

ΔΗΜΟΣΙΕΥΣΕΙΣ ΤΜΗΜΑΤΟΣ ΕΠΙΣΤΗΜΗΣ ΤΩΝ ΥΛΙΚΩΝ 2001-2010

A/A	AUTHORS	TITLE	JOURNAL	VOL.	ISSUE	PAGES		ARTICLE NUMBER	YEAR
1	Droulias, S; Vanakaras, AG; Photinos, DJ	Extending the Maier-Saupe theory to cybotactic nematics	LIQUID CRYSTALS	37	6-7	969	976	PII 923874123	2010
2	Tritsaris, GA; Vanakaras, AG	Two-Dimensional Ordered Porous Patterns by Molecular Design	LANGMUIR	26	11	7808	7812		2010
3	Tsaousidou, M	Theory of phonon-drag thermopower of extrinsic semiconducting single-wall carbon nanotubes and comparison with previous experimental data	PHYSICAL REVIEW B	81	23			235425	2010
4	Peroukidis, SD; Vanakaras, AG; Photinos, DJ	Liquid crystalline phases and demixing in binary mixtures of shape-anisometric colloids	JOURNAL OF MATERIALS CHEMISTRY	20	46	10495	10502		2010
5	Bouropoulos, N; Baskoutas, S	A Special Issue on Advanced Materials for Technological and Biomedical Applications	SCIENCE OF ADVANCED MATERIALS	2	2	115	116		2010
6	Yannopapas, V	Effect of material spatial dispersion in the degree of polarization of thermal radiation emitted by a spherical source	OPTICS COMMUNICATIONS	283	22	4494	4498		2010
7	Yannopapas, V; Paspalakis, E	Backward-propagating slow light in Mie resonance-based metamaterials	JOURNAL OF OPTICS	12	10			104017	2010

8	Baskoutas, S	A Special Section on Electronic Properties of Low Dimensional Systems	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	7	2	429	429		2010
9	Yannopapas, V	Enhancement of nonlinear susceptibilities near plasmonic metamaterials	OPTICS COMMUNICATIONS	283	8	1647	1649		2010
10	Spitalsky, Z; Tasis, D; Papagelis, K; Galiotis, C	Carbon nanotube-polymer composites: Chemistry, processing, mechanical and electrical properties	PROGRESS IN POLYMER SCIENCE	35	3	357	401		2010
11	Raptis, CG; Patsidis, A; Psarras, GC	Electrical response and functionality of polymer matrix-titanium carbide composites	EXPRESS POLYMER LETTERS	4	4	234	243		2010
12	Kazazis, S; Paspalakis, E	Effects of nonlinearity in asymmetric adiabatic three-waveguide directional couplers	JOURNAL OF MODERN OPTICS	57	21	2123	2129	PII 928647007	2010
13	Galanakis, I	Effect of Surfaces and Interfaces on the Electronic, Magnetic and Gap-Related Properties of the Half-Metal Co ₂ MnSn	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	7	2	474	478		2010
14	Triantafyllou, G; Psarras, GC	Probing the Reverse Martensitic Transformation in Constrained Shape Memory Alloys via Electrical Resistance	JOURNAL OF INTELLIGENT MATERIAL SYSTEMS AND STRUCTURES	21	10	975	981		2010
15	Fytas, NG; Theodorakis, PE	Universality in disordered systems: The case of the three-dimensional random-bond Ising model	PHYSICAL REVIEW E	82	6			62101	2010
16	Poulopoulos, P; Kapaklis, V; Pappas, SD; Trachylis, D; Politis, C	A Simple Cost-Effective Sputtering-Based Method for Micropatterning and Materials Microstructuring	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	10	9	6190	6194		2010

