry*, Rode, Andrei V*, Juodkazis, Saulius#, Misawa, Hiroaki#, Hallo, Ludovic#, Nicolai, Philippe#, Tikhonchuk, Vladimir T#	Laser matter interaction in the bulk of transparent dielectrics: Confined micro-explosion	Journal of Physics: Conference Series (8th International Conference on Laser Ablation)	59	5-10
Dogra, Rakesh*, Hussain, Zohair*, Sharma, A K#	Characterization of radiation damage annealing of recoil-implanted GaP	Materials Characterization	58	652-657
Boschetto, David#, Gamaly, Eugene G*, Rode, Andrei V*, Garl, T.#	Excitation of Coherent Phonons in Crystalline B: theory for driving atomic vibrations by femtosecond pulses	Materials Research Society Symposium Proceedings	1016	CC06-03 1-7

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Juodkazis, Saulius#, Rode, Andrei V*, Kondo, Toshiaki#, Misawa, Hiroaki#, Samoc, Marek*, Luther-Davies, Barry*	Femtosecond Laser Structuring of As2S3 Glass for Erasable and Permanent Optical Memory	Materials Research Society Symposium Proceedings	997	105-05 1-6
Rode, Andrei V*, Arcon, D#, Zorko, A#, Jaglicic, Z#, Christy, Andrew*, Madsen, Nathan*, Luther-Davies, Barry*, Lau, D W M#, McCulloch, D G#	Positive magnetism in Carbon Nanoclusters produced by high-repetition Rate-Laser Ablation	Materials Research Society Symposium Proceedings	998	J03-05
Sakellariou, Arthur*, Arns, Christoph H*, Sheppard, Adrian P*, Sok, Robert*, Averdunk, Holger*, Limaye, Ajay*, Jones, Anthony Carl*, Senden, Timothy *, Knackstedt, Mark*	Developing a virtual materials laboratory	Materials Today	10	44-51
Hargreaves, L.R.#, Francis-Staite, J.R.#, Maddern, T#, Brunger, Michael J#, Buckman, Stephen J*	A new normalization method for electron collision cross sections measured using skimmed supersonic jet beams	Measurement Science and Technology	18	2783-2790
Rao, Rui*, Bradby, Jodie*, Ruffell, Simon*, Williams, James S*	Nanoindentation-induced phase transformation in crystalline silicon and relaxed amorphous silicon	Microelectronics Journal	38	722-726
Chen, Yong*, Fu, Lan*, Chen, Ying*, Zou, Jin#, Li, Jianbao#, Duan, W H#	Tunable Electric Conductivities of Au-Doped Boron Nitride Nanotubes	NANO	2	1-6
Kivshar, Yuri S*	Optical switching: Capillary action	Nature Photonics	1	143-144
Voltaire, Joakim#, Mattila, Ulla #, Fogden, Andrew*, Nieminen, Susanna #	Acoustic characterisation of film splitting in a HSWO printing nip	Nordic Pulp and Paper Research Journal	22	424-31
Voltaire, Joakim#, Gujjari , Chamundi #, Batchelor, Warren#, Fogden, Andrew*	Acoustic emission and tack of heat-set inks during setting on MWC-papers and fountain solution emulsification	Nordic Pulp and Paper Research Journal	22	432-440
Voltaire, Joakim#, Fogden, Andrew*, Craig, Vincent*, Jansson, Daniel#, Jacobsson, Niclas#	Acoustic investigation of cavitation noise from offset ink film splitting	Nordic Pulp and Paper Research Journal	21	314-323

