

ΔΗΜΟΣΙΕΥΣΕΙΣ ΤΜΗΜΑΤΟΣ ΕΠΙΣΤΗΜΗΣ ΤΩΝ ΥΛΙΚΩΝ 2011-2017

A/A	AUTHORS	TITLE	JOURNAL	VOL.	ISSUE	PAGES		ARTICLE NUMBER	YEAR
1	Soultati, A; Kostis, I; Papadimitropoulos, G; Zeniou, A; Gogolides, E; Alexandropoulos, D; Vainos, N; Davazoglou, D; Speliotis, T; Stathopoulos, NA; Argitis, P; Vasilopoulou, M	Microwave exposure as a fast and cost-effective alternative of oxygen plasma treatment of indium-tin oxide electrode for application in organic solar cells	JOURNAL OF PHYSICS D-APPLIED PHYSICS	50	50			505105	2017
2	Ibrahim, AA; Ahmad, R; Umar, A; Al-Assiri, MS; Al-Salami, AE; Kumar, R; Ansari, SG; Baskoutas, S	Two-dimensional ytterbium oxide nanodisks based biosensor for selective detection of urea	BIOSENSORS & BIOELECTRONICS	98		254	260		2017
3	Fthenakis, ZG; Kalosakas, G; Chatzidakis, GD; Galiotis, C; Papagelis, K; Lathiotakis, NN	Atomistic potential for graphene and other sp(2) carbon systems	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	19	45	30925	30932		2017
4	Gonzalez, N; Custal, MD; Tomara, GN; Psarras, GC; Riba, JR; Armelin, E	Dielectric response of vulcanized natural rubber containing BaTiO3 filler: The role of particle functionalization	EUROPEAN POLYMER JOURNAL	97		57	67		2017
5	Nazari, K; Kontogiannidou, E; Ahmad, RH; Andreadis, D; Rasekh, M; Bouropoulos, N; van Der Merwe, SM; Chang, MW; Fatouros, DG; Ahmad, Z	Fibrous polymeric buccal film formulation, engineering and bio-interface assessment	EUROPEAN POLYMER JOURNAL	97		147	157		2017
6	Bourlinos, AB; Georgakilas, V; Mouselimis, V; Kouloumpis, A; Mouzourakis, E; Koutsioukis, A; Antoniou, MK; Gournis, D; Karakassides, MA; Deligiannakis, Y; Urbanova, V; Cepe, K; Bakandritsos, A; Zboril, R	Fullerol-graphene nanobuds: Novel water dispersible and highly conductive nanocarbon for electrochemical sensing	APPLIED MATERIALS TODAY	9		71	76		2017
7	Ibrahim, AA; Umar, A; Baskoutas, S	Ytterbium Doped Zinc Oxide Nanopencils for Chemical Sensor Application	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	17	12	9157	9162		2017

8	Kumar, A; Vanakaras, AG; Photinos, DJ	Polar Molecular Ordering in the N-x Phase of Bimesogens and Enantiotopic Discrimination in the NMR Spectra of Rigid Prochiral Solutes	JOURNAL OF PHYSICAL CHEMISTRY B	121	47	10689	10703		2017
9	Kapsiotis, A; Rassios, AE; Grieco, G; Antonelou, A	Genesis of Cr-bearing hydrogrossular-rich veins in a chromitite boulder from Ayios Stefanos, West Othris, Greece: A paradigm of micro-rodingites formation at the late stages of oceanic slab emplacement	ORE GEOLOGY REVIEWS	90		287	306		2017
10	Georgantzinou, SK; Giannopoulos, GI	Thermomechanical buckling of single walled carbon nanotubes by a structural mechanics method	DIAMOND AND RELATED MATERIALS	80		27	37		2017
11	Umar, A; Kim, SH; Kumar, R; Al-Assiri, MS; Al-Salami, AE; Ibrahim, AA; Baskoutas, S	In-Doped ZnO Hexagonal Stepped Nanorods and Nanodisks as Potential Scaffold for Highly-Sensitive Phenyl Hydrazine Chemical Sensors	MATERIALS	10	11			1337	2017
12	Grammatikopoulos, S; Stamatelatos, A; Delimitis, A; Sousanis, A; Chrsanthopoulou, A; Trachylis, D; Politis, C; Pouloupoulos, P	Growth of Au Nanoparticles in NiO via Short Annealing of Precursor Material Thin Film and Optimization of Plasmonics	PHYSICA STATUS SOLIDI A- APPLICATIONS AND MATERIALS SCIENCE	214	11			1700303	2017
13	Tas, M; Sasioglu, E; Friedrich, C; Galanakis, I	A first-principles DFT plus GW study of spin-filter and spin-gapless semiconducting Heusler compounds	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	441		333	338		2017
14	Tomara, GN; Karahaliou, PK; Psarras, GC; Georga, SN; Krontiras, CA; Siengchin, S; Karger-Kocsis, J	Dielectric relaxation mechanisms in polyoxymethylene/polyurethane/layered silicates hybrid nanocomposites	EUROPEAN POLYMER JOURNAL	95		304	313		2017

15	Koliogiorgos, A; Baskoutas, S; Galanakis, I	Electronic and gap properties of lead-free perfect and mixed hybrid halide perovskites: An ab-initio study	COMPUTATIONAL MATERIALS SCIENCE	138		92	98		2017
16	Michos, FI; Sigalas, MM; Koukaras, EN	Computational Study of the Excitation Energies of CdSe Nanoparticles With Defects	IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS	23	5			4800305	2017
17	Giannopoulos, GI; Georgantzinis, SK	Tensile behavior of gallium nitride monolayer via nonlinear molecular mechanics	EUROPEAN JOURNAL OF MECHANICS A-SOLIDS	65		223	232		2017
18	Tzitzios, V; Hu, XC; Dimos, K; Gournis, D; Georgakilas, V; Avgouropoulos, G; Katsiotis, MS; Alhassan, SM; Hadjipanayis, G	Uniform growth of fct FePt nanoparticles on the surface of reduced-GO via a green facile approach. Ferromagnetic r-GO nanocomposites with high coercivity and surface area	CARBON	121		209	216		2017
19	Vassilakopoulou, A; Papadatos, D; Koutselas, I	Light emitting diodes based on blends of quasi-2D lead halide perovskites stabilized within mesoporous silica matrix	MICROPOROUS AND MESOPOROUS MATERIALS	249		165	175		2017
20	Karavasili, C; Amanatiadou, EP; Kontogiannidou, E; Eleftheriadis, GK; Bouropoulos, N; Pavlidou, E; Kontopoulou, I; Vizirianakis, IS; Fatouros, DG	Comparison of different zeolite framework types as carriers for the oral delivery of the poorly soluble drug indomethacin	INTERNATIONAL JOURNAL OF PHARMACEUTICS	528	1-Φεβ	76	87		2017
21	Dimos, K; Arcudi, F; Kouloumpis, A; Koutselas, IB; Rudolf, P; Gournis, D; Prato, M	Top-down and bottom-up approaches to transparent, flexible and luminescent nitrogen-doped carbon nanodot-clay hybrid films	NANOSCALE	9	29	10256	10262		2017

22	Sagasti, A; Bouropoulos, N; Kouzoudis, D; Panagiotopoulos, A; Topoglidis, E; Gutierrez, J	Nanostructured ZnO in a Metglas/ZnO/Hemoglobin Modified Electrode to Detect the Oxidation of the Hemoglobin Simultaneously by Cyclic Voltammetry and Magnetoelastic Resonance	MATERIALS	10	8			849	2017
23	Gioumouxouzis, CI; Katsamenis, OL; Bouropoulos, N; Fatouros, DG	3D printed oral solid dosage forms containing hydrochlorothiazide for controlled drug delivery	JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY	40		164	171		2017
24	Chadov, S; Wu, SC; Felser, C; Galanakis, I	Stability of Weyl points in magnetic half-metallic Heusler compounds	PHYSICAL REVIEW B	96	2			24435	2017
25	Ibrahim, AA; Tiwari, P; Al-Assiri, MS; Al-Salami, AE; Umar, A; Kumar, R; Kim, SH; Ansari, ZA; Baskoutas, S	A Highly-Sensitive Picric Acid Chemical Sensor Based on ZnO Nanopeanuts	MATERIALS	10	7			795	2017
26	Sanida, A; Stavropoulos, SG; Speliotis, T; Psarras, GC	Development, characterization, energy storage and interface dielectric properties in SrFe ₁₂ O ₁₉ /epoxy nanocomposites	POLYMER	120		73	81		2017
27	Al-Hadeethi, Y; Umar, A; Ibrahim, AA; Al-Heniti, SH; Kumar, R; Baskoutas, S; Raffah, BM	Synthesis, characterization and acetone gas sensing applications of Ag-doped ZnO nanoneedles	CERAMICS INTERNATIONAL	43	9	6765	6770		2017
28	Giannopoulos, GI; Avntoulla, GS	Tensile strength of graphene versus temperature and crack size: Analytical expressions from molecular dynamics simulation data	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART N- JOURNAL OF NANOMATERIALS NANOENGINEERING AND NANOSYSTEMS	231	2	67	73		2017
29	Sigalas, MM	Towards Molybdenum Disulfide Nanotraps	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	17	6	4069	4072		2017

30	Giannopoulos, GI; Georgantzinis, SK	Establishing detection maps for carbon nanotube mass sensors: molecular versus continuum mechanics	ACTA MECHANICA	228	6	2377	2390		2017
31	Dogkas, LD; Kamalakis, T; Kanakis, P; Alexandropoulos, D	Engineering the spectral properties of non-uniform coupled micro-ring resonator optical filters using numerical optimization	JOURNAL OF OPTICS	19	6			65703	2017
32	Vassilakopoulou, A; Georgakilas, V; Koutselas, I	Encapsulation and protection of carbon dots within MCM-41 material	JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY	82	3	795	800		2017
33	Antonelou, A; Hoffman, T; Edgar, JH; Yannopoulos, SN	MoS ₂ /h-BN heterostructures: controlling MoS ₂ crystal morphology by chemical vapor deposition	JOURNAL OF MATERIALS SCIENCE	52	12	7028	7038		2017
34	Carreno, F; Anton, MA; Yannopoulos, V; Paspalakis, E	Control of the absorption of a four-level quantum system near a plasmonic nanostructure	PHYSICAL REVIEW B	95	19			195410	2017
35	Anastasopoulou, M; Vasilopoulos, KC; Anagnostopoulos, D; Koutselas, I; Papayannis, DK; Karakassides, MA	Structural and Theoretical Study of Strontium Borophosphate Glasses Using Raman Spectroscopy and ab Initio Molecular Orbital Method	JOURNAL OF PHYSICAL CHEMISTRY B	121	17	4610	4619		2017
36	Kouloumpis, A; Thomou, E; Chalmpes, N; Dimos, K; Spyrou, K; Bourlinos, AB; Koutselas, I; Gournis, D; Rudolf, P	Graphene/Carbon Dot Hybrid Thin Films Prepared by a Modified Langmuir-Schaefer Method	ACS OMEGA	2	5	2090	2099		2017
37	Nazari, K; Kontogiannidou, E; Ahmad, RH; Gratsani, A; Rasekh, M; Arshad, MS; Sunar, BS; Armitage, D; Bouropoulos, N; Chang, MW; Li, X; Fatouros, DG; Ahmad, Z	Development and characterisation of cellulose based electrospun mats for buccal delivery of non-steroidal anti-inflammatory drug (NSAID)	EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES	102		147	155		2017

38	Heist, LM; Poon, CD; Samulski, ET; Photinos, DJ	Direct Measurement of the Angular Pair Correlation Coefficients in Molecular Liquids Using NMR. Benchmarking Force Fields for Atomistic Simulations	JOURNAL OF PHYSICAL CHEMISTRY B	121	16	4174	4183		2017
39	Pedicini, R; Sigalas, M; Carbone, A; Gatto, I	Functionalised hybrid Poly(ether ether ketone) containing MnO ₂ : Investigation of operative conditions for hydrogen sorption	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	42	15	10089	10098		2017
40	Kostas, V; Baikousi, M; Dimos, K; Vasilopoulos, KC; Koutselas, I; Karakassides, MA	Efficient and Rapid Photocatalytic Reduction of Hexavalent Chromium Achieved by a Phloroglucinol-Derived Microporous Polymeric Organic Framework Solid	JOURNAL OF PHYSICAL CHEMISTRY C	121	13	7303	7311		2017
41	Koutsiouki, K; Angelopoulou, A; Ioannou, E; Voulgari, E; Sergides, A; Magoulas, GE; Bakandritsos, A; Avgoustakis, K	TAT Peptide-Conjugated Magnetic PLA-PEG Nanocapsules for the Targeted Delivery of Paclitaxel: In Vitro and Cell Studies	AAPS PHARMSCITECH	18	3	769	781		2017
42	Karoutsos, V; Gontad, F; Kantarelis, S; Lorusso, A; Perrone, A; Vainos, NA	Labyrinthine and dendritic patterns in polyethylene oxide films grown by pulsed laser deposition	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	123	4			270	2017
43	Vassilakopoulou, A; Papadatos, D; Koutselas, I	Flexible, cathodoluminescent and free standing mesoporous silica films with entrapped quasi-2D perovskites	APPLIED SURFACE SCIENCE	400		434	439		2017
44	Vassilakopoulou, A; Georgakilas, V; Vainos, N; Koutselas, I	Successful entrapment of carbon dots within flexible free-standing transparent mesoporous organic-inorganic silica hybrid films for photonic applications	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	103		190	196		2017

45	Konstantopoulou, A; Sgouros, AP; Sigalas, MM	Computational study of phononic resonators and waveguides in monolayer transition metal dichalcogenides	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	19	11	8082	8090		2017
46	Kanapitsas, A; Psarras, GC; Tsonos, C; Speliotis, T; Patsidis, AC; Siores, E; Triantis, D	Magneto-Electric Response and Functionality in Barium Ferrite/Barium Titanate/Epoxy Resin Nanocomposites	JOURNAL OF ADVANCED PHYSICS	6	1	69	75		2017
47	Bakandritsos, A; Pykal, M; Blonski, P; Jakubec, P; Chronopoulos, DD; Polakova, K; Georgakilas, V; Cepe, K; Tomanec, O; Ranc, V; Bourlinos, AB; Zboril, R; Otyepka, M	Cyanographene and Graphene Acid: Emerging Derivatives Enabling High-Yield and Selective Functionalization of Graphene	ACS NANO	11	3	2982	2991		2017
48	Georgantzinou, SK; Markolefas, S; Giannopoulos, GI; Katsareas, DE; Anifantis, NK	Designing pinhole vacancies in graphene towards functionalization: Effects on critical buckling load	SUPERLATTICES AND MICROSTRUCTURES	103		343	357		2017
49	Giannopoulos, GI	Mechanical behavior of planar borophenes: A molecular mechanics study	COMPUTATIONAL MATERIALS SCIENCE	129		304	310		2017
50	Angelopoulou, P; Paloukis, F; Slowik, G; Wojcik, G; Avgouropoulos, G	Combustion-synthesized $\text{Li}_x\text{Mn}_2\text{O}_4$ -based spinel nanorods as cathode materials for lithium-ion batteries	CHEMICAL ENGINEERING JOURNAL	311		191	202		2017
51	Drakopoulos, SX; Karger-Kocsis, J; Kmetty, A; Lendvai, L; Psarras, GC	Thermoplastic starch modified with microfibrillated cellulose and natural rubber latex: A broadband dielectric spectroscopy study	CARBOHYDRATE POLYMERS	157		711	718		2017
52	Thanopoulos, I; Yannopoulos, V; Paspalakis, E	Non-Markovian dynamics in plasmon-induced spontaneous emission interference	PHYSICAL REVIEW B	95	7			75412	2017