17	Tsaousidou, M; Triberis, GP	Thermoelectric properties of a weakly coupled quantum dot: enhanced thermoelectric efficiency	JOURNAL OF PHYSICS-CONDENSED MATTER	22	35			355304	2010
18	Karoutsos, V; Pouloupoulos, P; Kapaklis, V; Pappas, SD; Trachylis, D; Politis, C	Magnetic Force Microscopy on Nanocrystalline Co Films	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	10	9	6120	6127		2010
19	Vasileiadis, M; Alexandropoulos, D; Karoutsos, V; Athanasekos, L; Sigalas, M; Vainos, NA	Optimized design of remote point diffractive optical sensors	JOURNAL OF OPTICS	12	12			124016	2010
20	Hawke, LGD; Kalosakas, G; Simserides, C	Electronic parameters for charge transfer along DNA	EUROPEAN PHYSICAL JOURNAL E	32	3	291	305		2010
21	Yannopapas, V; Vitanov, NV	Neutralization of quantum stiction with interlocking arrays of gold nanopillars	PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS	4	1-2	19	21		2010
22	Yannopapas, V; Vitanov, NV	Casimir-Polder interaction between an atom and a periodic nanostructure	PHYSICAL REVIEW A	81	4			42506	2010
23	Paspalakis, E	Controlled Preparation of a Biexciton State in a Quantum Dot	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	7	9	1717	1722		2010
24	Vasileiadis, M; Athanasekos, L; Meristoudi, A; Alexandropoulos, D; Mousdis, G; Karoutsos, V; Botsialas, A; Vainos, NA	Diffractive optic sensor for remote-point detection of ammonia	OPTICS LETTERS	35	9	1476	1478		2010
25	Andriotis, O; Katsamenis, OL; Mouzakis, DE; Bouropoulos, N	Preparation and characterization of bioceramics produced from calcium phosphate cements	CRYSTAL RESEARCH AND TECHNOLOGY	45	3	239	243		2010
26	Galanakis, I; Lekkas, I	Effect of interfacial defects on the electronic and magnetic properties of epitaxial CrAs/InAs and CrAs/CdSe half-metallic multilayers	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	322	17	2471	2479		2010

27	Papagelis, K; Arvanitidis, J; Vinga, E; Christofilos, D; Kourouklis, GA; Kimura, H; Ves, S	Vibrational properties of (Gd _{1-x} Y _x) ₃ Ga ₅ O ₁₂ solid solutions	JOURNAL OF APPLIED PHYSICS	107	11			113504	2010
28	Poulopoulos, P; Kapaklis, V; Jonsson, PE; Papaioannou, ET; Delimitis, A; Pappas, SD; Trachylis, D; Politis, C	Positive surface and perpendicular magnetic anisotropy in natural nanomorphous Ni/NiO multilayers	APPLIED PHYSICS LETTERS	96	20			202503	2010
29	Athanasekos, L; Vasileiadis, M; Tsigara, A; Kaminska, E; Piotrowska, A; Alexandropoulos, D; Sigalas, MM; Vainos, NA	Multilayer metal/metal-oxide diffractive structure for photonic temperature sensing	OPTICS LETTERS	35	23	4003	4005		2010
30	Baskoutas, S; Bester, G	Conventional Optics from Unconventional Electronics in ZnO Quantum Dots	JOURNAL OF PHYSICAL CHEMISTRY C	114	20	9301	9307		2010
31	Trakakis, G; Galiotis, C	Development and testing of a self-deformed composite material	COMPOSITE STRUCTURES	92	2	306	311		2010
32	Paspalakis, E; Simserides, C; Terzis, AF	Control of intersubband quantum well transitions with chirped electromagnetic pulses	JOURNAL OF APPLIED PHYSICS	107	6			64306	2010
33	Fountoulakis, A; Terzis, AF; Paspalakis, E	All-optical modulation based on electromagnetically induced transparency	PHYSICS LETTERS A	374	33	3354	3364		2010
34	Tschierske, C; Photinos, DJ	Biaxial nematic phases	JOURNAL OF MATERIALS CHEMISTRY	20	21	4263	4294		2010
35	Chatzikyriakos, G; Iliopoulos, K; Bakandritsos, A; Couris, S	Nonlinear optical properties of aqueous dispersions of ferromagnetic gamma-Fe ₂ O ₃ nanoparticles	CHEMICAL PHYSICS LETTERS	493	4-6	314	318		2010
36	Zafiropoulou, I; Papagelis, K; Boukos, N; Siokou, A; Niarchos, D; Tzitzios, V	Chemical Synthesis and Self-Assembly of Hollow Ni/Ni ₂ P Hybrid Nanospheres	JOURNAL OF PHYSICAL CHEMISTRY C	114	17	7582	7585		2010