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Rentzhog, Maria#, Fogden, Andrew*	Effect of corona treatment of PE-coated board on water-based flexographic print resistance	Nordic Pulp and Paper Research Journal	21	202-210
Fifield, L Keith*, Tims, Stephen*, Gladkis, Laura*, Morton, Clyde*	^{26}Al measurements with ^{10}Be counting statistics	Nuclear Instruments and Methods in Physics Research B	259	178-183
Wilcken, Klaus*, Barrows, Timothy T*, Fifield, L Keith*, Tims, Stephen*, Steier, P#	AMS of natural ²³⁶U and ²³⁹Pu produced in uranium ores	Nuclear Instruments and Methods in Physics Research B	259	727-732
Schnohr, Claudia*, Kluth, Patrick*, Byrne, Aidan*, Foran, Garry J#, Ridgway, Mark C*	EXAFS study of the amorphous phase of InP after swift heavy ion irradiation	Nuclear Instruments and Methods in Physics Research B	257	293-296
Kluth, Patrick*, Hoy, Ben*, Johannessen, Bernt*, Dunn, Shane*, Foran, Garry J#, Ridgway, Mark C*	Formation and characterization of nanoparticles formed by sequential ion implantation of Au and Co into SiO2	Nuclear Instruments and Methods in Physics Research B	257	80-84
Sathish, N#, Dhamodaran, S#, Pathak, AP#, Krishna, Ghanashyam#, Khan, SA#, Avasthi, DK#, Pandey, A#, Muralidharan, R#, Jagadish, Chennupati*, Li, G#	HRXRD, AFM and optical study of damage created by swift heavy ion irradiation in GaN epitaxial layers	Nuclear Instruments and Methods in Physics Research B	256	281-287
Winkler, Stephan*, Fifield, L Keith*, Tims, Stephen*, Morton, Clyde*	Improving the detection limit for ^{182}Hf	Nuclear Instruments and Methods in Physics Research B	259	256-259
Schnabel, C#, Reinhardt, L#, Barrows, Timothy T*, Bishop, P.#, Davidson, A#, Fifield, L Keith*, Freeman, S#, Kim, J.Y.#, Maden, C#, Xu, S#	Inter-comparison in ^{10}Be analysis starting from pre-purified quartz	Nuclear Instruments and Methods in Physics Research B	259	571-575
Winkler, Stephan*, Fifield, L Keith*, Tims, Stephen*, Fernandez Niello, J O#	L-X-ray production cross-sections for PXAMS: Target and energy dependence for 50-200 MeV hafnium ions	Nuclear Instruments and Methods in Physics Research B	259	260-264

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Gladkis, Laura*, Fifield, L Keith*, Morton, Clyde*, Barrows, Timothy T*, Tims, Stephen*	Manganese-53: Development of the AMS technique for exposure-age dating applications	Nuclear Instruments and Methods in Physics Research B	259	236-240
Johannessen, Bernt*, Kluth, Patrick*, Giulian, Raquel*, Araujo, Leandro*, Llewellyn, David*, Foran, Garry J#, Cookson, D J#, Ridgway, Mark C*	Modification of embedded Cu nanoparticles: Ion irradiation at room temperature	Nuclear Instruments and Methods in Physics Research B	257	37-41
Elliman, Robert*, Dall (nee Weijers), Tessica*, Spooner, M G*, Kim, Tae-Hyun*, Wilkinson, Andrew*, Huth, S*, Tobias, V*	Novel crack propagation in PECVD-deposited dielectric thin films	Nuclear Instruments and Methods in Physics Research B	257	554-557
Dogra, Rakesh*, Byrne, Aidan*, Araujo, Leandro*, Ridgway, Mark C*	Room temperature relaxation of irradiated InP, GaAs and InAs characterized with the perturbed angular correlation technique	Nuclear Instruments and Methods in Physics Research B	257	355-358
Araujo, Leandro*, Kluth, Patrick*, Azevedo, G de M#, Ridgway, Mark C*	Short-range thermal and structural properties of Ge nanocrystals	Nuclear Instruments and Methods in Physics Research B	257	56-59
Sundaresan, Siddarth G#, Tian, Yong-lai#, Ridgway, Mark C*, Mahadik, Nadeemullah A#, Qadri, S B#, Rao, Mulpuri V#	Solid-state microwave annealing of ion-implanted 4H-SiC	Nuclear Instruments and Methods in Physics Research B	261	616-619
Giulian, Raquel*, Kluth, Patrick*, Johannessen, Bernt*, Araujo, Leandro*, Llewellyn, David*, Cookson, D J#, Ridgway, Mark C*	Synthesis and characterization of ion-implanted Pt nanocrystals in SiO_2	Nuclear Instruments and Methods in Physics Research B	257	33-36
Raghuveerasamy, Lakshmanasamy*, Hatt, Stephanie*, Kluth, Patrick*, Kluth, Susan*, Dogra, Rakesh*, Ridgway, Mark C*	Variation of ion-irradiation induced strain as a function of ion fluence in Si	Nuclear Instruments and Methods in Physics Research B	257	236-239
Elliman, Robert*, Forcales, Manuel*, Wilkinson, Andrew*, Smith, Nathanael*	Waveguiding properties of Er-implanted silicon-rich oxides	Nuclear Instruments and Methods in Physics Research B	257	11-14
Ankiewicz, Adrian*, Akhmediev, Nail*, Devine, Natasha*	Dissipative Solitons with a Lagrangian Approach	Optical Fiber Technology	13	91-97