53	Tas, M; Sasioglu, E; Friedrich, C; Blugel, S; Galanakis, I	Design of L2(1)-type antiferromagnetic semiconducting full-Heusler compounds: A first principles DFT plus GW study	JOURNAL OF APPLIED PHYSICS	121	5			53903	2017
54	Sousanis, A; Pouloupoulos, P; Karoutsos, V; Trachylis, D; Politis, C	Giant Enhancement of Small Photoluminescent Signals on Glass Surfaces Covered by Self-Assembled Silver Nanorings	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	17	2	1428	1433		2017
55	Vassilakopoulou, A; Papadatos, D; Zakouras, I; Koutselas, I	Mixtures of quasi-two and three dimensional hybrid organic-inorganic semiconducting perovskites for single layer LED	JOURNAL OF ALLOYS AND COMPOUNDS	692		589	598		2017
56	Evangelou, S	Using interference effects for controlled light propagation in four-waveguide directional couplers	JOURNAL OF MODERN OPTICS	64	19	2017	2022		2017
57	Giannopoulos, GI	Crack Identification in Graphene Using Eigenfrequencies	INTERNATIONAL JOURNAL OF APPLIED MECHANICS	9	1			1750009	2017
58	Karoutsos, V; Venetsanos, O; Geralis, D; Pouloupoulos, P; Politis, C	Nanostructure of Fe-C Alloys Prepared by Arc Melting in Vacuum	JOURNAL OF NANO RESEARCH	45		218	228		2017
59	Vlachos, A, Pouloupoulos, P	On the Hund's third rule in quantum matter	QUANTUM MATTER	6		37	40		2017
60	Eleftheriadis, GK; Filippousi, M; Tsachouridou, V; Darda, MA; Sygellou, L; Kontopoulou, I; Bouropoulos, N; Steriotis, T; Charalambopoulou, G; Vizirianakis, IS; Van Tendeloo, G; Fatouros, DG	Evaluation of mesoporous carbon aerogels as carriers of the non-steroidal anti-inflammatory drug ibuprofen	INTERNATIONAL JOURNAL OF PHARMACEUTICS	515	1- $\Phi\epsilon\beta$	262	270		2016
61	Ibrahim, AA; Kumar, R; Umar, A; Kim, SH; Bumajdad, A; Ansari, ZA; Baskoutas, S	Cauliflower-shaped ZnO nanomaterials for electrochemical sensing and photocatalytic applications	ELECTROCHIMICA ACTA	222		463	472		2016

62	Voulgari, E; Bakandritsos, A; Galtsidis, S; Zoumpourlis, V; Burke, BP; Clemente, GS; Cawthorne, C; Archibald, SJ; Tucek, J; Zboril, R; Kantarelou, V; Karydas, AG; Avgoustakis, K	Synthesis, characterization and in vivo evaluation of a magnetic cisplatin delivery nanosystem based on PMAA-graft-PEG copolymers	JOURNAL OF CONTROLLED RELEASE	243		342	356		2016
63	Vassilakopoulou, A; Papadatos, D; Koutselas, I	Room temperature light emitting diode based on 2D hybrid organic-inorganic low dimensional perovskite semiconductor	APPLIED MATERIALS TODAY	5		128	133		2016
64	Li, NQ; Alexandropoulos, D; Susanto, H; Henning, I; Adams, M	Stability Analysis of Quantum-Dot Spin-VCSEs	ELECTRONICS	5	4			83	2016
65	Kapsiotis, A; Ewing Rassios, A; Antonelou, A; Tzamos, E	Genesis and Multi-Episodic Alteration of Zircon-Bearing Chromitites from the Ayios Stefanos Mine, Othris Massif, Greece: Assessment of an Unconventional Hypothesis on the Origin of Zircon in Ophiolitic Chromitites	MINERALS	6	4			124	2016
66	Vainos, NA; Karoutsos, V; Mills, B; Eason, RW; Prassas, M	Isotropic contractive scaling of laser written microstructures in vitrified aerogels	OPTICAL MATERIALS EXPRESS	6	12	3814	3825		2016
67	Manika, GC; Psarras, GC	Energy storage and harvesting in BaTiO ₃ /epoxy nanodielectrics	HIGH VOLTAGE	1	4	151	157		2016
68	Tapeinos, C; Efthimiadou, EK; Boukos, N; Kordas, G	Sustained release profile of quatro stimuli nanocontainers as a multi sensitive vehicle exploiting cancer characteristics	COLLOIDS AND SURFACES B-BIOINTERFACES	148		95	103		2016
69	Georgakilas, V; Bourlinos, AB; Ntararas, E; Ibraliu, A; Gournis, D; Dimos, K; Kouloumpis, A; Zboril, R	Graphene nanobuds: Synthesis and selective organic derivatisation	CARBON	110		51	55		2016
70	Michos, FI; Sgouros, AP; Sigalas, MM	Ab initio study of boron and aluminum hydrides nanoparticles	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	41	44	20210	20216		2016

71	Ibrahim, AA; Umar, A; Kumar, R; Kim, SH; Bumajdad, A; Baskoutas, S	Sm2O3-doped ZnO beech fern hierarchical structures for nitroaniline chemical sensor	CERAMICS INTERNATIONAL	42	15	16505	16511		2016
72	Umar, A; Ahmad, R; Kumar, R; Ibrahim, AA; Baskoutas, S	Bi2O2CO3 nanoplates: Fabrication and characterization of highly sensitive and selective cholesterol biosensor	JOURNAL OF ALLOYS AND COMPOUNDS	683		433	438		2016
73	Kumar, A; Vanakaras, AG; Photinos, DJ	Molecular Interactions in Chiral Nematic Liquid Crystals and Enantiotopic Discrimination through the NMR Spectra of Prochiral Molecules I: Rigid Solutes	JOURNAL OF PHYSICAL CHEMISTRY B	120	41	10844	10853		2016
74	Zeng, ZP; Garoufalos, CS; Baskoutas, S	Nonlinear Optical Absorption in Colloidal CdS Quantum Dots: The Role of Dielectric Environment	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	11	5	615	619		2016
75	Ibrahim, AA; Umar, A; Ahmad, R; Kumar, R; Baskoutas, S	Fabrication and Characterization of Highly Sensitive and Selective Glucose Biosensor Based on ZnO Decorated Carbon Nanotubes	NANOSCIENCE AND NANOTECHNOLOGY LETTERS	8	10	853	858		2016
76	Karavasili, C; Kokove, L; Kontopoulou, I; Eleftheriadis, GK; Bouropoulos, N; Fatouros, DG	Dissolution enhancement of the poorly soluble drug nifedipine by co-spray drying with microporous zeolite beta	JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY	35		91	97		2016
77	Nochos, AN; Andrikopoulos, KS; Voyiatzis, GA	Manipulation of the drug-release behavior of poly(glycolide-co-trimethylene carbonate)	JOURNAL OF APPLIED POLYMER SCIENCE	133	36			43915	2016
78	Umar, A; Lee, JH; Kumar, R; Al-Dossary, O; Ibrahim, AA; Baskoutas, S	Development of highly sensitive and selective ethanol sensor based on lance-shaped CuO nanostructures	MATERIALS & DESIGN	105		16	24		2016

79	Koukaras, EN; Androulidakis, C; Anagnostopoulos, G; Papagelis, K; Galiotis, C	Compression behavior of simply-supported and fully embedded monolayer graphene: Theory and experiment	EXTREME MECHANICS LETTERS	8		191	200		2016
80	Christidi, EV; Kalosakas, G	Dynamics of the fraction of drug particles near the release boundary	EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS	225	6-Iouλ	1245	1254		2016
81	Costantini, L; Bouropoulos, N; Fatouros, DG; Kontopoulou, I; Roldo, M	Synthesis of carbon nanotubes loaded hydroxyapatite: Potential for controlled drug release from bone implants	JOURNAL OF ADVANCED CERAMICS	5	3	232	243		2016
82	Psarras, GC	'Energy Materials'... the role of polymers	EXPRESS POLYMER LETTERS	10	9	721	721		2016
83	Anagnostopoulos, G; Pappas, PN; Li, ZL; Kinloch, IA; Young, RJ; Novoselov, KS; Lu, CY; Pugno, N; Parthenios, J; Galiotis, C; Papagelis, K	Mechanical Stability of Flexible Graphene-Based Displays	ACS APPLIED MATERIALS & INTERFACES	8	34	22605	22614		2016
84	Sfyris, D; Galiotis, C	Curvature-dependent surface energy for free-standing monolayer graphene	MATHEMATICS AND MECHANICS OF SOLIDS	21	7	812	825		2016
85	Galanakis, I; Tirpanci, S; Ozdogan, K; Sasioglu, E	Itinerant G-type antiferromagnetism in D0(3)-type V(3)Z (Z = Al, Ga, In) compounds: A first-principles study	PHYSICAL REVIEW B	94	6			64401	2016
86	Carreno, F; Anton, MA; Yannopapas, V; Paspalakis, E	Resonance fluorescence spectrum of a Lambda-type quantum emitter close to a metallic nanoparticle	PHYSICAL REVIEW A	94	1			13834	2016
87	Vryonis, O; Anastassopoulos, DL; Vradis, AA; Psarras, GC	Dielectric response and molecular dynamics in epoxy-BaSrTiO3 nanocomposites: Effect of nanofiller loading	POLYMER	95		82	90		2016

88	Mouzakis, D; Zaoutsos, SP; Bouropoulos, N; Rokidi, S; Papanicolaou, G	Influence of artificially-induced porosity on the compressive strength of calcium phosphate bone cements	JOURNAL OF BIOMATERIALS APPLICATIONS	31	1	112	120		2016
89	Bimis, A; Karalekas, D; Bouropoulos, N; Mouzakis, D; Zaoutsos, S	Monitoring of hardening and hygroscopic induced strains in a calcium phosphate bone cement using FBG sensor	JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS	60		195	202		2016
90	Karabulut, I; Paspalakis, E	The role of permanent dipoles on the intensity-dependent nonlinear optical properties in asymmetric coupled quantum wells under a static electric field	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	81		294	301		2016
91	Sgouros, AP; Kalosakas, G; Galiotis, C; Papagelis, K	Uniaxial compression of suspended single and multilayer graphenes	2D MATERIALS	3	2			25033	2016
92	Sarigiannis, Y; Kolokithas-Ntoukas, A; Beziere, N; Zboril, R; Papadimitriou, E; Avgoustakis, K; Lamprou, M; Medrikova, Z; Rousalis, E; Ntziachristos, V; Bakandritsos, A	Synthesis and evaluation of condensed magnetic nanocrystal clusters with in vivo multispectral optoacoustic tomography for tumour targeting	BIOMATERIALS	91		128	139		2016
93	Tas, M; Sasioglu, E; Galanakis, I; Friedrich, C; Blugel, S	Quasiparticle band structure of the almost-gapless transition-metal-based Heusler semiconductors	PHYSICAL REVIEW B	93	19			195155	2016
94	Georgakilas, V; Tiwari, JN; Kemp, KC; Perman, JA; Bourlinos, AB; Kim, KS; Zboril, R	Noncovalent Functionalization of Graphene and Graphene Oxide for Energy Materials, Biosensing, Catalytic, and Biomedical Applications	CHEMICAL REVIEWS	116	9	5464	5519		2016
95	Santarossa, F; Pappas, SD; Delimitis, A; Sousanis, A; Pouloupoulos, P	Naturally Produced Co/CoO Nanocrystalline Magnetic Multilayers: Structure and Inverted Hysteresis	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	16	5	4960	4967		2016

96	Vassilakopoulou, A; Dimos, K; Kostas, V; Karakassides, MA; Koutselas, I	Synthesis and characterization of calcium oxyborapatite with bimodal porosity	JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY	78	2	339	346		2016
97	Michail, A; Delikoukos, N; Parthenios, J; Galiotis, C; Papagelis, K	Optical detection of strain and doping inhomogeneities in single layer MoS ₂	APPLIED PHYSICS LETTERS	108	17			173102	2016
98	Workineh, ZG; Vanakaras, AG	Homogeneous alignment of liquid crystalline dendrimers confined in a slit-pore. A simulation study	JOURNAL OF PHYSICS-CONDENSED MATTER	28	11			115002	2016
99	Koukaras, EN; Sgouros, AP; Sigalas, MM	Fully Hydrogenated Beryllium Nanoclusters	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	138	9	3218	3227		2016
100	Sucnea, M; Vamvakaki, M; Louloudakis, D; Sigalas, M; Katsarakis, N; Vernardou, D; Koudoumas, E	INFLUENCE OF THICKNESS ON THE PROPERTIES OF TiO ₂ AND Ti(Nb)O-2 THIN FILMS	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA	61	1	97	106		2016
101	Kim, SH; Ibrahim, AA; Kumar, R; Umar, A; Abaker, M; Hwang, SW; Baskoutas, S	Synthesis and Characterization of Mimosa Pudica Leaves Shaped alpha-Iron Oxide Nanostructures for Ethanol Chemical Sensor Applications	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	16	3	2944	2949		2016
102	Avgouropoulos, G; Schlicker, S; Schelhaas, KP; Papavasiliou, J; Papadimitriou, KD; Theodorakopoulou, E; Gourdoupi, N; Machocki, A; Ioannides, T; Kallitsis, JK; Kolb, G; Neophytides, S	Performance evaluation of a proof-of-concept 70 W internal reforming methanol fuel cell system	JOURNAL OF POWER SOURCES	307		875	882		2016
103	Vasileiadis, M; Koutselas, I; Pispas, S; Vainos, NA	Design and evaluation of polymer matrices for the encapsulation of CdSe/ZnS quantum dots in photonic nanocomposite thin films	JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS	54	5	552	560		2016
104	Kanapitsas, A; Tsonos, C; Psarras, GC; Kriptomou, S	Barium ferrite/epoxy resin nanocomposite system: Fabrication, dielectric, magnetic and hydration studies	EXPRESS POLYMER LETTERS	10	3	227	236		2016