37	Angelakeris, M; Papaioannou, ET; Pouloupoulos, P; Kopsidis, M; Kalogirou, O; Flevaris, NK	Tuning the Perpendicular Magnetic Anisotropy of Co-Based Layers in Multilayered Systems	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	10	9	6082	6086		2010
38	Ozdogan, K; Sasioglu, E; Galanakis, I	Half-metallic ferrimagnetism in the [Sc _{1-x} V _x]C and [Sc _{1-x} V _x]Si alloys adopting the zincblende and wurtzite structures from first-principles	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	322	1	46	50		2010
39	Krokidas, PG; Skouras, ED; Nikolakis, V; Burganos, VN	Lattice Dynamics Simulation of Thermal Contraction of Faujasites	JOURNAL OF PHYSICAL CHEMISTRY C	114	51	22441	22448		2010
40	Karousis, N; Tagmatarchis, N; Tasis, D	Current Progress on the Chemical Modification of Carbon Nanotubes	CHEMICAL REVIEWS	110	9	5366	5397		2010
41	Tasis, D; Tsitsilianis, C	Fabrication of Polymeric Nano-Objects Using PS ₅ P ₂ VP ₅ Heteroarm Star Copolymers as Building Elements	JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS	48	14	1636	1641		2010
42	Athanasekos, L; Kollia, Z; Vasileiadis, M; Aspiotis, N; Alexandropoulos, D; Meristoudi, A; Karoutsos, V; Sarantopoulou, E	Effect of 193 and 157 nm laser light illumination on the surface properties of TMOS-NiCl ₂ sol-gel derived material	JOURNAL OF OPTICS	12	12			124015	2010
43	Kapaklis, V; Pappas, SD; Pouloupoulos, P; Trachylis, D; Schweiss, P; Politis, C	Structure and Magnetic Properties of hcp and fcc Nanocrystalline Thin Ni Films and Nanoparticles Produced by Radio Frequency Magnetron Sputtering	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	10	9	6024	6028		2010
44	Xepapadaki, AG; Papanicolaou, GC; Keramidas, P; Jiga, G	Effect of Hygrothermal Fatigue on the Mechanical Behaviour of Polymeric Composite Laminates and Sandwich Structures	MATERIALE PLASTICE	47	2	153	157		2010

45	Bakandritsos, A; Zboril, R; Bouropoulos, N; Kallinteri, P; Favretto, ME; Parker, TL; Mullertz, A; Fatouros, DG	The preparation of magnetically guided lipid based nanoemulsions using self-emulsifying technology	NANOTECHNOLOGY	21	5			55104	2010
46	Vavouliotis, A; Fiamegou, E; Karapappas, P; Psarras, GC; Kostopoulos, V	DC and AC Conductivity in Epoxy Resin/Multiwall Carbon Nanotubes Percolative System	POLYMER COMPOSITES	31	11	1874	1880		2010
47	Jankovic, L; Dimos, K; Bujdak, J; Koutselas, I; Madejova, J; Gournis, D; Karakassides, MA; Komadel, P	Synthesis and characterization of low dimensional ZnS- and PbS-semiconductor particles on a montmorillonite template	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	12	42	14236	14244		2010
48	Kalini, A; Gatos, KG; Karahaliou, PK; Georga, SN; Krontiras, CA; Psarras, GC	Probing the Dielectric Response of Polyurethane/Alumina Nanocomposites	JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS	48	22	2346	2354		2010
49	Kosionis, SG; Terzis, AF; Simserides, C; Paspalakis, E	Linear and nonlinear optical properties of a two-subband system in a symmetric semiconductor quantum well	JOURNAL OF APPLIED PHYSICS	108	3			34316	2010
50	Stefopoulos, AA; Kourkouli, SN; Economopoulos, S; Ravani, F; Andreopoulou, A; Papagelis, K; Siokou, A; Kallitsis, JK	Polymer and Hybrid Electron Accepting Materials Based on a Semiconducting Perfluorophenylquinoline	MACROMOLECULES	43	11	4827	4828		2010
51	Bouropoulos, N; Stampolakis, A; Mouzakis, DE	Dynamic Mechanical Properties of Calcium Alginate-Hydroxyapatite Nanocomposite Hydrogels	SCIENCE OF ADVANCED MATERIALS	2	2	239	242		2010
52	Spitalsky, Z; Georga, SN; Krontiras, CA; Galiotis, C	DIELECTRIC SPECTROSCOPY AND TUNABILITY OF MULTI-WALLED CARBON NANOTUBE/EPOXY RESIN COMPOSITES	ADVANCED COMPOSITES LETTERS	19	6	193	203		2010
53	Baskoutas, S; Terzis, AF	Binding Energy of Hydrogenic Impurity States in an Inverse Parabolic Quantum Well Under Electric and Magnetic Fields Parallel to the Growth Direction	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	7	2	492	497		2010