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Fischer, Robert*, Neshev, Dragomir*, Sukhorukov, Andrey*, Saltiel, Solomon*, Krolikowski, Wieslaw*, Kivshar, Yuri S*	Managing Light in Nonlinear Disordered Media	Optics and Photonics News	18	30
Sukhorukov, Andrey*, Neshev, Dragomir*, Dreischuh, Alexander*, Fischer, Robert*, Ha , Sangwoo *, Bolger, J#, Bui, Lam#, Krolikowski, Wieslaw*, Eggleton, Benjamin J#, Mitchell, Arnan#, Austin, Michael W.#, Kivshar, Yuri S*	Trapped Supercontinuum and Multi-color Gap Solitons	Optics and Photonics News	18	41
Arns, Christoph H*, Washburn, Kate#, Callaghan, Paul T#	Multidimensional NMR inverse Laplace Spectroscopy in petrophysics	Petrophysics	48	380-392
Arns, Christoph H*, Sheppard, Adrian P*, Sok, Robert*, Knackstedt, Mark*	NMR petrophysical predictions on digitized core images	Petrophysics	48	202
Eggleton, Benjamin J#, Ta'eed, Vahid G#, Luther-Davies, Barry*	Chalcogenide glass advanced for all-optical processing	Photonics Spectra	41	88-90
Smith, C. #, Grillet, Christian#, Tomljenovic-Hanic, Snjezana#, Magi, E#, Moss, D J#, Eggleton, Benjamin J#, Freeman, Darren*, Madden, Steve*, Luther-Davies, Barry*	Characterisation of chalcogenide 2D photonic crystal waveguides and nanocavities using silica fibre nanowires	Physica B	394	289 - 292
Shadrivov, Ilya*, Alexander N, Reznik#, Kivshar, Yuri S*	Magnetoinductive waves in arrays of split-ring resonators	Physica B	394	180-183
Orbons, Shannon#, Freeman, Darren*, Luther-Davies, Barry*, Gibson, Brant Cameron#, Huntington, Shane T#, Jamieson, David Norman#, Roberts, Ann#	Optical properties of silver composite metamaterials	Physica B	394	176-179
Buccoliero, Daniel*, Lopez-Aguayo, Servando*, Skupin, Stephan*, Desyatnikov, Anton S*, Bang, Ole#, Krolikowski, Wieslaw*, Kivshar, Yuri S*	Spiraling solitons and multipole localized modes in nonlocal nonlinear media	Physica B	394	351-356

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Humphrey, Mark*, Cifuentes, Marie*, Samoc, Marek*	Alkynylruthenium dendrimers: syntheses and multiphoton absorption	Polymer preprints	48	525-526
Bache, M.#, Bang, Ole#, Moses, J.#, Wise, F. W.#, Krolikowski, Wieslaw*	Accurate nonlocal theory for cascaded quadratic soliton compression	Proceedings of SPIE	6801	680109-1
Saltiel, Solomon*, Neshev, Dragomir*, Krolikowski, Wieslaw*, Fischer, Robert*, Arie, Ady#, Kivshar, Yuri S*	Generation of conical second harmonic waves by nonlienar Bragg diffraction in two-dimensional nonlinear photonic structures	Proceedings of SPIE	6801	680113 1-8
Madden, Steve*, Zhang, Yang*, Luther-Davies, Barry*, Charters, Robbie#	Patterning of inorganic polymer glass waveguiding films by dry etching	Proceedings of SPIE	6801	680107-1
Fischer, Robert*, Neshev, Dragomir*, Saltiel, Solomon*, Sukhorukov, Andrey*, Krolikowski, Wieslaw*, Arie, Ady#, Kivshar, Yuri S*	Pulse monitoring based on transverse SHG in periodic and disordered media	Proceedings of SPIE	6801	680110 1-9
Mizeikis, Vyngantas#, Juodkazis, Saulius#, Sudzius, Markas#, Misawa, Hiroaki#, Gamaly, Eugene G*, Rode, Andrei V*, Krolikowski, Wieslaw*, Kitamura, Kenji#	Reversible photomodification of $LiNbO_3$ and $LiTaO_3$ by femtosecond laser pulses	Proceedings of SPIE	6801	680106 1-11
Samoc, Marek*, Samoc, Anna*, Dalton, Gulliver*, Cifuentes, Marie*, Humphrey, Mark*, Fleitz, Paul A.#	Dispersion of the complex cubic nonlinearity in two-photon absorbing organic and organometallic chromophores	Proceedings of SPIE - Progress in Biomedical Optics and Imaging	6801	680110 1-6
Bennet, Francis*, Rosberg, Christian*, Neshev, Dragomir*, Krolikowski, Wieslaw*, Kivshar, Yuri S*, Rasmussen, Per Dalgaard#, Bang, Ole#, Bjarklev, Anders#	Temporal nonlinear beam dynamics in infiltrated photonics crystal fibres	Proceedings of SPIE - Progress in Biomedical Optics and Imaging	6801	I1-11
Di Matteo, Tiziana*	Multi-scaling in Finance	Quantitative Finance	7	21-36