105	Kontopoulou, I; Angelopoulou, A; Bouropoulos, N	ZnO spherical porous nanostructures obtained by thermal decomposition of zinc palmitate	MATERIALS LETTERS	165		87	90		2016
106	Iliopoulos, N; Terzis, AF; Yannopapas, V; Paspalakis, E	Two-qubit correlations via a periodic plasmonic nanostructure	ANNALS OF PHYSICS	365		38	53		2016
107	Karavasili, C; Bouropoulos, N; Sygellou, L; Amanatiadou, EP; Vizirianakis, IS; Fatouros, DG	PLGA/DPPC/trimethylchitosan spray-dried microparticles for the nasal delivery of ropinirole hydrochloride: in vitro, ex vivo and cytocompatibility assessment	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	59		1053	1062		2016
108	Antonelou, A; Syrokostas, G; Sygellou, L; Leftheriotis, G; Dracopoulos, V; Yannopoulos, SN	Facile, substrate-scale growth of mono- and few-layer homogeneous MoS ₂ films on Mo foils with enhanced catalytic activity as counter electrodes in DSSCs	NANOTECHNOLOGY	27	4			45404	2016
109	Lendvai, L; Karger-Kocsis, J; Kmetty, A; Drakopoulos, SX	Production and characterization of microfibrillated cellulose-reinforced thermoplastic starch composites	JOURNAL OF APPLIED POLYMER SCIENCE	133	2			42397	2016
110	Calo, G; Alexandropoulos, D; Petruzzelli, V	Temperature Performance of GaInNAs-Based Photonic Crystal Waveguide Modulators	PROGRESS IN ELECTROMAGNETICS RESEARCH M	47		201	213		2016
111	Georgakilas, V; Koutsioukis, A; Petr, M; Tucek, J; Zboril, R	Remarkable enhancement of the electrical conductivity of carbon nanostructured thin films after compression	NANOSCALE	8	22	11413	11417		2016
112	Workineh, ZG; Vanakaras, AG	Self-organisation and alignment properties of homeotropically confined model liquid crystalline dendrimer systems	LIQUID CRYSTALS	43	7	944	954		2016

113	Vanakaras, AG; Photinos, DJ	A molecular theory of nematic-nematic phase transitions in mesogenic dimers	SOFT MATTER	12	7	2208	2220		2016
114	Liaros, N; Tucek, J; Dimos, K; Bakandritsos, A; Andrikopoulos, KS; Gournis, D; Zboril, R; Couris, S	The effect of the degree of oxidation on broadband nonlinear absorption and ferromagnetic ordering in graphene oxide	NANOSCALE	8	5	2908	2917		2016
115	Terzis, AF; Kosionis, SG; Boviatsis, J; Paspalakis, E	Nonlinear optical susceptibilities of semiconductor quantum dot - metal nanoparticle hybrids	JOURNAL OF MODERN OPTICS	63	5	451	461		2016
116	Alexopoulou, M; Mystiridou, E; Mouzakis, D; Zaoutsos, S; Fatouros, DG; Bouropoulos, N	Preparation, characterization and in vitro assessment of ibuprofen loaded calcium phosphate/gypsum bone cements	CRYSTAL RESEARCH AND TECHNOLOGY	51	1	41	48		2016
117	Tsonos, C; Soin, N; Tomara, G; Yang, B; Psarras, GC; Kanapitsas, A; Siores, E	Electromagnetic wave absorption properties of ternary poly(vinylidene fluoride)/magnetite nanocomposites with carbon nanotubes and graphene	RSC ADVANCES	6	3	1919	1924		2016
118	Kalosakas, G; Martini, D	Drug release from slabs and the effects of surface roughness	INTERNATIONAL JOURNAL OF PHARMACEUTICS	496	2	291	298		2015
119	Androulidakis, C; Koukaras, EN; Parthenios, J; Kalosakas, G; Papagelis, K; Galiotis, C	Graphene flakes under controlled biaxial deformation	SCIENTIFIC REPORTS	5				18219	2015
120	Paspalakis, E	Comment on "From fast light to slow light in resonantly driven quantum dot systems" [Opt. Commun. 298-299 (2013) 176-179]	OPTICS COMMUNICATIONS	357		195	197		2015

121	Salavati-Niasari, M; Baskoutas, S	Praseodymium(III) and Neodymium(III) of 18-and 20-Membered Schiff Base Complex Nanoparticles Encapsulated Within the Zeolite Y: Synthesis and Characterization	SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY	45	12	1826	1833		2015
122	Trakakis, G; Anagnostopoulos, G; Sygellou, L; Bakolas, A; Parthenios, J; Tasis, D; Galiotis, C; Papangelis, K	Epoxidized multi-walled carbon nanotube buckypapers: A scaffold for polymer nanocomposites with enhanced mechanical properties	CHEMICAL ENGINEERING JOURNAL	281		793	803		2015
123	Ozdogan, K; Sasioglu, E; Galanakis, I	Ab-initio investigation of electronic and magnetic properties of the 18-valence-electron fully-compensated ferrimagnetic (CrV)XZ Heusler compounds: A prototype for spin-filter materials	COMPUTATIONAL MATERIALS SCIENCE	110		77	82		2015
124	Pappa, EJ; Vryonis, O; Kalini, A; Patsidis, AC; Psarras, GC	Broadband Dielectric Response and Energy Storage in Elastomeric/Inorganic Filler Nanocomposites	JOURNAL OF ADVANCED PHYSICS	4	4	337	343		2015
125	Avgouropoulos, G; Papavasiliou, J; Ioannides, T; Neophytides, S	Insights on the effective incorporation of a foam-based methanol reformer in a high temperature polymer electrolyte membrane fuel cell	JOURNAL OF POWER SOURCES	296		335	343		2015
126	Tsirogiannis, C; Galanakis, I	Effect of the double-counting functional on the electronic and magnetic properties of half-metallic magnets using the GGA plus U method	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	393		297	304		2015

127	Dimitriou, V; Kaselouris, E; Orphanos, Y; Bakarezos, M; Vainos, N; Tatarakis, M; Papadogiannis, NA	Three dimensional transient behavior of thin films surface under pulsed laser excitation (vol 103, 114104, 2013)	APPLIED PHYSICS LETTERS	107	17			179901	2015
128	Dallas, P; Georgakilas, V	Interfacial polymerization of conductive polymers: Generation of polymeric nanostructures in a 2-D space	ADVANCES IN COLLOID AND INTERFACE SCIENCE	224		46	61		2015
129	Samulski, ET; Poon, CD; Heist, LM; Photinos, DJ	Liquid-State Structure via Very High-Field Nuclear Magnetic Resonance Discriminates among Force Fields	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	6	18	3626	3631		2015
130	Ifandi, E; Tsikouras, B; Papoulis, D; Hatzipanagiotou, K; Antonelou, A	A new microenvironment for the formation of clay minerals: the example of authigenic halloysite-7 angstrom and gibbsite in a stalactite from Agios Georgios Cave, Kilkis, north Greece	INTERNATIONAL JOURNAL OF SPELEOLOGY	44	3	327	340		2015
131	Vasilopoulou, M; Georgiadou, DG; Soultati, A; Douvas, AM; Papadimitropoulos, G; Davazoglou, D; Pistolis, G; Stathopoulos, NA; Kamalakis, T; Alexandropoulos, D; Vainos, N; Politi, CT; Palilis, LC; Couris, S; Coutsolelos, AG; Argitis, P	Solution processed multi-color organic light emitting diodes for application in telecommunications	MICROELECTRONIC ENGINEERING	145		21	28		2015
132	Heist, LM; Poon, CD; Samulski, ET; Photinos, DJ; Jokisaari, J; Vaara, J; Emsley, JW; Mamone, S; Lelli, M	Benzene at 1 GHz. Magnetic field-induced fine structure	JOURNAL OF MAGNETIC RESONANCE	258		17	24		2015
133	Kosionis, SG; Paspalakish, E	Pump-probe optical response of an asymmetric double quantum dot molecule	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	73		126	134		2015
134	Koukaras, EN; Kalosakas, G; Galiotis, C; Papagelis, K	Phonon properties of graphene derived from molecular dynamics simulations	SCIENTIFIC REPORTS	5				12923	2015

135	Aravantinos-Zafiris, N; Sigalas, MM	Large scale phononic metamaterials for seismic isolation	JOURNAL OF APPLIED PHYSICS	118	6			64901	2015
136	Yannopapas, V; Vanakaras, AG	Strong Magnetochiral Dichroism in Suspensions of Magnetoplasmonic Nanohelices	ACS PHOTONICS	2	8	1030	1038		2015
137	Gontad, F; Lorusso, A; Solombrino, L; Koutselas, I; Vainos, N; Perrone, A	Growth of Niobium Thin Films on Si Substrates by Pulsed Nd:YAG Laser Deposition	JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY	31	8	784	789		2015
138	Karoutsos, V; Koutselas, I; Orfanou, P; Mpatzaka, T; Vasileiadis, M; Vassilakopoulou, A; Vainos, NA; Perrone, A	One-pot synthesis and transfer of PMMA/Ag photonic nanocomposites by pulsed laser deposition	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	120	2	707	716		2015
139	Angelopoulou, A; Efthimiadou, EK; Kordas, G	A new approach to fabricate bioactive silica binary and ternary hybrid microspheres	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	53		76	82		2015
140	Sousanis, A; Grammatikopoulos, S; Delimitis, A; Dracopoulos, V; Pouloupoulos, P	Localized surface plasmon resonances after selective oxidization of AuCu solid solution nanocrystalline films	APPLIED PHYSICS LETTERS	107	1			11903	2015
141	Chremmos, I; Kallos, E; Giamalaki, M; Yannopapas, V; Paspalakis, E	Effective medium theory for two-dimensional non-magnetic metamaterial lattices up to quadrupole expansions	JOURNAL OF OPTICS	17	7			75102	2015
142	Lewandowski, M; Scheibe, B; Vasileiadis, T; Michalak, N; Milosz, Z; Ranecki, R; Mielcarek, S; Lucinski, T; Jurga, S	Raman spectroscopy indications of the Verwey transition in epitaxial Fe ₃ O ₄ (111) films on Pt(111) and Ru(0001)	SURFACE & COATINGS TECHNOLOGY	271		87	91		2015

143	Georgakilas, V; Perman, JA; Tucek, J; Zboril, R	Broad Family of Carbon Nanoallotropes: Classification, Chemistry, and Applications of Fullerenes, Carbon Dots, Nanotubes, Graphene, Nanodiamonds, and Combined Superstructures	CHEMICAL REVIEWS	115	11	4744	4822		2015
144	Stathi, P; Deligiannakis, Y; Avgouropoulos, G; Louloudi, M	Efficient H-2 production from formic acid by a supported iron catalyst on silica	APPLIED CATALYSIS A-GENERAL	498		176	184		2015
145	Peroukidis, SD; Vanakaras, AG; Photinos, DJ	Molecular simulation study of polar order in orthogonal bent-core smectic liquid crystals	PHYSICAL REVIEW E	91	6			62501	2015
146	Tsoukleri, G; Parthenios, J; Galiotis, C; Papagelis, K	Embedded trilayer graphene flakes under tensile and compressive loading	2D MATERIALS	2	2			24009	2015
147	Jakobsson, A; Mavropoulos, P; Sasioglu, E; Blugel, S; Lezaic, M; Sanyal, B; Galanakis, I	First-principles calculations of exchange interactions, spin waves, and temperature dependence of magnetization in inverse-Heusler-based spin gapless semiconductors	PHYSICAL REVIEW B	91	17			174439	2015
148	Li, ZL; Kinloch, IA; Young, RJ; Novoselov, KS; Anagnostopoulos, G; Parthenios, J; Galiotis, C; Papagelis, K; Lu, CY; Britnell, L	Deformation of Wrinkled Graphene	ACS NANO	9	4	3917	3925		2015
149	Tomara, GN; Kerasidou, AP; Patsidis, AC; Karahaliou, PK; Psarras, GC; Georga, SN; Krontiras, CA	Dielectric response and energy storage efficiency of low content TiO ₂ -polymer matrix nanocomposites	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	71		204	211		2015
150	Antonelou, A; Dracopoulos, V; Yannopoulos, SN	Laser processing of SiC: From graphene-coated SiC particles to 3D graphene froths	CARBON	85		176	184		2015
151	Papavassiliou, GC; Vidali, MS; Pagona, G; Mousdis, GA; Karousis, N; Koutselas, I	Effects of organic moieties on the photoluminescence spectra of perovskite-type tin bromide based compounds	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	79		1	6		2015

152	Kamalakis, T; Alexandropoulos, D; Vainos, N	Efficient design of polymer micro-resonator filters based on coupled mode theory and finite difference mode solver	OPTICS COMMUNICATIONS	339		123	128		2015
153	Georgakilas, V; Demeslis, A; Ntararas, E; Kouloumpis, A; Dimos, K; Gournis, D; Kocman, M; Otyepka, M; Zboril, R	Hydrophilic Nanotube Supported Graphene-Water Dispersible Carbon Superstructure with Excellent Conductivity	ADVANCED FUNCTIONAL MATERIALS	25	10	1481	1487		2015
154	Bounos, G; Andrikopoulos, KS; Moschopoulou, H; Ioannides, T; Kouravelou, K; Psarras, GC; Voyiatzis, GA	Water Vapor Transport Enhancement Through Isotactic Polypropylene by Incorporating Multiwalled Carbon Nanotubes	POWDER METALLURGY AND METAL CERAMICS	53	11-Δεκ	634	642		2015
155	Jomehzadeh, E; Saidi, AR; Jomehzadeh, Z; Bonaccorso, F; Palermo, V; Galiotis, C; Pugno, NM	Nonlinear subharmonic oscillation of orthotropic graphene-matrix composite	COMPUTATIONAL MATERIALS SCIENCE	99		164	172		2015
156	Bourlinos, AB; Trivizas, G; Karakassides, MA; Baikousi, M; Kouloumpis, A; Gournis, D; Bakandritsos, A; Hola, K; Kozak, O; Zboril, R; Papagiannouli, I; Aloukos, P; Couris, S	Green and simple route toward boron doped carbon dots with significantly enhanced non-linear optical properties	CARBON	83		173	179		2015
157	Tsonos, C; Kanapitsas, A; Psarras, GC; Speliotis, T	Effect of ZnO Nanoparticles on the Dielectric/Electrical and Thermal Properties of Epoxy-Based Nanocomposites	SCIENCE OF ADVANCED MATERIALS	7	3	588	597		2015
158	Galanakis, I	High spin-polarization in ultrathin Co ₂ MnSi/CoPd multilayers	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	377		291	294		2015
159	Anagnostopoulos, G; Androulidakis, C; Koukaras, EN; Tsoukleri, G; Polyzos, I; Parthenios, J; Papagelis, K; Galiotis, C	Stress Transfer Mechanisms at the Submicron Level for Graphene/Polymer Systems	ACS APPLIED MATERIALS & INTERFACES	7	7	4216	4223		2015