54	Cordoyiannis, G; Losada-Perez, P; Tripathi, CSP; Rozic, B; Tkalec, U; Tzitzios, V; Karatairi, E; Nounesis, G; Kutnjak, Z; Musevic, I; Glorieux, C; Kralj, S; Thoen, J	Blue phase III widening in CE6-dispersed surface-functionalised CdSe nanoparticles	LIQUID CRYSTALS	37	11	1419	1426	PII 929454532	2010
55	Frank, O; Tsoukleri, G; Parthenios, J; Papagelis, K; Riaz, I; Jalil, R; Novoselov, KS; Galiotis, C	Compression Behavior of Single-Layer Graphenes	ACS NANO	4	6	3131	3138		2010
56	Karatairi, E; Rozic, B; Kutnjak, Z; Tzitzios, V; Nounesis, G; Cordoyiannis, G; Thoen, J; Glorieux, C; Kralj, S	Nanoparticle-induced widening of the temperature range of liquid-crystalline blue phases	PHYSICAL REVIEW E	81	4			41703	2010
57	Liu, BY; Chen, XJ; Fang, DY; Perrone, A; Pispas, S; Vainos, NA	Environmental monitoring by thin film nanocomposite sensors for cultural heritage preservation	JOURNAL OF ALLOYS AND COMPOUNDS	504		S405	S409		2010
58	Tyllianakis, M; Dalas, E; Christofidou, M; Kallitsis, JK; Chrissanthopoulos, A; Koutsoukos, PG; Bartzavali, C; Gourdoupi, N; Papadimitriou, K; Oikonomou, EK; Yannopoulos, SN; Sevastos, D	Novel composites materials from functionalized polymers and silver coated titanium oxide capable for calcium phosphate induction, control of orthopedic biofilm infections: an in vitro study	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE	21	7	2201	2211		2010
59	Botsakis, K; Pavlou, O; Poulou, PD; Matsokis, N; Angelatou, F	Blockade of adenosine A(2A) receptors downregulates DARPP-32 but increases ERK1/2 activity in striatum of dopamine deficient weaver mouse	NEUROCHEMISTRY INTERNATIONAL	56	2	245	249		2010
60	Chissas, D; Stamatopoulos, G; Verettas, D; Kazakos, K; Papalois, A; Agrogiannis, G; Papaeliou, A; Agapitos, E; Balanika, A; Papadopoulou, E; Anastopoulos, G; Ntagiopoulou, PG; Asimakopoulos, A	Can low doses of simvastatin enhance fracture healing? An experimental study in rabbits	INJURY-INTERNATIONAL JOURNAL OF THE CARE OF THE INJURED	41	7	687	692		2010