AUTHORS	PUBLICATION	JOURNAL NAME	VOL	PAGES
Kluth, Patrick*, Johannessen, Bernt*, Giulian, Raquel*, Schnohr, Claudia*, Foran, Garry J#, Cookson, D J#, Byrne, Aidan*, Ridgway, Mark C*	Ion irradiation effects on metallic nanocrystals	Radiation Effects and Defects in Solids	162	501-513
Benet, L#, Bienert, M#, Kun, Sergey*	Thermalized non-equilibrated matter and high temperature superconducting state in quantum many-body systems	Radiation Effects and Defects in Solids	162	605-612
Mangazeev, Vladimir*	An Analytic Formula for the A_2 Jack Polynomials	Symmetry, Integrability and Geometry: Methods and Applications	3	014(1-11)
Wilson, K*, Kueter, Nyree*, Dennis, Graham*, Nulsen, Alix#, Verdon, Matthew#	Addressing gender disparity in the Physics National Qualifying exam for the Australian Science Olympiads	Teaching Science	53	
Kivshar, Yuri S*, Molina, Mario I#	Nonlinear surface modes and Tamm states in periodic photonic structures	Wave Motion	45	59-67

Books/Book Chapters

AUTHORS	PUBLICATION	NAME OF BOOK (alpha)	PAGES
Dasgupta, Mahananda*, Tims, Stephen*	Unstable Atoms as Detectives	Ecoscience: The 34th Professor Harry Messel International Science School	71-83
Mills, Franklin (Frank)*, Esposito, Larry W.#, Yung, Yuk L#	Atmospheric Composition, Chemistry, and Clouds	Exploring Venus as a Terrestrial Planet	73-100
Guillot, Samuel#, Yaghmur, Anan#, De Campo, Liliana*, Salentinig, Stefen#, Sagalowicz, Laurent#, Leser, Martin E#, Michel, Martin#, Watzke, Heribert J#, Glatter, Otto#	Self-assembled liquid particles: How to modulate their internal structure	Food Colloids: Self-Assembly and Material Science	

AUTHORS	PUBLICATION	NAME OF BOOK (alpha)	PAGES
Ball, Rowena*	Distilled Turbulence. A Reduced Model for Confirnement Transitions in Magnetic Fusion Plasmas	Frontiers in Turbulence and Coherent Structures: proceedings of the COSNet/CSIRO Workshop on Turbulence and Coherent Structures in Fluids, Plasmas and Nonlinear Media	395-414
Ball, Rowena*, Holmes, Philip#	Dynamical Systems, Stability, and Chaos	Frontiers in Turbulence and Coherent Structures: proceedings of the COSNet/CSIRO Workshop on Turbulence and Coherent Structures in Fluids, Plasmas and Nonlinear Media	1-28
Zidikheri, Meelis*, Frederiksen, Jorgen Segerlund#, O'Kane, T.J.#	Multiple Equilibria and Atmospheric Blocking	Frontiers in Turbulence and Coherent Structures: proceedings of the COSNet/CSIRO Workshop on Turbulence and Coherent Structures in Fluids, Plasmas and Nonlinear Media	59-86
Numata, Ryusuke*, Ball, Rowena*, Dewar, Robert*	Nonlinear Simulation of Drift Wave Turbulence	Frontiers in Turbulence and Coherent Structures: proceedings of the COSNet/CSIRO Workshop on Turbulence and Coherent Structures in Fluids, Plasmas and Nonlinear Media	431-442
Xia, Hua*, Shats, Michael*	Spectural transfer analysis in plasma	Frontiers in Turbulence and Coherent Structures: proceedings of the COSNet/CSIRO Workshop on Turbulence and Coherent Structures in Fluids, Plasmas and Nonlinear Media	pp.457-470
Dewar, Robert*, Abdullatif, R*	Zonal Flow Generation by Modulational Instabiity	Frontiers in Turbulence and Coherent Structures: proceedings of the COSNet/CSIRO Workshop on Turbulence and Coherent Structures in Fluids, Plasmas and Nonlinear Media	415-430
Anikeenko, A V#, Medvedev, N.N.#, Di Matteo, Tiziana*, Delaney, Gareth*, Aste, Tomaso*	Delaunay simplex analysis of the structure of equal sized spheres	Granular and Complex Materials volume 8	
Delaney, Gareth*, Inagaki, S#, Aste, Tomaso*	Fine Tuning DEM simulations to perform virtual experiments with three-dimensional granular packings	Granular and Complex Materials volume 8	260