160	Dimitriou, V; Kaselouris, E; Orphanos, Y; Bakarezos, M; Vainos, N; Nikolos, IK; Tatarakis, M; Papadogiannis, NA	The thermo-mechanical behavior of thin metal films under nanosecond laser pulse excitation above the thermoelastic regime	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	118	2	739	748		2015
161	Saridis, GM; Alexandropoulos, D; Zervas, G; Simeonidou, D	Survey and Evaluation of Space Division Multiplexing: From Technologies to Optical Networks	IEEE COMMUNICATIONS SURVEYS AND TUTORIALS	17	4	2136	2156		2015
162	Georgakilas, V; Vrettos, K; Katomeri, K; Kouloumpis, A; Dimos, K; Gournis, D; Zboril, R	Highly dispersible disk-like graphene nanoflakes	NANOSCALE	7	37	15059	15064		2015
163	Yannopoulos, V; Paspalakis, E	Giant enhancement of dipole-forbidden transitions via lattices of plasmonic nanoparticles	JOURNAL OF MODERN OPTICS	62	17	1435	1441		2015
164	Polyzos, I; Bianchi, M; Rizzi, L; Koukaras, EN; Parthenios, J; Papagelis, K; Sordan, R; Galiotis, C	Suspended monolayer graphene under true uniaxial deformation	NANOSCALE	7	30	13033	13042		2015
165	Sgouros, AP; Kalosakas, G; Sigalas, MM; Papagelis, K	Exotic carbon nanostructures obtained through controllable defect engineering	RSC ADVANCES	5	50	39930	39937		2015
166	Poulopoulos, P; Vlachos, A; Grammatikopoulos, S; Karoutsos, V; Ioannou, PS; Bebelos, N; Trachylis, D; Velgakis, MJ; Meletis, EI; Politis, C	Texture and magnetism of nanocrystalline Ni films and multilayers	JOURNAL OF NANO RESEARCH	30		68	77		2015
167	Karger-Kocsis, J; Kmetty, A; Lendvai, L; Drakopoulos, SX; Barany, T	Water-Assisted Production of Thermoplastic Nanocomposites: A Review	MATERIALS	8	1	72	95		2015
168	Tomankova, K; Polakova, K; Pizova, K; Binder, S; Havrdova, M; Kolarova, M; Kriegova, E; Zapletalova, J; Malina, L; Horakova, J; Malohlava, J; Kolokithas-Ntoukas, A; Bakandritsos, A; Kolarova, H; Zboril, R	/In vitro cytotoxicity analysis of doxorubicinloaded/superparamagnetic iron oxide colloidal nanoassemblies on MCF7 and NIH3T3 cell lines	INTERNATIONAL JOURNAL OF NANOMEDICINE	10		949	961		2015

169	Hoffmann, A; Vanakaras, AG; Kohlmeier, A; Mehl, GH; Photinos, DJ	On the structure of the Nx phase of symmetric dimers: inferences from NMR	SOFT MATTER	11	5	850	855		2015
170	Athanasekos, L; Vasileiadis, M; El Sachat, A; Vainos, NA; Riziotis, C	ArF excimer laser microprocessing of polymer optical fibers for photonic sensor applications	JOURNAL OF OPTICS	17	1			15402	2015
171	Zeng, ZP; Petoni, A; Garoufalis, CS; Baskoutas, S; Bester, G	Near-band-edge exciton polarization change in ZnO nanowires	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	17	2	1197	1203		2015
172	Kouloumpis, A; Spyrou, K; Dimos, K; Georgakilas, V; Rudolf, P; Goumis, D	A bottom-up approach for the synthesis of highly ordered fullerene-intercalated graphene hybrids	FRONTIERS IN MATERIALS					UNSP 10	2015
173	Androulidakis, C; Tsoukleri, G; Koutroumanis, N; Gkikas, G; Pappas, P; Parthenios, J; Papagelis, K; Galiotis, C	Experimentally derived axial stress-strain relations for two-dimensional materials such as monolayer graphene	CARBON	81		322	328		2015
174	Karahaliou, PK; Kerasidou, AP; Georga, SN; Psarras, GC; Krontiras, CA; Karger-Kocsis, J	Dielectric relaxations in polyoxymethylene and in related nanocomposites: Identification and molecular dynamics	POLYMER	55	26	6819	6826		2014
175	Aravantinos-Zafiris, N; Sigalas, MM; Kafesaki, M; Economou, EN	Phononic crystals and elastodynamics: Some relevant points	AIP ADVANCES	4	12			124203	2014
176	Sgouros, AP; Neupane, MR; Sigalas, MM; Aravantinos-Zafiris, N; Lake, RK	Nanoscale phononic interconnects in THz frequencies	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	16	42	23355	23364		2014
177	Avgouropoulos, G; Paxinou, A; Neophytides, S	In situ hydrogen utilization in an internal reforming methanol fuel cell	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	39	31	18103	18108		2014

178	Karavasili, C; Katsamenis, OL; Bouropoulos, N; Nazar, H; Thurner, PJ; van der Merwe, SM; Fatouros, DG	Preparation and Characterization of Bioadhesive Microparticles Comprised of Low Degree of Quaternization Trimethylated Chitosan for Nasal Administration: Effect of Concentration and Molecular Weight	LANGMUIR	30	41	12337	12344		2014
179	Aravantinos-Zafiris, N; Sigalas, MM; Economou, EN	Elastodynamic behavior of the three dimensional layer-by-layer metamaterial structure	JOURNAL OF APPLIED PHYSICS	116	13			133503	2014
180	Rasekh, M; Karavasili, C; Soong, YL; Bouropoulos, N; Morris, M; Armitage, D; Li, X; Fatouros, DG; Ahmad, Z	Electrospun PVP-indomethacin constituents for transdermal dressings and drug delivery devices	INTERNATIONAL JOURNAL OF PHARMACEUTICS	473	1- $\Phi\epsilon\beta$	95	104		2014
181	Peroukidis, SD; Yannopapas, V; Vanakaras, AG; Droulias, S; Photinos, DJ	Plasmonic response of ordered arrays of gold nanorods immersed within a nematic liquid crystal	LIQUID CRYSTALS	41	10	1430	1435		2014
182	Galanakis, I; Ozdogan, K; Sasioglu, E	High-T-C fully compensated ferrimagnetic semiconductors as spin-filter materials: the case of CrVXAI (X = Ti, Zr, Hf) Heusler compounds (vol 26, 086003, 2014)	JOURNAL OF PHYSICS-CONDENSED MATTER	26	37			379501	2014
183	Vasileiadis, T; Yannopoulos, SN	Photo-induced oxidation and amorphization of trigonal tellurium: A means to engineer hybrid nanostructures and explore glass structure under spatial confinement	JOURNAL OF APPLIED PHYSICS	116	10			103510	2014
184	Hadjitheodorou, A; Kalosakas, G	Analytical and numerical study of diffusion-controlled drug release from composite spherical matrices	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	42		681	690		2014

185	Asimakopoulos, IA; Psarras, GC; Zoumpoulakis, L	Barium titanate/polyester resin nanocomposites: Development, structure-properties relationship and energy storage capability	EXPRESS POLYMER LETTERS	8	9	692	707		2014
186	Galanakis, I; Sasioglu, E; Blugel, S; Ozdogan, K	Voids-driven breakdown of the local-symmetry and Slater-Pauling rule in half-metallic Heusler compounds	PHYSICAL REVIEW B	90	6			64408	2014
187	Workineh, ZG; Vanakaras, AG	Surface-Induced Ordering on Model Liquid Crystalline Dendrimers	POLYMERS	6	8	2082	2099		2014
188	Karavasili, C; Bouropoulos, N; Kontopoulou, I; Smith, A; van der Merwe, SM; Rehman, IUR; Ahmad, Z; Fatouros, DG	Preparation and characterization of multiactive electrospun fibers: Poly-epsilon-caprolactone fibers loaded with hydroxyapatite and selected NSAIDs	JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A	102	8	2583	2589		2014
189	Pappas, SD; Delimitis, A; Kapaklis, V; Papaioannou, ET; Pouloupoulos, P; Trachylis, D; Velgakis, MJ; Politis, C	Natural Nanomorphous Ni/NiO Magnetic Multilayers: Structure and Magnetism of the High-Pressure Series	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	14	8	6103	6107		2014
190	Galanakis, I; Ozdogan, K; Sasioglu, E; Blugel, S	Effect of disorder on the magnetic properties of cubic Mn ₂ Ru _x Ga compounds: A first-principles study	JOURNAL OF APPLIED PHYSICS	116	3			33903	2014
191	Zeng, ZP; Garoufalidis, CS; Baskoutas, S	Linear and nonlinear optical susceptibilities in a laterally coupled quantum-dot-quantum-ring system	PHYSICS LETTERS A	378	36	2713	2718		2014
192	Haladjova, E; Rangelov, S; Tsvetanov, CB; Posheva, V; Peycheva, E; Maximova, V; Momekova, D; Mountrichas, G; Pispas, S; Bakandritsos, A	Enhanced Gene Expression Promoted by Hybrid Magnetic/Cationic Block Copolymer Micelles	LANGMUIR	30	27	8193	8200		2014

193	Lamprou, M; Sarigiannis, Y; Bakandritsos, A; Avgoustakis, K; Winnefeld, F; Pispas, S; Meristoudi, A; Zboril, R; Papadimitriou, E	Effects of poly(methacrylic acid)-graft-poly(ethylene glycol) coated magnetic nanoparticles on drug delivery to endothelial and cancer cells	ANGIOGENESIS	17	3	758	759		2014
194	Androulidakis, C; Koukaras, EN; Frank, O; Tsoukleri, G; Sfyris, D; Parthenios, J; Pugno, N; Papagelis, K; Novoselov, KS; Galiotis, C	Failure Processes in Embedded Monolayer Graphene under Axial Compression	SCIENTIFIC REPORTS	4				5271	2014
195	Govatsi, K; Chrissanthopoulos, A; Dracopoulos, V; Yannopoulos, SN	The influence of Au film thickness and annealing conditions on the VLS-assisted growth of ZnO nanostructures	NANOTECHNOLOGY	25	21			215601	2014
196	Zeng, ZP; Garoufalos, CS; Baskoutas, S	New Insights in the Excitonic Emission of ZnS Colloidal Quantum Dots	JOURNAL OF PHYSICAL CHEMISTRY C	118	19	10502	10508		2014
197	Muhammad, Y; Magnus, F; Thersleff, T; Pouloupoulos, P; Kapaklis, V; Leifer, K; Hjorvarsson, B	Growth of polycrystalline Ag/Ni multilayers at room temperature	THIN SOLID FILMS	558		184	188		2014
198	Angelopoulou, A; Efthimiadou, EK; Boukos, N; Kordas, G	A new approach for the one-step synthesis of bioactive PS vs. PMMA silica hybrid microspheres as potential drug delivery systems	COLLOIDS AND SURFACES B-BIOINTERFACES	117		322	329		2014
199	Psarras, GC; Sofos, GA; Vradis, A; Anastassopoulos, DL; Georga, SN; Krontiras, CA; Karger-Kocsis, J	HNBR and its MWCNT reinforced nanocomposites: Crystalline morphology and electrical response	EUROPEAN POLYMER JOURNAL	54		190	199		2014
200	Efthimiadou, EK; Tapeinos, C; Tziveleka, LA; Boukos, N; Kordas, G	pH- and thermo-responsive microcontainers as potential drug delivery systems: Morphological characteristic, release and cytotoxicity studies	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	37		271	277		2014
201	Mathioudakis, GN; Patsidis, AC; Psarras, GC	Dynamic electrical thermal analysis on zinc oxide/epoxy resin nanodielectrics	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	116	1	27	33		2014

202	Patsidis, AC; Kalaitzidou, K; Psarras, GC	Graphite nanoplatelets/polymer nanocomposites: thermomechanical, dielectric, and functional behavior	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	116	1	41	49		2014
203	Soultati, A; Georgiadou, DG; Douvas, A; Argitis, P; Alexandropoulos, D; Vainos, NA; Stathopoulos, NA; Papadimitropoulos, G; Davazoglou, D; Vasilopoulou, M	The role of metal/metal oxide/organic anode interfaces in efficiency and stability of bulk heterojunction organic photodetectors	MICROELECTRONIC ENGINEERING	117		13	17		2014
204	Chrissanthopoulos, A; Kyriazis, FC; Nikolakis, V; Giannakopoulos, IG; Dracopoulos, V; Baskoutas, S; Bouropoulos, N; Yannopoulos, SN	ZnO/zeolite hybrid nanostructures: synthesis, structure, optical properties, and simulation	THIN SOLID FILMS	555		21	27		2014
205	Sgouros, A; Sigalas, MM; Papagelis, K; Kalosakas, G	Transforming graphene nanoribbons into nanotubes by use of point defects	JOURNAL OF PHYSICS-CONDENSED MATTER	26	12			125301	2014
206	Zoppellaro, G; Kolokithas-Ntoukas, A; Polakova, K; Tucek, J; Zboril, R; Loudos, G; Fragogeorgi, E; Diwocky, C; Tomankova, K; Avgoustakis, K; Kouzoudis, D; Bakandritsos, A	Theranostics of Epitaxially Condensed Colloidal Nanocrystal Clusters, through a Soft Biomineralization Route	CHEMISTRY OF MATERIALS	26	6	2062	2074		2014
207	Poulopoulos, P; Goschew, A; Kapaklis, V; Wolff, M; Delimitis, A; Wilhelm, F; Rogalev, A; Pappas, SD; Straub, A; Fumagalli, P	Induced spin-polarization of EuS at room temperature in Ni/EuS multilayers	APPLIED PHYSICS LETTERS	104	11			112411	2014
208	Galanakis, I; Ozdogan, K; Sasioglu, E; Blugel, S	Conditions for spin-gapless semiconducting behavior in Mn ₂ CoAl inverse Heusler compound	JOURNAL OF APPLIED PHYSICS	115	9			93908	2014
209	Galanakis, I	Correlation-induced magnetic order and magnetic phenomena in transition-metal d-doped cubic ZnO	PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS	8	3	274	278		2014

210	Zeng, ZP; Gorgolis, G; Garoufalidis, CS; Baskoutas, S	Competition Effects of Electric and Magnetic Fields on Impurity Binding Energy in a Disc-Shaped Quantum Dot in the Presence of Pressure and Temperature	SCIENCE OF ADVANCED MATERIALS	6	3	586	591		2014
211	Evangelou, S; Yannopapas, V; Paspalakis, E	Transient properties of transparency of a quantum system near a plasmonic nanostructure	OPTICS COMMUNICATIONS	314		36	40		2014
212	Paspalakis, E; Evangelou, S; Kosionis, SG; Terzis, AF	Strongly modified four-wave mixing in a coupled semiconductor quantum dot-metal nanoparticle system	JOURNAL OF APPLIED PHYSICS	115	8			83106	2014
213	Galanakis, I; Ozdogan, K; Sasioglu, E	High-T-C fully compensated ferrimagnetic semiconductors as spin-filter materials: the case of CrVXAl (X = Ti, Zr, Hf) Heusler compounds	JOURNAL OF PHYSICS-CONDENSED MATTER	26	8			86003	2014
214	Papagiannouli, I; Maratou, E; Koutselas, I; Couris, S	Synthesis and Characterization of the Nonlinear Optical Properties of Novel Hybrid Organic-Inorganic Semiconductor Lead Iodide Quantum Wells and Dots	JOURNAL OF PHYSICAL CHEMISTRY C	118	5	2766	2775		2014
215	Sharma, GD; Keshtov, ML; Khokhlov, AR; Tasis, D; Galiotis, C	Improved power conversion efficiency by insertion of RGO-TiO ₂ composite layer as optical spacer in polymer bulk heterojunction solar cells	ORGANIC ELECTRONICS	15	2	348	355		2014
216	Tsoufis, T; Ampoumogli, A; Gournis, D; Georgakilas, V; Jankovic, L; Christoforidis, KC; Deligiannakis, Y; Mavrandonakis, A; Froudakis, GE; Maccallini, E; Rudolf, P; Mateo-Alonso, A; Prato, M	Direct observation of spin-injection in tyrosinate-functionalized single-wall carbon nanotubes	CARBON	67		424	433		2014