61	Yannopoulos, SN; Zouganelis, GD; Nurmohamed, S; Smith, JR; Bouropoulos, N; Calabrese, G; Fatouros, DG; Tsibouklis, J	Physisorbed o-carborane onto lyso-phosphatidylcholine-functionalized, single-walled carbon nanotubes: a potential carrier system for the therapeutic delivery of boron	NANOTECHNOLOGY	21	8			85101	2010
62	Kapaklis, V; Grammatikopoulos, S; Sordan, R; Miranda, A; Traversi, F; von Kanei, H; Trachylis, D; Pouloupoulos, P; Politis, C	Nanolithographic Templates Using Diblock Copolymer Films on Chemically Heterogeneous Substrates	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	10	9	6056	6061		2010
63	Angelopoulou, A; Montouillout, V; Massiot, D; Kordas, G	Study of alkaline metal ions and glass-formers in glasses with advanced NMR methods and quantum mechanic calculations	JOURNAL OF NON-CRYSTALLINE SOLIDS	356	4-5	187	200		2010
64	Tzitzios, V; Basina, G; Bakandritsos, A; Hadjipanayis, CG; Mao, H; Niarchos, D; Hadjipanayis, GC; Tucek, J; Zboril, R	Immobilization of magnetic iron oxide nanoparticles on laponite discs - an easy way to biocompatible ferrofluids and ferrogels	JOURNAL OF MATERIALS CHEMISTRY	20	26	5418	5428		2010
65	Siengchin, S; Psarras, GC; Karger-Kocsis, J	POM/PU/Carbon Nanofiber Composites Produced by Water-Mediated Melt Compounding: Structure, Thermomechanical and Dielectrical Properties	JOURNAL OF APPLIED POLYMER SCIENCE	117	3	1804	1812		2010
66	Bakandritsos, A; Mattheolabakis, G; Zboril, R; Bouropoulos, N; Tucek, J; Fatouros, DG; Avgoustakis, K	Preparation, stability and cytocompatibility of magnetic/PLA-PEG hybrids	NANOSCALE	2	4	564	572		2010
67	Galiatsatos, PG; Yannopapas, V	Optical manipulation of a particle placed within a planar dielectric cavity	JOURNAL OF MODERN OPTICS	56	6	744	750	PII 904744370	2009
68	Peroukidis, SD; Karahaliou, PK; Vanakaras, AG; Photinos, DJ	Biaxial nematics: symmetries, order domains and field-induced phase transitions	LIQUID CRYSTALS	36	6-7	727	737	PII 912792821	2009

69	Karoutsos, V	Scanning Probe Microscopy: Instrumentation and Applications on Thin Films and Magnetic Multilayers	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	9	12	6783	6798		2009
70	Karahaliou, PK; Vanakaras, AG; Photinos, DJ	Symmetries and alignment of biaxial nematic liquid crystals	JOURNAL OF CHEMICAL PHYSICS	131	12			124516	2009
71	Psarras, GC	Electrical properties of polymer matrix composites: current impact and future trends	EXPRESS POLYMER LETTERS	3	9	533	533		2009
72	Yannopapas, V	Sign of the refractive index in lossy metamaterials	OPTICS COMMUNICATIONS	282	20	4152	4156		2009
73	Karabulut, I; Baskoutas, S	Second and Third Harmonic Generation Susceptibilities of Spherical Quantum Dots: Effects of Impurities, Electric Field and Size	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	6	1	153	156		2009
74	Hawke, LGD; Kalosakas, G; Simserides, C	Empirical LCAO parameters for molecular orbitals in planar organic molecules	MOLECULAR PHYSICS	107	17	1755	1771	PII 912904769	2009
75	Alexandropoulos, D; Scheuer, J; Vainos, NA	Spectral Properties of Active Racetrack Semiconductor Structures With Intracavity Reflections	IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS	15	5	1420	1426		2009
76	Kalosakas, G; Ares, S	Dependence on temperature and guanine-cytosine content of bubble length distributions in DNA	JOURNAL OF CHEMICAL PHYSICS	130	23			235104	2009
77	Mikroyannidis, J; Papagelis, K; Fakis, M; Tasis, D	Carbon nanotube-fluorenevinylene hybrids: Synthesis and photophysical properties	CHEMICAL PHYSICS LETTERS	483	4-6	241	246		2009
78	Yannopapas, V; Vitanov, NV	All-optical nanotraps for atoms atop flat metamaterial lenses: a theoretical study	JOURNAL OF PHYSICS-CONDENSED MATTER	21	24			245901	2009
79	Yannopapas, V; Vitanov, NV	First-Principles Study of Casimir Repulsion in Metamaterials	PHYSICAL REVIEW LETTERS	103	12			120401	2009