AUTHORS	PUBLICATION	NAME OF BOOK (alpha)	PAGES
Weaire, Denis Lawrence#, Langlois, V#, Saadatfar, Mohammad*, Hutzler, Stefan#	Foam as granular matter	Granular and Complex Materials volume 8	1-26
Aste, Tomaso*, Tordesillas, A#, Di Matteo, Tiziana*	The Science of Complex Materials Preface	Granular and Complex Materials volume 8	vii-xi
Samoc, Marek*, Samoc, Anna*, Miniewicz, Andrzej*, Markowicz, Przemyslaw#, Prasad, Paras N#, Grote, James G#	Cubic nonlinear optical effects in deoxyribonucleic acid (DNA) based materials containing chromophores	Nanobiotronics : Proceedings of SPIE Volume: 6646	66460A (10 pages)
Samoc, Anna*, Galewski, Zbigniew#, Samoc, Marek*, Grote, James G#	Prism coupler and microscopic investigations of DNA films	Nanobiotronics : Proceedings of SPIE Volume: 6646	664607/1-9
Lower, Julian*, Baxendell, Jane*, Bellm, Susan*	(e,2e) measurements in the molecular frame	Nanoscale Interactions and Their Applications: Essays in Honour of Ian McCarthy	95-106
McEachran, Robert*, Buckman, Stephen J*, Cho, H.#	Absorption effects in intermediate energy electron and positron scattering from atoms	Nanoscale Interactions and Their Applications: Essays in Honour of Ian McCarthy	27-35
Lewis, Brenton*, Gibson, Stephen*, Heays, Alan*	Coupled channels and planetary atmospheres	Nanoscale Interactions and Their Applications: Essays in Honour of Ian McCarthy	79-93
Vos, Maarten*	Electron momentum spectroscopy of crystals: From dream to reality	Nanoscale Interactions and Their Applications: Essays in Honour of Ian McCarthy	147-156
Ninham, Barry*	The Present State of Molecular Forces	Progress in Colloid and Polymer Science	65-73
Fletcher, N H*	Animal Bioacoustics	Springer Handbook of Acoustics	785-804

AUTHORS	PUBLICATION	NAME OF BOOK (alpha)	PAGES
Christen, Jurgen#, Jagadish, Chennupati*, Look, David C#, Yao, Takafumi#, Bertram, Frank#	Zinc Oxide and Related Materials	Zinc Oxide and Related Materials (Volume 957)	
Coleman, Victoria A*, Bradby, Jodie*, Jagadish, Chennupati*, Phillips, Matthew R#	A Comparison of the Mechanical properties and the impact of contact induced damage in a- and c-Axis ZnO Single crystals	Zinc Oxide and Related Materials (Volume 957)	213-218

Conference Papers (refereed)

AUTHORS	PUBLICATION	CONFERENCE (alpha)	PAGES
Kluth, Patrick*, Johannessen, Bernt*, Araujo, Leandro*, Ridgway, Mark C*	Vibrational Properties of Au and Cu Nanocrystals Formed by Ion Implantation	13th International Conference on X-ray Absorption Fine Structure (XAFS 13)	731-732
Juodkazis, Saulius#, Misawa, Hiroaki#, Gamaly, Eugene G*, Luther-Davies, Barry*, Rode, Andrei V*, Hallo, Ludovic#, Nicolai, Philippe#, Tikhonchuk, Vladimir T#	Multi-megabar pressure and superdense materials created by laser-induced micro-explosion inside of transparent solid	15th APS Conference on Shock Compression of Condensed Matter	1041 - 1044
Chen, Xiao*, Jones, Haley*, Jayalath, Anagiyaddage Dhammik*	Effective Link Operation Duration: a New Routing Metric for Mobile Ad Hoc Networks	1st International Conference on Signal Processing and Communication Systems (ICSPCS 2007)	6 pages
Holmstad, R#, Goel, A#, Arns, Christoph H*, Knackstedt, Mark*, Gregersen, O W#	Effect of papermaking variables on the detailed 3D paper structure assessed by X-ray microtomography	2004 Progress in Paper Physics Seminar	67-69
Oliver, David*, Bradby, Jodie*, Williams, James S*, Swain, Michael Vincent#, McGrouther, Damien#, Munroe, Paul#	Indentation-Induced Damage Mechanisms in Germanium	2006 Materials Research Society Fall Meeting	0983-LL08-02
Grelu, Philippe#, Rapp, Ludovic#, Soto-Crespo, J.M.#, Akhmediev, Nail*	Dissipative Solitons for Real-World Optical Solitons	2007 Asia Optical Fiber Communication and Optolectronic Exposition Conference	154-155
Juodkazis, Saulius#, Gamaly, Eugene G*, Mizeikis, Vyngantas#, Misawa, Hiroaki#, Rode, Andrei V*, Krolikowski, Wieslaw*	3D write-read-erase memory bits recording by fs-pulses in LiNbO3	2007 European Conference on Lasers and Electro-Optics and the International Quantum Electronics Conference (CLEO-IQEC 2007)	1 page
Finsterbusch, Klaus#, Baker, Neil J.#, Ta'eed, Vahid G#, Eggleton,	Design and Fabrication of Long-period Gratings in As2S3 Chalcogenide Glass Rib	2007 European Conference on Lasers and Electro-Optics and the International	