217	Psarras, GC	The ongoing impact of carbon (allotropic forms)/polymer composites	EXPRESS POLYMER LETTERS	8	2	73	73		2014
218	Efthimiadou, EK; Tapeinos, C; Chatzipavlidis, A; Boukos, N; Fragozeorgi, E; Palamaris, L; Loudos, G; Kordas, G	Dynamic in vivo imaging of dual-triggered microspheres for sustained release applications: Synthesis, characterization and cytotoxicity study	INTERNATIONAL JOURNAL OF PHARMACEUTICS	461	1- $\Phi\epsilon\beta$	54	63		2014
219	Markova, Z; Havrdova, M; Polakova, K; Tucek, J; Kubinek, R; Bakandritsos, A; Gerasimovskaya, E; Moldovan, R; Paucek, P; Zboril, R	Antibody - Conjugated Superparamagnetic Iron Oxide Nanoparticles for Active Targeting of Adenosine Receptors	BIOPHYSICAL JOURNAL	106	2	419A	419A		2014
220	Voutsinas, E; Terzis, AF; Paspalakis, E	Control of indirect exciton population in an asymmetric quantum dot molecule	PHYSICS LETTERS A	378	3	219	225		2014
221	Mei, H; Bai, QL; Dassios, K; Li, HQ; Cheng, LF; Galiotis, C	MORPHOLOGICAL AND MICROSTRUCTURAL PROPERTY COMPARISON OF BULK AND ALIGNED CVD-GROWN CARBON NANOTUBES	ADVANCED COMPOSITES LETTERS	23	1	5	10		2014
222	Papagiannouli, I; Bourlinos, AB; Bakandritsos, A; Couris, S	Nonlinear optical properties of colloidal carbon nanoparticles: nanodiamonds and carbon dots	RSC ADVANCES	4	76	40152	40160		2014
223	Zdetsis, AD; Sigalas, MM; Koukaras, EN	Ab initio theoretical investigation of beryllium and beryllium hydride nanoparticles and nanocrystals with implications for the corresponding infinite systems	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	16	27	14172	14182		2014
224	Peroukidis, SD	Biaxial mesophase behavior of amphiphilic anisometric colloids: a simulation study	SOFT MATTER	10	23	4199	4207		2014
225	Sigalas, MM; Koukaras, EN; Zdetsis, AD	Size dependence of the structural, electronic, and optical properties of (CdSe)(n), n=6-60, nanocrystals	RSC ADVANCES	4	28	14613	14623		2014

226	Spanakis, M; Bouropoulos, N; Theodoropoulos, D; Sygellou, L; Ewart, S; Moschovi, AM; Siokou, A; Niopas, I; Kachrimanis, K; Nikolakis, V; Cox, PA; Vizirianakis, IS; Fatouros, DG	Controlled release of 5-fluorouracil from microporous zeolites	NANOMEDICINE- NANOTECHNOLOGY BIOLOGY AND MEDICINE	10	1	197	205		2014
227	Athanasekos, L; El Sachat, A; Pispas, S; Riziotis, C	Amphiphilic Diblock Copolymer- Based Multiagent Photonic Sensing Scheme	JOURNAL OF POLYMER SCIENCE PART B- POLYMER PHYSICS	52	1	46	54		2014
228	Peroukidis, SD; Vanakaras, AG; Photinos, DJ	Supramolecular nature of the nematic-nematic phase transitions of hard boardlike molecules	PHYSICAL REVIEW E	88	6			62508	2013
229	Dingemans, TJ; Madsen, LA; Francescangeli, O; Vita, F; Photinos, DJ; Poon, CD; Samulski, ET	The biaxial nematic phase of oxadiazole biphenol mesogens	LIQUID CRYSTALS	40	12	1655	1677		2013
230	Savva, I; Odysseos, AD; Evaggelou, L; Marinica, O; Vasile, E; Vekas, L; Sarigiannis, Y; Krasia-Christoforou, T	Fabrication, Characterization, and Evaluation in Drug Release Properties of Magnetoactive Poly(ethylene oxide)-Poly(L-lactide) Electrospun Membranes	BIOMACROMOLECULES	14	12	4436	4446		2013
231	Orphanos, Y; Dimitriou, V; Kaselouris, E; Bakarezos, E; Vainos, N; Tatarakis, M; Papadogiannis, NA	An integrated method for material properties characterization based on pulsed laser generated surface acoustic waves	MICROELECTRONIC ENGINEERING	112		249	254		2013
232	Nikolakopoulou, A; Tasis, D; Sygellou, L; Dracopoulos, V; Galiotis, C; Lianos, P	Study of the thermal reduction of graphene oxide and of its application as electrocatalyst in quasi-solid state dye-sensitized solar cells in combination with PEDOT	ELECTROCHIMICA ACTA	111		698	706		2013
233	Paspalakis, E; Evangelou, S; Yannopapas, V; Terzis, AF	Phase-dependent optical effects in a four-level quantum system near a plasmonic nanostructure	PHYSICAL REVIEW A	88	5			53832	2013

234	Umar, A; Akhtar, MS; Dar, GN; Baskoutas, S	Low-temperature synthesis of alpha-Fe ₂ O ₃ hexagonal nanoparticles for environmental remediation and smart sensor applications	TALANTA	116		1060	1066		2013
235	Patsidis, AC; Psarras, GC	Structural transition, dielectric properties and functionality in epoxy resin-barium titanate nanocomposites	SMART MATERIALS AND STRUCTURES	22	11			115006	2013
236	Jomehzadeh, E; Afshar, MK; Galiotis, C; Shi, X; Pugno, NM	Nonlinear softening and hardening nonlocal bending stiffness of an initially curved monolayer graphene	INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS	56		123	131		2013
237	Paspalakis, E; Boviatsis, J; Baskoutas, S	Effects of probe field intensity in nonlinear optical processes in asymmetric semiconductor quantum dots	JOURNAL OF APPLIED PHYSICS	114	15			153107	2013
238	Sasioglu, E; Galanakis, I; Friedrich, C; Blugel, S	Ab initio calculation of the effective on-site Coulomb interaction parameters for half-metallic magnets	PHYSICAL REVIEW B	88	13			134402	2013
239	Kumar, A	The crossover temperature of nematic liquid crystals in the visible spectral range	LIQUID CRYSTALS	40	10	1422	1426		2013
240	Kumar, A	Temperature and Wavelength Dependence of Effective Geometry Parameter and a Comparative Study of Orientational Order	MOLECULAR CRYSTALS AND LIQUID CRYSTALS	582	1	43	55		2013

241	Lorusso, A; Cola, A; Gontad, F; Koutselas, I; Panareo, M; Vainos, NA; Perrone, A	New configuration of metallic photocathodes prepared by pulsed laser deposition	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	724		72	75		2013
242	Galanakis, I; Ozdogan, K; Sasioglu, E	A proposal for an alternative class of spin filter materials: Hybridization-induced high-T-C ferromagnetic semiconductors CoVXAl (X = Ti, Zr, Hf)	APPLIED PHYSICS LETTERS	103	14			142404	2013
243	Umar, A; Akhtar, MS; Dar, GN; Abaker, M; Al-Hajry, A; Baskoutas, S	Visible-light-driven photocatalytic and chemical sensing properties of SnS ₂ nanoflakes	TALANTA	114		183	190		2013
244	Tzanetopoulos, P; Kalosakas, G; Antimisiaris, SG	MODELING OF RELEASE KINETICS OF WATER-SOLUBLE MOLECULES FROM SUV LIPOSOMES	EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES	50		E96	E97		2013
245	Tzavara, D; Papadia, K; Bakandritsos, A; Antimisiaris, SG	Development of targeted paramagnetic nanoparticles	EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES	50		E98	E99		2013
246	Georgakilas, V; Kouloumpis, A; Gournis, D; Bourlinos, A; Trapalis, C; Zboril, R	Tuning the Dispersibility of Carbon Nanostructures from Organophilic to Hydrophilic: Towards the Preparation of New Multipurpose Carbon-Based Hybrids	CHEMISTRY-A EUROPEAN JOURNAL	19	38	12884	12891		2013
247	Dimitriou, V; Kaselouris, E; Orphanos, Y; Bakarezos, M; Vainos, N; Tatarakis, M; Papadogiannis, NA	Three dimensional transient behavior of thin films surface under pulsed laser excitation	APPLIED PHYSICS LETTERS	103	11			114104	2013

248	Umar, A; Akhtar, MS; Badran, RI; Abaker, M; Kim, SH; Al-Hajry, A; Baskoutas, S	Electrical properties of solution processed p-SnS nanosheets/n-TiO ₂ heterojunction assembly	APPLIED PHYSICS LETTERS	103	10			101602	2013
249	Faklaris, I; Bouropoulos, N; Vainos, NA	Composition and morphological characteristics of sialoliths	CRYSTAL RESEARCH AND TECHNOLOGY	48	9	632	640		2013
250	Bourlinos, AB; Karakassides, MA; Kouloumpis, A; Gournis, D; Bakandritsos, A; Papagiannouli, I; Aloukos, P; Couris, S; Hola, K; Zboril, R; Krysmann, M; Giannelis, EP	Synthesis, characterization and non-linear optical response of organophilic carbon dots	CARBON	61		640	643		2013
251	Pastore Carbone, MG; Parthenios, J; Tsoukleri, G; Cotugno, S; Mensitieri, G; Galiotis, C	Assessing micromechanical behaviour of PET cords in rubber matrix composites by laser Raman microscopy	COMPOSITES SCIENCE AND TECHNOLOGY	85		104	110		2013
252	Aspiotis, N; El Sachat, A; Athanasekos, L; Vasileiadis, M; Mousdis, G; Vainos, N; Riziotis, C	Diffraction Ammonia Sensors Based on Sol-Gel Nanocomposites Materials	SENSOR LETTERS	11	8	1415	1419		2013
253	Tsaousidou, M	Ultra-low acoustic-phonon-limited mobility and giant phonon-drag thermopower in MgZnO/ZnO heterostructures	PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS	7	8	554	557		2013
254	Aravantinos-Zafiris, N; Sigalas, MM	Band Gaps in Three-Dimensional Layer-by-Layer Phononic Crystal	JOURNAL OF VIBRATION AND ACOUSTICS-TRANSACTIONS OF THE ASME	135	4			41003	2013
255	Kosionis, SG; Terzis, AF; Paspalakis, E	Transient four-wave mixing in intersubband transitions of semiconductor quantum wells	JOURNAL OF LUMINESCENCE	140		130	134		2013
256	Zeng, ZP; Garoufalos, CS; Terzis, AF; Baskoutas, S	Linear and nonlinear optical properties of ZnO/ZnS and ZnS/ZnO core shell quantum dots: Effects of shell thickness, impurity, and dielectric environment	JOURNAL OF APPLIED PHYSICS	114	2			23510	2013

257	Filintoglou, K; Papadopoulos, N; Arvanitidis, J; Christofilos, D; Frank, O; Kalbac, M; Parthenios, J; Kalosakas, G; Galiotis, C; Papagelis, K	Raman spectroscopy of graphene at high pressure: Effects of the substrate and the pressure transmitting media	PHYSICAL REVIEW B	88	4			45418	2013
258	Yannopapas, V	Localized Heating of Nanostructures by Coherent Laser Pulses	JOURNAL OF PHYSICAL CHEMISTRY C	117	27	14183	14188		2013
259	Perrone, G; De Girolamo, A; Sarigiannis, Y; Haidukowski, ME; Visconti, A	Occurrence of ochratoxin A, fumonisin B-2 and black aspergilli in raisins from Western Greece regions in relation to environmental and geographical factors	FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT	30	7	1339	1347		2013
260	Paspalakis, E; Evangelou, S; Terzis, AF	Control of excitonic population inversion in a coupled semiconductor quantum dot-metal nanoparticle system	PHYSICAL REVIEW B	87	23			235302	2013
261	Trakakis, G; Tasis, D; Parthenios, J; Galiotis, C; Papagelis, K	Structural Properties of Chemically Functionalized Carbon Nanotube Thin Films	MATERIALS	6	6	2360	2371		2013
262	Tsoufis, T; Georgakilas, V; Ke, XX; Van Tendeloo, G; Rudolf, P; Gournis, D	Incorporation of Pure Fullerene into Organoclays: Towards C60-Pillared Clay Structures	CHEMISTRY-A EUROPEAN JOURNAL	19	24	7937	7943		2013
263	Kumar, A	On the Dielectric and Splay Elastic Constants of Nematic Liquid Crystals With Positive Dielectric Anisotropy	MOLECULAR CRYSTALS AND LIQUID CRYSTALS	575	1	30	39		2013
264	Ozdogan, K; Sasioglu, E; Galanakis, I	Slater-Pauling behavior in LiMgPdSn-type multifunctional quaternary Heusler materials: Half-metallicity, spin-gapless and magnetic semiconductors	JOURNAL OF APPLIED PHYSICS	113	19			193903	2013
265	Fountoulakis, A; Paspalakis, E	Coherent electron transfer in a coupled quantum dot nanostructure using stimulated Raman adiabatic passage	JOURNAL OF APPLIED PHYSICS	113	17			174301	2013

266	Knychala, J; Bouropoulos, N; Catt, CJ; Katsamenis, OL; Please, CP; Sengers, BG	Pore Geometry Regulates Early Stage Human Bone Marrow Cell Tissue Formation and Organisation	ANNALS OF BIOMEDICAL ENGINEERING	41	5	917	930		2013
267	Tsaousidou, M; Kubakaddi, SS; Lehmann, D	Effect of band anisotropy on phonon-drag thermopower in AlAs quantum wells: Strong enhancement of phonon drag	PHYSICAL REVIEW B	87	16			165304	2013
268	Kourkouli, SN; Siokou, A; Stefopoulos, AA; Ravani, F; Plocke, T; Muller, M; Maultzsch, J; Thomsen, C; Papagelis, K; Kallitsis, JK	Electronic Properties of Semiconducting Polymer-Functionalized Single Wall Carbon Nanotubes	MACROMOLECULES	46	7	2590	2598		2013
269	Kalosakas, G; Lathiotakis, NN; Galiotis, C; Papagelis, K	In-plane force fields and elastic properties of graphene	JOURNAL OF APPLIED PHYSICS	113	13			134307	2013
270	Liaros, N; Aloukos, P; Kolokithas-Ntoukas, A; Bakandritsos, A; Szabo, T; Zboril, R; Couris, S	Nonlinear Optical Properties and Broadband Optical Power Limiting Action of Graphene Oxide Colloids	JOURNAL OF PHYSICAL CHEMISTRY C	117	13	6842	6850		2013
271	Kumar, A	Determination of orientational order and effective geometry parameter from refractive indices of some nematics	LIQUID CRYSTALS	40	4	503	510		2013
272	Trakakis, G; Tasis, D; Aggelopoulos, C; Parthenios, J; Galiotis, C; Papagelis, K	Open structured in comparison with dense multi-walled carbon nanotube buckypapers and their composites	COMPOSITES SCIENCE AND TECHNOLOGY	77		52	59		2013
273	Zeng, ZP; Garoufalos, CS; Baskoutas, S; Bester, G	Electronic and optical properties of ZnO quantum dots under hydrostatic pressure	PHYSICAL REVIEW B	87	12			125302	2013
274	Hadjitheodorou, A; Kalosakas, G	Quantifying diffusion-controlled drug release from spherical devices using Monte Carlo simulations	MATERIALS SCIENCE & ENGINEERING C- MATERIALS FOR BIOLOGICAL APPLICATIONS	33	2	763	768		2013
275	Tasis, D; Papagelis, K; Spiliopoulos, P; Galiotis, C	Efficient exfoliation of graphene sheets in binary solvents	MATERIALS LETTERS	94		47	50		2013