80	Alexandropoulos, D; Simos, H; Kusko, M; Cristea, D; Syvridis, D; Vainos, NA	Microring resonators with enhanced tolerance to fabrication misalignments	JOURNAL OF OPTICS A-PURE AND APPLIED OPTICS	11	12			125401	2009
81	Mouzakis, DE; Dimogianopoulos, D; Giannikas, D	Contact-Free Magnetoelastic Smart Microsensors With Stochastic Noise Filtering for Diagnosing Orthopedic Implant Failures	IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS	56	4	1092	1100		2009
82	Yannopapas, V; Vitanov, NV	Degree of polarization of the thermal near field generated by arrays of metallic nanoparticles	PHYSICAL REVIEW B	80	3			35410	2009
83	Yannopapas, V; Paspalakis, E; Vitanov, NV	Electromagnetically induced transparency and slow light in an array of metallic nanoparticles	PHYSICAL REVIEW B	80	3			35104	2009
84	Yannopapas, V; Paspalakis, E; Vitanov, NV	Plasmon-Induced Enhancement of Quantum Interference near Metallic Nanostructures	PHYSICAL REVIEW LETTERS	103	6			63602	2009
85	Tasis, D; Mikroyannidis, J; Karoutsos, V; Galiotis, C; Papagelis, K	Single-walled carbon nanotubes decorated with a pyrene-fluorenevinylene conjugate	NANOTECHNOLOGY	20	13			135606	2009
86	Koimtzoglou, C; Dassios, KG; Galiotis, C	EFFECT OF PROCESSING AND LOADING CONDITIONS UPON THE FATIGUE BEHAVIOUR OF A C-f/EPOXY LAMINATE	ADVANCED COMPOSITES LETTERS	18	3	95	106		2009
87	Psarras, GC	Conduction Processes in Percolative Epoxy Resin/Silver Particles Composites	SCIENCE OF ADVANCED MATERIALS	1	1	101	106		2009
88	Galanakis, I; Pouliasis, SG	Role of defects on the electronic and magnetic properties of CrAs, CrSe and CrSb zinc-blende compounds	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	321	8	1084	1091		2009
89	Yannopapas, V	Circular dichroism in planar nonchiral plasmonic metamaterials	OPTICS LETTERS	34	5	632	634		2009

90	Ferakis, N; Bouropoulos, C; Bouropoulos, N; Granitsas, T; Farmakis, A; Poulias, I	Long term viscoelastic property assessment of in-vitro aged polypropylene meshes used in female urinary incontinence treatment	EUROPEAN UROLOGY SUPPLEMENTS	8	8	619	619		2009
91	Soulintzis, A; Kontos, G; Karahaliou, P; Psarras, GC; Georga, SN; Krontiras, CA	Dielectric Relaxation Processes in Epoxy Resin-ZnO Composites	JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS	47	4	445	454		2009
92	Ozdogan, K; Galanakis, I	First-principles electronic and magnetic properties of the half-metallic antiferromagnet Cr ₂ MnSb	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	321	15	L34	L36		2009
93	Hawke, LGD; Simserides, C; Kalosakas, G	The pi-pi* molecular structure of flavin of FADH(-) enzymatic cofactor using the LCAO method	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	165	3	266	269		2009
94	Mohr, M; Papagelis, K; Maultzsch, J; Thomsen, C	Two-dimensional electronic and vibrational band structure of uniaxially strained graphene from ab initio calculations	PHYSICAL REVIEW B	80	20			205410	2009
95	Adams, MJ; Alexandropoulos, D	Parametric Analysis of Spin-Polarized VCSELS	IEEE JOURNAL OF QUANTUM ELECTRONICS	45	5-6	744	749		2009
96	Simserides, C; Koumpouras, K	Multi-spin-subband structure of dilute magnetic semiconductor quantum wells: Feedback mechanism	SUPERLATTICES AND MICROSTRUCTURES	46	6	889	899		2009
97	Muller, M; Papagelis, K; Maultzsch, J; Stefopoulos, AA; Pefkianakis, EK; Andreopoulou, AK; Kallitsis, JK; Thomsen, C	Raman spectroscopy of single wall carbon nanotubes functionalized with terpyridine-ruthenium complexes	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	246	11-12	2721	2723		2009
98	Meristoudi, A; Pispas, S	Polymer mediated formation of corona-embedded gold nanoparticles in block polyelectrolyte micelles	POLYMER	50	13	2743	2751		2009