AUTHORS	PUBLICATION	CONFERENCE (alpha)	PAGES
Benjamin J#, Choi, Duk-Yong*, Madden, Steve*, Luther-Davies, Barry*	Waveguides	Quantum Electronics Conference (CLEO-IQEC 2007)	
Akhmediev, Nail*, Soto-Crespo, Jose M#, Grelu, Philippe#, Devine, Natasha*	Interactions and transformations of dissipative optical bullets	2007 European Conference on Lasers and Electro-Optics and the International Quantum Electronics Conference (CLEO-IQEC 2007)	
Zha, Congji*, Prasad, Amrita*, Luther-Davies, Barry*, Wang, Rongping*, Madden, Steve*, Rode, Andrei V*	Optimization of the Structural and Optical Properties of Ge-As-Se Glasses	2007 European Conference on Lasers and Electro-Optics and the International Quantum Electronics Conference (CLEO-IQEC 2007)	
Boschetto, David#, Gamaly, Eugene G*, Rode, Andrei V*, Luther-Davies, Barry*, Glijer, D. G.#, Garl, T.#, Albert, O.#, Rousse, Antoine#, Etchepare, J.#	Reflectivity oscillations of laser-excited Bi: imprint of atomic vibrations through electron-phonon coupling	2007 European Conference on Lasers and Electro-Optics and the International Quantum Electronics Conference (CLEO-IQEC 2007)	
Soto-Crespo, Jose M#, Grelu, Philippe#, Akhmediev, Nail*	Vibrating temporal soliton pairs	2007 European Conference on Lasers and Electro-Optics and the International Quantum Electronics Conference (CLEO-IQEC 2007)	
Olafuyi, A.O.#, Cinar, Yildiray#, Knackstedt, Mark*, Pinczewski, Wolf Val#	Spontaneous imbibition in Small Cores	2007 SPE Asia Pacific Oil and Gas conference and exhibition	
Arns, J*, Sheppard, Adrian P*, Arns, Christoph H*, Knackstedt, Mark*, Pinczewski, Wolf Val#, Yelkhovsky, A#	Pore level validation of representative pore networks obtained from micro-CT images	21st International Symposium of the Society of Core Analysts 2007	26
Knackstedt, Mark*, Arns, Christoph H*, Sheppard, Adrian P*, Senden, Timothy *, Sok, Robert*, Cinar, Yildiray#, Olafuyi, A.O.#, Pinczewski, Wolf Val#, Padhy, Girija#, Ioannidis, Marios A#	Pore scale analysis of electrical resistivity in complex core material	21st International Symposium of the Society of Core Analysts 2007	Paper Number SCA2007 -P53
Knackstedt, Mark*, Arns, Christoph H*, Sakellariou, Arthur*, Senden, Timothy *, Sheppard, Adrian P*, Sok, Robert*	X-Ray Micro-tomography applications of Relevance to the Petroleum Industry	2nd Symposium on Portable Synchrotron Light Sources and Advanced Applications	
Larsson, Ann-Kristin*, Carnerup, Anna*, Hyde, Stephen*, Fitz Gerald, John*	Crystallography of Biomimetic Silica Carbonate Precipitates	31st Annual Condensed Matter and Materials Meeting	11