276	Khachadorian, S; Papagelis, K; Ogata, K; Hofmann, S; Phillips, MR; Thomsen, C	Elastic Properties of Crystalline-Amorphous Core-Shell Silicon Nanowires	JOURNAL OF PHYSICAL CHEMISTRY C	117	8	4219	4226		2013
277	Kytariolos, J; Charkoftaki, G; Smith, JR; Voyiatzis, G; Chrissanthopoulos, A; Yannopoulos, SN; Fatouros, DG; Macheras, P	Stability and physicochemical characterization of novel milk-based oral formulations	INTERNATIONAL JOURNAL OF PHARMACEUTICS	444	1- $\Phi\epsilon\beta$	128	138		2013
278	Pappas, SD; Pouloupoulos, P; Lewitz, B; Straub, A; Goschew, A; Kapaklis, V; Wilhelm, F; Rogalev, A; Fumagalli, P	Direct evidence for significant spin-polarization of EuS in Co/EuS multilayers at room temperature	SCIENTIFIC REPORTS	3				1333	2013
279	Zeng, ZP; Paspalakis, E; Garoufalos, CS; Terzis, AF; Baskoutas, S	Optical susceptibilities in singly charged ZnO colloidal quantum dots embedded in different dielectric matrices	JOURNAL OF APPLIED PHYSICS	113	5			54303	2013
280	Vasileiadis, T; Dracopoulos, V; Kollia, M; Yannopoulos, SN	Laser-Assisted Growth of t-Te Nanotubes and their Controlled Photo-induced Unzipping to ultrathin core-Te/sheath-TeO ₂ Nanowires	SCIENTIFIC REPORTS	3				1209	2013
281	Grammatikopoulos, S; Pappas, SD; Dracopoulos, V; Pouloupoulos, P; Fumagalli, P; Velgakis, MJ; Politis, C	Self-assembled Au nanoparticles on heated Corning glass by dc magnetron sputtering: size-dependent surface plasmon resonance tuning	JOURNAL OF NANOPARTICLE RESEARCH	15	2			1446	2013
282	Yannopapas, V; Fytas, N; Kyrimi, V; Kallos, E; Vanakaras, AG; Photinos, DJ	Light scattering by a metallic nanoparticle coated with a nematic liquid crystal	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	210	2	335	340		2013
283	Androvitsaneas, P; Terzis, AF; Paspalakis, E	Localizable entanglement in antiferromagnetic and mixed Heisenberg chains: a quantum Monte Carlo study	QUANTUM INFORMATION PROCESSING	12	2	831	840		2013

284	Tabakova, T; Idakiev, V; Avgouropoulos, G; Papavasiliou, J; Manzoli, M; Boccuzzi, F; Ioannides, T	Highly active copper catalyst for low-temperature water-gas shift reaction prepared via a Cu-Mn spinel oxide precursor	APPLIED CATALYSIS A-GENERAL	451		184	191		2013
285	Kosionis, SG; Terzis, AF; Sadeghi, SM; Paspalakis, E	Optical response of a quantum dot-metal nanoparticle hybrid interacting with a weak probe field	JOURNAL OF PHYSICS-CONDENSED MATTER	25	4			45304	2013
286	Tirpanci, A; Sasioglu, E; Galanakis, I	Design of half-metallic Heusler-based superlattices with vanishing net magnetization	JOURNAL OF APPLIED PHYSICS	113	4			43912	2013
287	Skaftouros, S; Ozdogan, K; Sasioglu, E; Galanakis, I	Generalized Slater-Pauling rule for the inverse Heusler compounds	PHYSICAL REVIEW B	87	2			24420	2013
288	Yannopapas, V; Vitanov, NV	Spatiotemporal Control of Temperature in Nanostructures Heated by Coherent Laser Fields	PHYSICAL REVIEW LETTERS	110	4			44302	2013
289	Droulias, S; Yannopapas, V	Broad-Band Giant Circular Dichroism in Metamaterials of Twisted Chains of Metallic Nanoparticles	JOURNAL OF PHYSICAL CHEMISTRY C	117	2	1130	1135		2013
290	Skaftouros, S; Ozdogan, K; Sasioglu, E; Galanakis, I	Search for spin gapless semiconductors: The case of inverse Heusler compounds	APPLIED PHYSICS LETTERS	102	2			22402	2013
291	Pappas, SD; Grammatikopoulos, S; Pouloupoulos, P; Trachylis, D; Velgakis, MJ; Meletis, EI; Schommers, W; Politis, C	Growth, Structure and Optical Properties of CuNi-oxide Films for Nanophotonics and Photovoltaics	JOURNAL OF NANO RESEARCH	25		61	66		2013
292	Kalosakas, G; Spanou, E	Distance dependence of hole transfer rates from G radical cations to GGG traps in DNA	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	15	37	15339	15346		2013
293	Peroukidis, SD; Vanakaras, AG	Phase diagram of hard board-like colloids from computer simulations	SOFT MATTER	9	31	7419	7423		2013

294	Azizian-Kalandaragh, Y; Khodayari, A; Zeng, ZP; Garoufalidis, CS; Baskoutas, S; Gontard, LC	Strong quantum confinement effects in SnS nanocrystals produced by ultrasound-assisted method	JOURNAL OF NANOPARTICLE RESEARCH	15	1			1388	2013
295	Pontikopoulos, PL; Psarras, GC	Dynamic Percolation and Dielectric Response in Multiwall Carbon Nanotubes/Poly(ethylene oxide) Composites	SCIENCE OF ADVANCED MATERIALS	5	1	14	20		2013
296	Bouropoulos, N	Formation and Characterization of ZnO Nanoparticles in the Ionic Liquid 1-Butyl-3-Methylimidazolium Chloride	SCIENCE OF ADVANCED MATERIALS	5	1	46	50		2013
297	Tapeinos, C; Efthimiadou, EK; Boukos, N; Charitidis, CA; Koklioti, M; Kordas, G	Microspheres as therapeutic delivery agents: synthesis and biological evaluation of pH responsiveness	JOURNAL OF MATERIALS CHEMISTRY B	1	2	194	203		2013
298	Ravani, F; Papagelis, K; Dracopoulos, V; Parthenios, J; Dassios, KG; Siokou, A; Galiotis, C	Graphene production by dissociation of camphor molecules on nickel substrate	THIN SOLID FILMS	527		31	37		2013
299	Androvitsaneas, P; Fytas, NG; Paspalakis, E; Terzis, AF	Quantum Monte Carlo simulations revisited: The case of anisotropic Heisenberg chains	PHILOSOPHICAL MAGAZINE	92	36	4649	4656		2012
300	Baskoutas, S; Zeng, ZP; Garoufalidis, CS; Bester, G	Tuning of the Optical Emission Polarization of ZnO Nanorods by an Applied Hydrostatic Pressure	JOURNAL OF PHYSICAL CHEMISTRY C	116	50	26592	26597		2012
301	Kallos, E; Chremmos, I; Yannopoulos, V	Resonance properties of optical all-dielectric metamaterials using two-dimensional multipole expansion	PHYSICAL REVIEW B	86	24			245108	2012
302	Terzis, AF; Androvitsaneas, P; Paspalakis, E	Thermal quantum discord and classical correlations in a two-qubit Ising model under a site-dependent magnetic field	QUANTUM INFORMATION PROCESSING	11	6	1931	1950		2012

303	Bourlinos, AB; Bakandritsos, A; Kouloumpis, A; Gournis, D; Krysmann, M; Giannelis, EP; Polakova, K; Safarova, K; Hola, K; Zboril, R	Gd(III)-doped carbon dots as a dual fluorescent-MRI probe	JOURNAL OF MATERIALS CHEMISTRY	22	44	23327	23330		2012
304	Yannopapas, V	Topological photonic bands in two-dimensional networks of metamaterial elements	NEW JOURNAL OF PHYSICS	14				113017	2012
305	Evangelou, S; Yannopapas, V; Paspalakis, E	Transparency and slow light in a four-level quantum system near a plasmonic nanostructure	PHYSICAL REVIEW A	86	5			53811	2012
306	Kosionis, SG; Terzis, AF; Yannopapas, V; Paspalakis, E	Nonlocal Effects in Energy Absorption of Coupled Quantum Dot-Metal Nanoparticle Systems	JOURNAL OF PHYSICAL CHEMISTRY C	116	44	23663	23670		2012
307	Khayyat, SA; Abaker, M; Umar, A; Alkattan, MO; Alharbi, ND; Baskoutas, S	Synthesis and Characterizations of Cd-Doped ZnO Multipods for Environmental Remediation Application	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	12	11	8453	8458		2012
308	Papavasiliou, J; Avgouropoulos, G; Ioannides, T	CuMnOx catalysts for internal reforming methanol fuel cells: Application aspects	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	37	21	16739	16747		2012
309	Kyrimi, V; Kallos, E; Sigalas, MM	On the Sensitivity of Practical Electromagnetic Ground Plane Cloaks	IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION	60	11	5460	5463		2012
310	Sgouros, A; Sigalas, MM; Kalosakas, G; Papagelis, K; Papanicolaou, NI	Phononic band gap engineering in graphene	JOURNAL OF APPLIED PHYSICS	112	9			94307	2012
311	Katsamenis, OL; Karoutsos, V; Kontostanos, K; Panagiotopoulos, EC; Papadaki, H; Bouropoulos, N	Microstructural characterization of CPPD and hydroxyapatite crystal depositions on human menisci	CRYSTAL RESEARCH AND TECHNOLOGY	47	11	1201	1209		2012
312	Galanakis, I; Sasioglu, E	Ab-initio calculation of effective exchange interactions, spin waves, and Curie temperature in L2(1)- and L1(2)-type local moment ferromagnets	JOURNAL OF MATERIALS SCIENCE	47	21	7678	7685		2012

313	Galanakis, I; Ozdogan, K; Sasioglu, E	Half-metallic antiferromagnetism in Cr_{2+x}Se ($0 \leq x \leq 1$): A first-principles study	PHYSICAL REVIEW B	86	13			134427	2012
314	Athanasekos, L; Vasileiadis, M; Mantzaridis, C; Karoutsos, VC; Koutselas, I; Pispas, S; Vainos, NA	Micro-fabrication by laser radiation forces: A direct route to reversible free-standing three-dimensional structures	OPTICS EXPRESS	20	22	24735	24740		2012
315	Kaproulias, S; Sigalas, MM	On the sensitivity of the 2D electromagnetic invisibility cloak	PHYSICA B-CONDENSED MATTER	407	20	4078	4080		2012
316	Kosionis, SG; Terzis, AF; Paspalakis, E	Transient effects of pump-probe optical response in intersubband transitions of semiconductor quantum wells	JOURNAL OF APPLIED PHYSICS	112	7			73117	2012
317	Dar, GN; Umar, A; Zaidi, SA; Ibrahim, AA; Abaker, M; Baskoutas, S; Al-Assiri, MS	Ce-doped ZnO nanorods for the detection of hazardous chemical	SENSORS AND ACTUATORS B-CHEMICAL	173		72	78		2012
318	Kalampounias, AG; Nasikas, NK; Pontikes, Y; Papatheodorou, GN	Thermal properties of calcium aluminate $x\text{CaO}-(1-x)\text{Al}_2\text{O}_3$ glasses	PHYSICS AND CHEMISTRY OF GLASSES-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART B	53	5	205	209		2012
319	Kallos, E; Yannopoulos, V; Photinos, DJ	Enhanced light absorption using optical diodes based on cholesteric liquid crystals	OPTICAL MATERIALS EXPRESS	2	10	1449	1461		2012
320	Calo, G; Alexandropoulos, D; Petruzzelli, V	Active Photonic Band-Gap Switch Based on GaInNAs Multi-quantum Well	IEEE PHOTONICS JOURNAL	4	5	1936	1946		2012
321	Sfaelou, S; Antoniadou, M; Trakakis, G; Dracopoulos, V; Tasis, D; Parthenios, J; Galiotis, C; Papagelis, K; Lianos, P	Buckypaper as Pt-free cathode electrode in photoactivated fuel cells	ELECTROCHIMICA ACTA	80		399	404		2012

322	Koukaras, EN; Zdetsis, AD; Sigalas, MM	Ab Initio Study of Magnesium and Magnesium Hydride Nanoclusters and Nanocrystals: Examining Optimal Structures and Compositions for Efficient Hydrogen Storage	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	134	38	15914	15922		2012
323	Zeng, ZP; Garoufalos, CS; Baskoutas, S; Terzis, AF	Tuning the binding energy of surface impurities in cylindrical GaAs/AlGaAs quantum dots by a tilted magnetic field	JOURNAL OF APPLIED PHYSICS	112	6			64326	2012
324	Asimakopoulos, I; Zoumpoulakis, L; Psarras, GC	Development and characterization of a novolac resin/BaTiO ₃ nanoparticles composite system	JOURNAL OF APPLIED POLYMER SCIENCE	125	5	3737	3744		2012
325	Zeng, Z; Garoufalos, CS; Baskoutas, S; Terzis, AF	Stark effect of donor binding energy in a self-assembled GaAs quantum dot subjected to a tilted electric field	PHYSICS LETTERS A	376	42-43	2712	2716		2012
326	Pappas, SD; Kapaklis, V; Delimitis, A; Jonsson, PE; Papaioannou, ET; Pouloupoulos, P; Fumagalli, P; Trachylis, D; Velgakis, MJ; Politis, C	Layering and temperature-dependent magnetization and anisotropy of naturally produced Ni/NiO multilayers	JOURNAL OF APPLIED PHYSICS	112	5			53918	2012
327	Avgouropoulos, G; Neophytides, SG	Performance of internal reforming methanol fuel cell under various methanol/water concentrations	JOURNAL OF APPLIED ELECTROCHEMISTRY	42	9	719	726		2012
328	Bourlinos, AB; Georgakilas, V; Bakandritsos, A; Kouloumpis, A; Gournis, D; Zboril, R	Aqueous-dispersible fullerol-carbon nanotube hybrids	MATERIALS LETTERS	82		48	50		2012
329	Dassios, KG; Galiotis, C	Polymer-nanotube interaction in MWCNT/poly(vinyl alcohol) composite mats	CARBON	50	11	4291	4294		2012