AUTHORS	PUBLICATION	CONFERENCE (alpha)	PAGES
Lobanov, Nikolai*, Weisser, David*	Intermodulation Measurements in Electroplated PbSn Superconducting Split-loop Resonators	31st Annual Condensed Matter and Materials Meeting	3
Arns, Christoph H*	An analysis of NMR-permeability scaling rules by numerical MRI	48th Annual Logging Symposium of the Society of Petrophysicists & Well Log Analysts	
Knackstedt, Mark*, Arns, Christoph H*, Sheppard, Adrian P*, Senden, Timothy *, Sok, Robert*, Cinar, Yildiray#, Pinczewski, Wolf Val#, Ioannidis, Marios A#, Padhy, Girija#	Archie's exponents in complex lithologies derived from 3D digital core analysis	48th Annual Logging Symposium of the Society of Petrophysicists & Well Log Analysts	paper UU:1-16
Chen, Xiao*, Jones, Haley*, Jayalath, Anagiyaddage Dhammik*	Congestion-Aware Routing Protocol for Mobile Ad Hoc Networks	66th IEEE Vehicular Technology Conference 2007	
Anderson, Michael*, Shi, Zhenning*, Reed, Mark*, Borg, Gerard*	On Iterative Receivers with Channel Estimation for Serially Concatenated CPM	8th Australian Communications Theory Workshop (AusCTW 07)	39-46
Hetet, Gabriel*, Hsu, Magnus*, Gloeckl, Oliver*, Buchler, Benjamin C*, Longdell, Jevon*, Peng, Amy*, Johnsson, Mattias*, Hope, Joseph J*, Bachor, Hans*, Lam, Ping Koy*	Slowing and Storing Quantum Information With EIT	8th International Conference on Quantum Communication, Measurement and Computing	1-2
Chang, Wonkeun*, Ankiewicz, Adrian*, Akhmediev, Nail*, Soto-Crespo, J.M.#	Self-propelled solitions in Dissipative Systems	Bragg Gratings, PHotosensitivity and Poling in Glass Waveguides	Article NTHA4.pdf pages 1-3
Devine, Natasha*, Ankiewicz, Adrian*, Akhmediev, Nail*, Soto-Crespo, J.M.#	Solitons and antisolitions in Dissipative Systems	Bragg Gratings, PHotosensitivity and Poling in Glass Waveguides	NThB4 pp.1-3
Choi, Duk-Yong*, Madden, Steve*, Rode, Andrei V*, Wang, Rongping*, Luther-Davies, Barry*, Baker , Neil J#, Eggleton, Benjamin J#	High Quality Comb Filters in Chalcogenide Rib Waveguides	COIN and Australian Conference on Optical Fibre Technology (COIN-ACOFT 2007)	3 pages
Zha, Congji*, Luther-Davies, Barry*, Wang, Rongping*, Madden, Steve*	Highly Optical Nonlinear Ag-doped As2Se3 Glasses: Preparation and Characterization	COIN and Australian Conference on Optical Fibre Technology (COIN-ACOFT 2007)	3 pages
Kolev, Vesselin Z*, Duering, M#, Luther-Davies, Barry*	A simple scalable solid-state 589nm laser guide star source based on optical parametric amplifiers	Conference on Lasers and Electro-Optics Quantum Electronics and Laser Science Conference and Conference on Photonic Applications, Systems and Technologies	2 pages

AUTHORS	PUBLICATION	CONFERENCE (alpha)	PAGES
Boschetto, David#, Gamaly, Eugene G*, Rode, Andrei V*, Luther-Davies, Barry*, Glijer, D. G.#, Garl, T.#, Albert, O.#, Rousse, Antoine#, Etchepare, J.#	Coherent phonons imprinted into reflectivity oscillations of laser-excited Bi through electron-phonon coupling	Conference on Lasers and Electro-Optics Quantum Electronics and Laser Science Conference and Conference on Photonic Applications, Systems and Technologies	JThD11.pdf
Choi, Duk-Yong*, Madden, Steve*, Rode, Andrei V*, Wang, Rongping*, Luther-Davies, Barry*, Baker, Neil J.#, Eggleton, Benjamin J#	Novel Shadow Mask Structure for Sampled Bragg Gratings in Chalcogenide (As2S3) Planar Waveguides	Conference on Lasers and Electro-Optics Quantum Electronics and Laser Science Conference and Conference on Photonic Applications, Systems and Technologies	2 pages
Neshev, Dragomir*, Sukhorukov, Andrey*, Dreischuh, Alexander*, Fischer, Robert*, Ha , Sangwoo *, Krolikowski, Wieslaw*, Bolger, J#, Eggleton, Benjamin J#, Mitchell, Arnan#, Austin, Michael W.#, Kivshar, Yuri S*	Observation of polychromatic gap solitons generated by supercontinuum light	Conference on Lasers and Electro-Optics Quantum Electronics and Laser Science Conference and Conference on Photonic Applications, Systems and Technologies	QTuE3.pdf
Luther-Davies, Barry*, Zha, Congji*, Prasad, Amrita*, Smith, Anita*	Optical Properties and structural transitions in Ge-As-Se glasses	Conference on Lasers and Electro-Optics Quantum Electronics and Laser Science Conference and Conference on Photonic Applications, Systems and Technologies	CMGG7.PDF
Xiao, Pengdong*, Barnes, Nick*, Caetano, Tiberio*, Lieby, Paulette*	An MRF and Gaussian Curvature Based Shape Representation for Shape Matching	IEEE computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2007)	1-7
Kibedi, Tibor*, Burrows, T W#, Trzhaskovskaya, M B#, Nestor, C.W.#, Davidson, Paul Murray*	Conversion coefficients - how good are they now?	International Conference on Nuclear Data for Science and Technology (ND-2007)	4
Kondev, Filip G#, Dracoulis, George*, Khoo, T#, Lane, Gregory*, Byrne, Aidan*, Kibedi, Tibor*, Ahmad, I.#, Carpenter, M P#, Janssens, R V F#, Lauritsen, T#, Lister, C J#, Seweryniak, D#, Zhu, S.#, Chowdhury, P#, Tandel, S K#	Studies of Multi-Quasiparticle K-Isomers in Rare-Earth and Transfermium Nuclei	International Conference on Nuclear Data for Science and Technology (ND-2007)	
Cullen, D M#, Mason, P.J.R.#, Rigby, S.#, Khan, S.#, Kishada, A.M.#, Varley, B.J.#, Scholey, C#, Grahn, T.#, Greenlees, P.T.#, Rahkila, P#, Jones, P#, Julin, Rauno Juhani#, Juutinen, S#, Leino, M#, Leppanen, A.P.#, Nieminen,	Isomer Studies for Nuclei near the Proton Drip Line in the Mass 130â "160 Region	International Conference on Proton Emitting Nuclei and Related Topics (PROCON 2007)	

AUTHORS	PUBLICATION	CONFERENCE (alpha)	PAGES
Paivi*, Nyman, M.#, Pakarinen,			
Lamont, M R E#, Ta'eed, Vahid G#	Error-free wavelength conversion via cross phase modulation in As2S3 chalcogenide glass rib waveguides	LEOS 2007	MC2
Moss, David J#, Roelens, M.#, Madden, Steve*, Luther-Davies, Barry*, Eggleton, Benjamin J#	Error-free wavelength conversion via cross phase modulation in As2S3 chalcogenide glass rib waveguides	LEOS 2007	MC2
Choi, Duk-Yong*, Madden, Steve*, Rode, Andrei V*, Wang, Rongping*, Bulla, Douglas A P*, Luther-Davies, Barry*	Fabrication of As2S3 Planar Waveguides with Very Low Propagation Loss	LEOS 2007	ML4
Smith, Cameron L C#, Wu, Darran K C#, Lee, Michael#, Monat, Christelle#	Microfluidic Photonic Crystal Nanocavities	Microelectronics, MEMS, and Nanotechnology 2007	680003 - 1-7
Tomljenovic-Hanic, Snjezana#, Freeman, Darren*, Madden, Steve*, Grillet, Christian#, Luther-Davies, Barry*, Giessen, Harald#, Eggleton, Benjamin J#	Microfluidic Photonic Crystal Nanocavities	Microelectronics, MEMS, and Nanotechnology 2007	680003 - 1-7
Ghous, Abid*, Senden, Timothy *, Sok, Robert*, Sheppard, Adrian P*, Pinczewski, Wolf Val#, Knackstedt, Mark*	3D Characterisation of Microporosity in Carbonate Cores	Middle East Regional SPWLA Symposium: Petrophysics and Brown Field Resource Optimization	
Sok, Robert*, Arns, Christoph H*, Knackstedt, Mark*, Senden, Timothy *, Sheppard, Adrian P*, Averdunk, Holger*, Pinczewski, Wolf Val#, Okabe, Hiroshi#	Estimation of Petrophysical Parameters from 3D images of Carbonate Core	Middle East Regional SPWLA Symposium: Petrophysics and Brown Field Resource Optimization	
Arns, Christoph H*, Madadi, Mahyar*, Sheppard, Adrian P*, Knackstedt, Mark*	Linear elastic properties of granular rocks derived from Xray-CT images	Society of Exploration Geophysicists 2007	
Wilson, Anna*, Howitt, Susan*, Wilson, K*	Research-led education: challenges and experiences	UniServe Science Teaching and Learning Research Conference	154-159
Gasques , Leandro *, Wiescher, M.#, Yakovlev, D.G.#	A Unified Equation for the Reaction Rate in Dense Matter Stars	VII Latin American Symposium on Nuclear Physics and Applications	341-347