330	Patsidis, AC; Kalaitzidou, K; Psarras, GC	Dielectric response, functionality and energy storage in epoxy nanocomposites: Barium titanate vs exfoliated graphite nanoplatelets	MATERIALS CHEMISTRY AND PHYSICS	135	2-Μαρ	798	805		2012
331	Bourlinos, AB; Bakandritsos, A; Liaros, N; Couris, S; Safarova, K; Otyepka, M; Zboril, R	Water dispersible functionalized graphene fluoride with significant nonlinear optical response	CHEMICAL PHYSICS LETTERS	543		101	105		2012
332	Bakandritsos, A; Papagiannopoulos, A; Anagnostou, EN; Avgoustakis, K; Zboril, R; Pispas, S; Tucek, J; Ryukhtin, V; Bouropoulos, N; Kolokithas-Ntoukas, A; Steriotis, TA; Keiderling, U; Winnefeld, F	Merging High Doxorubicin Loading with Pronounced Magnetic Response and Bio-repellent Properties in Hybrid Drug Nanocarriers	SMALL	8	15	2381	2393		2012
333	Abaker, M; Dar, GN; Umar, A; Zaidi, SA; Ibrahim, AA; Baskoutas, S; Al-Hajry, A	CuO Nanocubes Based Highly-Sensitive 4-Nitrophenol Chemical Sensor	SCIENCE OF ADVANCED MATERIALS	4	8	893	900		2012
334	Yannopapas, V	Non-reciprocal photonic bands in a two-dimensional holey metal filled with a magnetoelectric material	JOURNAL OF OPTICS	14	8			85105	2012
335	Adams, MJ; Alexandropoulos, D	Analysis of Quantum-Dot Spin-VCSELS	IEEE PHOTONICS JOURNAL	4	4	1124	1132		2012
336	Dimos, K; Antoniou, MK; Meichanetzoglou, A; Lymperopoulou, S; Ouzouni, MD; Koutselas, IB; Fokas, D; Karakassides, MA; Agostino, RG; Gournis, D	Naphthalene-based periodic nanoporous organosilicas: I. Synthesis and structural characterization	MICROPOROUS AND MESOPOROUS MATERIALS	158		324	331		2012
337	Antoniou, MK; Policicchio, A; Dimos, K; Gournis, D; Karakassides, MA; Agostino, RG	Naphthalene-based periodic nanoporous organosilicas: II. Hydrogen and methane adsorption and physicochemical study	MICROPOROUS AND MESOPOROUS MATERIALS	158		332	338		2012
338	Yannopapas, V; Psarobas, IE	Ordered Arrays of Metal Nanostrings as Broadband Super Absorbers	JOURNAL OF PHYSICAL CHEMISTRY C	116	29	15599	15603		2012

339	Markos, C; Yannopoulos, SN; Vlachos, K	Chalcogenide glass layers in silica photonic crystal fibers	OPTICS EXPRESS	20	14	14814	14824		2012
340	Dassios, KG; Musso, S; Galiotis, C	Compressive behavior of MWCNT/epoxy composite mats (vol 72, pg 1027, 2012)	COMPOSITES SCIENCE AND TECHNOLOGY	72	11	1310	1310		2012
341	Aravantinos-Zafirios, N; Sigalas, MM	Bandgaps in phononic strip waveguides	JOURNAL OF APPLIED PHYSICS	111	12			123516	2012
342	Zeng, ZP; Garoufalos, CS; Baskoutas, S	Combination effects of tilted electric and magnetic fields on donor binding energy in a GaAs/AlGaAs cylindrical quantum dot	JOURNAL OF PHYSICS D-APPLIED PHYSICS	45	23			235102	2012
343	Ozdogan, K; Sasioglu, E; Galanakis, I	Robustness and stability of half-metallic ferromagnetism in alkaline-earth metal mononitrides against doping and deformation	JOURNAL OF APPLIED PHYSICS	111	11			113918	2012
344	Kominis, Y; Droulias, S; Papagiannis, P; Hizanidis, K	Gain-controlled dissipative soliton routing in optical lattices	PHYSICAL REVIEW A	85	6			63801	2012
345	Yannopoulos, V	Photonic nanojets as three-dimensional optical atom traps: A theoretical study	OPTICS COMMUNICATIONS	285	12	2952	2955		2012
346	Krokidas, PG; Nikolakis, V; Burganos, VN	Heating and sorption effects on silicalite-1 unit cell size and geometry	MICROPOROUS AND MESOPOROUS MATERIALS	155		65	70		2012
347	Pouloupoulos, P; Lewitz, B; Straub, A; Pappas, SD; Droulias, SA; Baskoutas, S; Fumagalli, P	Band-gap tuning at the strong quantum confinement regime in magnetic semiconductor EuS thin films	APPLIED PHYSICS LETTERS	100	21			211910	2012
348	Dassios, KG; Musso, S; Galiotis, C	Compressive behavior of MWCNT/epoxy composite mats	COMPOSITES SCIENCE AND TECHNOLOGY	72	9	1027	1033		2012
349	Alexandropoulos, D; Al-Seyab, R; Henning, I; Adams, M	Instabilities in quantum-dot spin-VCSLS	OPTICS LETTERS	37	10	1700	1702		2012

350	Ibrahim, AA; Dar, GN; Zaidi, SA; Umar, A; Abaker, M; Bouzid, H; Baskoutas, S	Growth and properties of Ag-doped ZnO nanoflowers for highly sensitive phenyl hydrazine chemical sensor application	TALANTA	93		257	263		2012
351	Sigalas, MM; Koukaras, EN	Phononic bandgaps in graphene-based materials	APPLIED PHYSICS LETTERS	100	20			203109	2012
352	Angelopoulou, A; Efthimiadou, EK; Kordas, G	Dextran modified pH sensitive silica hydro-xerogels as promising drug delivery scaffolds	MATERIALS LETTERS	74		50	53		2012
353	Tantis, I; Psarras, GC; Tasis, D	Functionalized graphene - poly(vinyl alcohol) nanocomposites: Physical and dielectric properties	EXPRESS POLYMER LETTERS	6	4	283	292		2012
354	Karoutsos, V; Toudas, M; Delimitis, A; Grammatikopoulos, S; Poulopoulos, P	Microstructural evolution in nanostructured gold films	THIN SOLID FILMS	520	11	4074	4079		2012
355	Nasikas, NK; Edwards, TG; Sen, S; Papatheodorou, GN	Structural Characteristics of Novel Ca-Mg Orthosilicate and Suborthosilicate Glasses: Results from Si-29 and O-17 NMR Spectroscopy	JOURNAL OF PHYSICAL CHEMISTRY B	116	9	2696	2702		2012
356	Yannopapas, V; Psarobas, IE	Lasing action in multilayers of alternating monolayers of metallic nanoparticles and dielectric slabs with gain	JOURNAL OF OPTICS	14	3			35101	2012
357	Bouropoulos, N; Katsamenis, OL; Cox, PA; Norman, S; Kallinteri, P; Favretto, ME; Yannopoulos, SN; Bakandritsos, A; Fatouros, DG	Probing the Perturbation of Lecithin Bilayers by Unmodified C-60 Fullerenes Using Experimental Methods and Computational Simulations	JOURNAL OF PHYSICAL CHEMISTRY C	116	6	3867	3874		2012
358	Frank, O; Bousa, M; Riaz, I; Jalil, R; Novoselov, KS; Tsoukleri, G; Parthenios, J; Kavan, L; Papangelis, K; Galiotis, C	Phonon and Structural Changes in Deformed Bernal Stacked Bilayer Graphene	NANO LETTERS	12	2	687	693		2012

359	Androvitsaneas, P; Paspalakis, E; Terzis, AF	A quantum Monte Carlo study of the localizable entanglement in anisotropic ferromagnetic Heisenberg chains	ANNALS OF PHYSICS	327	2	212	223		2012
360	Dar, GN; Umar, A; Zaidi, SA; Baskoutas, S; Hwang, SW; Abaker, M; Al-Hajry, A; Al-Sayari, SA	Ultra-high sensitive ammonia chemical sensor based on ZnO nanopencils	TALANTA	89		155	161		2012
361	Thanopoulos, I; Paspalakis, E; Yannopoulos, V	Plasmon-induced enhancement of nonlinear optical rectification in organic materials	PHYSICAL REVIEW B	85	3			35111	2012
362	Dimos, K; Jankovic, L; Koutselas, IB; Karakassides, MA; Zboril, R; Komadel, P	Low-Temperature Synthesis and Characterization of Gallium Nitride Quantum Dots in Ordered Mesoporous Silica	JOURNAL OF PHYSICAL CHEMISTRY C	116	1	1185	1194		2012
363	Bourlinos, AB; Zboril, R; Petr, J; Bakandritsos, A; Krysmann, M; Giannelis, EP	Luminescent Surface Quaternized Carbon Dots	CHEMISTRY OF MATERIALS	24	1	6	8		2012
364	Peroukidis, SD	Entropy driven polymorphism in liquids and mesophases consisting of three block amphiphilic molecules	SOFT MATTER	8	43	11062	11071		2012
365	Papavassiliou, GC; Pagona, G; Karousis, N; Mousdis, GA; Koutselas, I; Vassilakopoulou, A	Nanocrystalline/microcrystalline materials based on lead-halide units	JOURNAL OF MATERIALS CHEMISTRY	22	17	8271	8280		2012
366	Rozic, B; Karatairi, E; Nounesis, G; Tzitzios, V; Cordoyiannis, G; Kralj, S; Kutnjak, Z	Impact of Surface-Functionalized CdSe Nanoparticles on Phase Transitions of 8CB And CE8 Liquid Crystals	MOLECULAR CRYSTALS AND LIQUID CRYSTALS	553		161	167		2012
367	Delimitis, A; Pappas, SD; Grammatikopoulos, S; Pouloupoulos, P; Kapaklis, V; Trachylis, D; Politis, C	Microstructural Investigation of SiOx Thin Films Grown by Reactive Sputtering on (001) Si Substrates	JOURNAL OF NANO RESEARCH	17		147	156		2012
368	Kaproulias, S; Sigalas, MM	Whispering gallery modes for elastic waves in disk resonators	AIP ADVANCES	1	4			41902	2011

369	Dar, GN; Umar, A; Zaidi, SA; Baskoutas, S; Kim, SH; Abaker, M; Al-Hajry, A; Al-Sayari, SA	Fabrication of Highly Sensitive Non-Enzymatic Glucose Biosensor Based on ZnO Nanorods	SCIENCE OF ADVANCED MATERIALS	3	6	901	906		2011
370	Psarras, GC; Siengchin, S; Karahaliou, PK; Georga, SN; Krontiras, CA; Karger-Kocsis, J	Dielectric relaxation phenomena and dynamics in polyoxymethylene/polyurethane/alumina hybrid nanocomposites	POLYMER INTERNATIONAL	60	12	1715	1721		2011
371	Psarras, GC	Smart polymer systems: a journey from imagination to applications	EXPRESS POLYMER LETTERS	5	12	1027	1027		2011
372	Yannopoulos, V	Gapless surface states in a lattice of coupled cavities: A photonic analog of topological crystalline insulators	PHYSICAL REVIEW B	84	19			195126	2011
373	Garoufalis, CS	Oxygen Terminated Goldberg Type Si Quantum Dots as Candidates for Stable Si Fullerene-Like Cages	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	8	11	2279	2284		2011
374	Baskoutas, S; Garoufalis, C; Terzis, AF	Linear and nonlinear optical absorption coefficients in inverse parabolic quantum wells under static external electric field	EUROPEAN PHYSICAL JOURNAL B	84	2	241	247		2011
375	Baikousi, M; Kostoula, O; Panagiotopoulos, I; Bakas, T; Douvalis, AP; Koutselas, I; Bourlinos, AB; Karakassides, MA	Magnetic/SiO ₂ nanocomposite thin films prepared by sol-gel dip coating modified method	THIN SOLID FILMS	520	1	159	165		2011
376	Abaker, M; Umar, A; Baskoutas, S; Dar, GN; Zaidi, SA; Al-Sayari, SA; Al-Hajry, A; Kim, SH; Hwang, SW	A highly sensitive ammonia chemical sensor based on alpha-Fe ₂ O ₃ nanoellipsoids	JOURNAL OF PHYSICS D-APPLIED PHYSICS	44	42			425401	2011
377	Andrikopoulos, KS; Arvanitidis, J; Dracopoulos, V; Christofilos, D; Wagner, T; Yannopoulos, SN	Nanoindentation and Raman studies of phase-separated Ag-As-S glasses	APPLIED PHYSICS LETTERS	99	17			171911	2011

378	Fotopoulos, A; Arvanitidis, J; Christofilos, D; Papaggelis, K; Kalyva, M; Triantafyllidis, K; Niarchos, D; Boukos, N; Basina, G; Tzitzios, V	One Pot Synthesis and Characterization of Ultra Fine CeO(2) and Cu/CeO(2) Nanoparticles. Application for Low Temperature CO Oxidation	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	11	10	8593	8598		2011
379	Hawke, LGD; Kalosakas, G; Simserides, C	Electronic parameters for charge transfer along DNA (vol 32, pg 291, 2010)	EUROPEAN PHYSICAL JOURNAL E	34	10			118	2011
380	Ozdogan, K; Galanakis, I	Effect of order on the half-metallic gap in Heusler compounds	JOURNAL OF APPLIED PHYSICS	110	7			76101	2011
381	Al-Seyab, R; Alexandropoulos, D; Henning, ID; Adams, MJ	Instabilities in Spin-Polarized Vertical-Cavity Surface-Emitting Lasers	IEEE PHOTONICS JOURNAL	3	5	799	809		2011
382	Siokou, A; Ravani, F; Karakalos, S; Frank, O; Kalbac, M; Galiotis, C	Surface refinement and electronic properties of graphene layers grown on copper substrate: An XPS, UPS and EELS study	APPLIED SURFACE SCIENCE	257	23	9785	9790		2011
383	Kohoutek, T; Yan, X; Shiosaka, TW; Yannopoulos, SN; Chrissanthopoulos, A; Suzuki, T; Ohishi, Y	Enhanced Raman gain of Ge-Ga-Sb-S chalcogenide glass for highly nonlinear microstructured optical fibers	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS	28	9	2284	2290		2011
384	Kalampounias, AG; Nasikas, NK; Papatheodorou, GN	Structural investigations of the $x\text{TeO}_2-(1-x)\text{GeO}_2$ ($x=0, 0.2, 0.4, 0.6, 0.8$ and 1) tellurite glasses: A composition dependent Raman spectroscopic study	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	72	9	1052	1056		2011
385	Skaltsas, T; Avgouropoulos, G; Tasis, D	Impact of the fabrication method on the physicochemical properties of carbon nanotube-based aerogels	MICROPOROUS AND MESOPOROUS MATERIALS	143	2-Map	451	457		2011

386	Koumpouras, K; Galanakis, I	Ab-initio study of competing magnetic configurations in cubic BiFeO ₃ alloys	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	323	17	2328	2333		2011
387	Yannopoulos, V; Vanakaras, AG	Layer-multiple-scattering theory for metamaterials made from clusters of nanoparticles	PHYSICAL REVIEW B	84	8			85119	2011
388	Nasikas, NK; Chrissanthopoulos, A; Bouropoulos, N; Sen, S; Papatheodorou, GN	Silicate Glasses at the Ionic Limit: Alkaline-Earth Sub-Orthosilicates	CHEMISTRY OF MATERIALS	23	16	3692	3697		2011
389	Baskoutas, S; Bester, G	Transition in the Optical Emission Polarization of ZnO Nanorods	JOURNAL OF PHYSICAL CHEMISTRY C	115	32	15862	15867		2011
390	Lagos, N; Sigalas, MM; Lidorikis, E	Theory of plasmonic near-field enhanced absorption in solar cells	APPLIED PHYSICS LETTERS	99	6			63304	2011
391	Poulopoulos, P; Baskoutas, S; Pappas, SD; Garoufalidis, CS; Droulias, SA; Zamani, A; Kapaklis, V	Intense Quantum Confinement Effects in Cu ₂ O Thin Films	JOURNAL OF PHYSICAL CHEMISTRY C	115	30	14839	14843		2011
392	Nasikas, NK; Drakopoulos, V; Sen, S; Papatheodorou, GN	Vibrational modes and the boson peak of Y ₂ O ₃ -Al ₂ O ₃ glasses	PHYSICS AND CHEMISTRY OF GLASSES-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART B	52	4	143	151		2011
393	Galanakis, I; Sasioglu, E	High T-C half-metallic fully-compensated ferrimagnetic Heusler compounds	APPLIED PHYSICS LETTERS	99	5			52509	2011
394	Laref, A; Sasioglu, E; Galanakis, I	Exchange interactions, spin waves, and Curie temperature in zincblende half-metallic sp-electron ferromagnets: the case of CaZ (Z = N, P, As, Sb)	JOURNAL OF PHYSICS-CONDENSED MATTER	23	29			296001	2011

395	Peroukidis, SD; Vanakaras, AG; Photinos, DJ	Molecular simulation of hierarchical structures in bent-core nematic liquid crystals	PHYSICAL REVIEW E	84	1			10702	2011
396	Yannopoulos, V; Vanakaras, A	Dirac point in the photon dispersion relation of a negative/zero/positive-index plasmonic metamaterial	PHYSICAL REVIEW B	84	4			45128	2011
397	Kapaklis, V; Korelis, PT; Hjorvarsson, B; Vlachos, A; Galanakis, I; Pouloupoulos, P; Ozdogan, K; Angelakeris, M; Wilhelm, F; Rogalev, A	Violation of Hund's third rule in structurally disordered ferromagnets	PHYSICAL REVIEW B	84	2			24411	2011
398	Kallos, E; Argyropoulos, C; Hao, Y; Alu, A	Comparison of frequency responses of cloaking devices under nonmonochromatic illumination	PHYSICAL REVIEW B	84	4			45102	2011
399	Kosionis, SG; Terzis, AF; Paspalakis, E	Pump-probe optical response and four-wave mixing in intersubband transitions of a semiconductor quantum well	APPLIED PHYSICS B-LASERS AND OPTICS	104	1	33	43		2011
400	Moraitis, G; Spitalsky, Z; Ravani, F; Siokou, A; Galiotis, C	Electrochemical oxidation of multi-wall carbon nanotubes	CARBON	49	8	2702	2708		2011
401	Fytas, NG; Theodorakis, PE	Analysis of the static properties of cluster formations in symmetric linear multiblock copolymers	JOURNAL OF PHYSICS-CONDENSED MATTER	23	23			235106	2011
402	Galanakis, I; Sasioglu, E	Variation of the magnetic properties of Ni ₂ MnGa Heusler alloy upon tetragonalization: a first-principles study	JOURNAL OF PHYSICS D-APPLIED PHYSICS	44	23			235001	2011
403	Nasikas, NK; Sen, S; Papatheodorou, GN	Structural Nature of Polyamorphism in Y ₂ O ₃ -Al ₂ O ₃ Glasses	CHEMISTRY OF MATERIALS	23	11	2860	2868		2011
404	Galanakis, I; Sasioglu, E	Stability of ferromagnetism against doping in half-metallic alloys	JOURNAL OF APPLIED PHYSICS	109	11			113912	2011

405	Evangelou, S; Yannopapas, V; Paspalakis, E	Simulating quantum interference in spontaneous decay near plasmonic nanostructures: Population dynamics	PHYSICAL REVIEW A	83	5			55805	2011
406	Khachadorian, S; Papagelis, K; Scheel, H; Colli, A; Ferrari, AC; Thomsen, C	High pressure Raman scattering of silicon nanowires	NANOTECHNOLOGY	22	19			195707	2011
407	Muhlig, S; Rockstuhl, C; Yannopapas, V; Burgi, T; Shalkevich, N; Lederer, F	Optical properties of a fabricated self-assembled bottom-up bulk metamaterial	OPTICS EXPRESS	19	10	9607	9616		2011
408	Koutselas, I; Bampoulis, P; Maratou, E; Evagelinou, T; Pagona, G; Papavassiliou, GC	Some Unconventional Organic-Inorganic Hybrid Low-Dimensional Semiconductors and Related Light-Emitting Devices	JOURNAL OF PHYSICAL CHEMISTRY C	115	17	8475	8483		2011
409	Theodorakis, PE; Fytas, NG	Wang-Landau study of the 3D Ising model with bond disorder	EUROPEAN PHYSICAL JOURNAL B	81	2	245	251		2011
410	Calo, G; Alexandropoulos, D; D'Orazio, A; Petruzzelli, V	Wavelength selective switching in dilute nitrides multi quantum well photonic band gap waveguides	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	248	5	1212	1215		2011
411	Bakandritsos, A; Mattheolabakis, G; Chatzikyriakos, G; Szabo, T; Tzitzios, V; Kouzoudis, D; Couris, S; Avgoustakis, K	Doxorubicin Nanocarriers Based on Magnetic Colloids with a Bio-polyelectrolyte Corona and High Non-linear Optical Response: Synthesis, Characterization, and Properties	ADVANCED FUNCTIONAL MATERIALS	21	8	1465	1475		2011
412	Abaker, M; Umar, A; Baskoutas, S; Kim, SH; Hwang, SW	Structural and optical properties of CuO layered hexagonal discs synthesized by a low-temperature hydrothermal process	JOURNAL OF PHYSICS D-APPLIED PHYSICS	44	15			155405	2011
413	Kosionis, SG; Terzis, AF; Paspalakis, E	Kerr nonlinearity in a driven two-subband system in a semiconductor quantum well	JOURNAL OF APPLIED PHYSICS	109	8			84312	2011

414	Vainos, NA; Paspalakis, E; Sigalas, MM; Couris, S; Pissadakis, S	Special issue on "Emerging Trends and Novel Materials in Photonics" Preface	PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS	9	2	109	110		2011
415	Chrissanthopoulos, A; Baskoutas, S; Bouropoulos, N; Dracopoulos, V; Pouloupoulos, P; Yannopoulos, SN	Synthesis and characterization of ZnO/NiO p-n heterojunctions: ZnO nanorods grown on NiO thin film by thermal evaporation	PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS	9	2	132	139		2011
416	Lagos, N; Sigalas, MM; Niarchos, D	The optical absorption of nanowire arrays	PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS	9	2	163	167		2011
417	Evangelou, S; Paspalakis, E	Pulsed four-wave mixing in intersubband transitions of a symmetric semiconductor quantum well	PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS	9	2	168	173		2011
418	Yannopoulos, V; Vitanov, NV	Coherent control of surface exciton-polaritons in collections of semiconductor nanoparticles: A theoretical study	PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS	9	2	196	200		2011
419	Umar, A; Abaker, M; Faisal, M; Hwang, SW; Baskoutas, S; Al-Sayari, SA	High-Yield Synthesis of Well-Crystalline alpha-Fe2O3 Nanoparticles: Structural, Optical and Photocatalytic Properties	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	11	4	3474	3480		2011
420	Pappas, SD; Grammatikopoulos, S; Pouloupoulos, P; Kapaklis, V; Delimitis, A; Trachylis, D; Politis, C	A Cost-Effective Growth of SiOx Thin Films by Reactive Sputtering: Photoluminescence Tuning	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	11	4	3684	3687		2011
421	Lagos, N; Sigalas, MM	Single particle detection in a system of two microdisks	SENSORS AND ACTUATORS B-CHEMICAL	153	1	252	255		2011
422	Thanopoulos, I; Paspalakis, E; Yannopoulos, V	Enhancement of Ultraviolet Photoinduced Energy Transfer Near Plasmonic Nanostructures	JOURNAL OF PHYSICAL CHEMISTRY C	115	11	4370	4374		2011

423	Kosionis, SG; Terzis, AF; Simserides, C; Paspalakis, E	Intrinsic optical bistability in a two-subband system in a semiconductor quantum well: Analytical results	JOURNAL OF APPLIED PHYSICS	109	6			63109	2011
424	Yannopapas, V	Photonic analog of a spin-polarized system with Rashba spin-orbit coupling	PHYSICAL REVIEW B	83	11			113101	2011
425	Galanakis, I; Sasioglu, E	Structural-induced antiferromagnetism in Mn-based full Heusler alloys: The case of Ni ₂ MnAl	APPLIED PHYSICS LETTERS	98	10			102514	2011
426	Frank, O; Mohr, M; Maultzsch, J; Thomsen, C; Riaz, I; Jalil, R; Novoselov, KS; Tsoukleri, G; Parthenios, J; Papagelis, K; Kavan, L; Galiotis, C	Raman 2D-Band Splitting in Graphene: Theory and Experiment	ACS NANO	5	3	2231	2239		2011
427	Frank, O; Tsoukleri, G; Riaz, I; Papagelis, K; Parthenios, J; Ferrari, AC; Geim, AK; Novoselov, KS; Galiotis, C	Development of a universal stress sensor for graphene and carbon fibres	NATURE COMMUNICATIONS	2				255	2011
428	Evangelou, S; Yannopapas, V; Paspalakis, E	Modifying free-space spontaneous emission near a plasmonic nanostructure	PHYSICAL REVIEW A	83	2			23819	2011
429	Linardatos, G; Tsoukleri, G; Parthenios, J; Galiotis, C; Monticelli, O; Russo, S; Tsitsilianis, C	Nanostructured Heteroarm Star Block Terpolymers via an Extension of the "In-Out" Polymerization Route	MACROMOLECULAR RAPID COMMUNICATIONS	32	4	371	377		2011
430	Davar, F; Salavati-Niasari, M; Baskoutas, S	Temperature controlled synthesis of SrCO ₃ nanorods via a facile solid-state decomposition rout starting from a novel inorganic precursor	APPLIED SURFACE SCIENCE	257	9	3872	3877		2011
431	Astuti, Y; Topoglidis, E; Durrant, JR	Use of microperoxidase-11 to functionalize tin dioxide electrodes for the optical and electrochemical sensing of hydrogen peroxide	ANALYTICA CHIMICA ACTA	686	1-Φεβ	126	132		2011

432	Tsaousidou, M	Phonon-drag thermopower of ballistic semiconducting single-wall carbon nanotubes and comparison with the semiclassical result	EPL	93	4			47010	2011
433	Nazar, H; Fatouros, DG; van der Merwe, SM; Bouropoulos, N; Avgouropoulos, G; Tsibouklis, J; Roldo, M	Thermosensitive hydrogels for nasal drug delivery: The formulation and characterisation of systems based on N-trimethyl chitosan chloride	EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS	77	2	225	232		2011
434	Theodorakis, PE; Fytas, NG	Phase behavior of symmetric linear multiblock copolymers	EPL	93	4			43001	2011
435	Rozic, B; Tzitzios, V; Karatairi, E; Tkalec, U; Nounesis, G; Kutnjak, Z; Cordoyiannis, G; Rosso, R; Virga, EG; Musevic, I; Kralj, S	Theoretical and experimental study of the nanoparticle-driven blue phase stabilisation	EUROPEAN PHYSICAL JOURNAL E	34	2			17	2011
436	Pappas, SD; Pouloupoulos, P; Kapaklis, V; Grammatikopoulos, S; Trachylis, D; Velgakis, MJ; Meletis, EI; Politis, C	Growth and Experimental Evidence of Quantum Confinement Effects in Cu ₂ O and CuO Thin Films	JOURNAL OF NANO RESEARCH	15		69	74		2011
437	Pouloupoulos, P; Pappas, SD; Kapaklis, V; Jonsson, PE; Papaioannou, ET; Delimitis, A; Trachylis, D; Velgakis, MJ; Meletis, EI; Politis, C	Growth and Magnetism of Natural Multilayers	JOURNAL OF NANO RESEARCH	15		95	103		2011
438	Dimogianopoulos, DG; Mouzakis, DE; Kouzoudis, D	Statistical damage diagnosis in smart systems via contact-free MetGlas (R) sensors and stochastic non-linear modelling of system output data	INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY	41	1-Αρτ	39	60		2011
439	Souliou, SM; Arvanitidis, J; Christofilos, D; Papagelis, K; Ves, S; Kourouklis, GA; Prassides, K; Iwasa, Y; Syassen, K	High-pressure Raman study of the Sm ₂ .75C ₆₀ fulleride	HIGH PRESSURE RESEARCH	31	1	13	17	PII 926684766	2011
440	Yannopapas, V	A hybrid layer-multiple-scattering/Fourier modal method for photonic structures based on lithographic and/or self-assembly techniques	JOURNAL OF MODERN OPTICS	58	5-louv	400	406		2011

441	Ioannou, G; Patsidis, A; Psarras, GC	Dielectric and functional properties of polymer matrix/ZnO/BaTiO3 hybrid composites	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	42	1	104	110		2011
442	Fytas, NG	Wang-Landau study of the triangular Blume-Capel ferromagnet	EUROPEAN PHYSICAL JOURNAL B	79	1	21	28		2011
443	Papagelis, K; Arvanitidis, J; Christofilos, D; Souliou, SM; Galiotis, C; Ves, S; Kourouklis, GA	High-pressure Raman study of stacked-cup carbon nanofibers	HIGH PRESSURE RESEARCH	31	1	131	135	PII 933539173	2011
444	Fatouros, DG; Power, K; Kadir, O; Dekany, I; Yannopoulos, SN; Bouropoulos, N; Bakandritsos, A; Antonijevic, MD; Zouganelis, GD; Roldo, M	Stabilisation of SWNTs by alkyl-sulfate chitosan derivatives of different molecular weight: towards the preparation of hybrids with anticoagulant properties	NANOSCALE	3	3	1218	1224		2011
445	Arvanitidis, J; Christofilos, D; Kourouklis, GA; Paloumpi, A; Papagelis, K; Ves, S; Iwasa, Y; Prassides, K	Raman spectroscopic study of the rare-earth fullerenes Eu6-xSrxC60	NANOSCALE	3	6	2490	2493		2011