99	Simos, H; Mesaritakis, C; Alexandropoulos, D; Syvridis, D	Dynamic Analysis of Crosstalk Performance in Microring-Based Add/Drop Filters	JOURNAL OF LIGHTWAVE TECHNOLOGY	27	12	2027	2034		2009
100	Vasilopoulou, M; Douvas, M; Palilis, LC; Bayiati, P; Alexandropoulos, D; Stathopoulos, NA; Argitis, P	Highly transparent partially fluorinated methacrylate polymers for optical waveguides	MICROELECTRONIC ENGINEERING	86	4-6	1142	1145		2009
101	Terzis, AF; Paspalakis, E	Emission spectrum of a two-electron quantum dot molecule driven by a strong electromagnetic field	PHYSICAL REVIEW B	80	3			35307	2009
102	Kalampounias, AG; Nasikas, NK; Papatheodorou, GN	Glass formation and structure in the MgSiO ₃ -Mg ₂ SiO ₄ pseudobinary system: From degraded networks to ioniclike glasses	JOURNAL OF CHEMICAL PHYSICS	131	11			114513	2009
103	Ozdogan, K; Sasioglu, E; Galanakis, I	Tuning the magnetic properties of half-metallic semi-Heusler alloys by sp-electron substitution: the case of AuMnSn _{1-x} Sb _x quaternary alloys	JOURNAL OF PHYSICS D-APPLIED PHYSICS	42	8			85003	2009
104	Spitalsky, Z; Tsoukleri, G; Tasis, D; Krontiras, C; Georga, SN; Galiotis, C	High volume fraction carbon nanotube-epoxy composites	NANOTECHNOLOGY	20	40			405702	2009
105	Spitalsky, Z; Aggelopoulos, C; Tsoukleri, G; Tsakiroglou, C; Parthenios, J; Georga, S; Krontiras, C; Tasis, D; Papagelis, K; Galiotis, C	The effect of oxidation treatment on the properties of multi-walled carbon nanotube thin films	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	165	3	135	138		2009
106	Koimtzoglou, C; Dassios, KG; Galiotis, C	Effect of fatigue on the interface integrity of unidirectional C-f-reinforced epoxy resin composites	ACTA MATERIALIA	57	9	2800	2811		2009
107	Roldo, M; Power, K; Smith, JR; Cox, PA; Papagelis, K; Bouropoulos, N; Fatouros, DG	N-Octyl-O-sulfate chitosan stabilises single wall carbon nanotubes in aqueous media and bestows biocompatibility	NANOSCALE	1	3	366	373		2009

108	Spitalsky, Z; Krontiras, CA; Georga, SN; Galiotis, C	Effect of oxidation treatment of multiwalled carbon nanotubes on the mechanical and electrical properties of their epoxy composites	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	40	6-7	778	783		2009
109	Fountoulakis, A; Terzis, AF; Paspalakis, E	Coherent single-electron transfer in coupled quantum dots	JOURNAL OF APPLIED PHYSICS	106	7			74305	2009
110	Menelaou, M; Mateescu, C; Zhao, H; Rodriguez-Escudero, I; Lalioti, N; Sanakis, Y; Simopoulos, A; Salifoglou, A	pH-Specific Synthetic Chemistry and Solution Studies in the Binary System of Iron(III) with the alpha-Hydroxycarboxylate Substrate Quinic Acid: Potential Relevance to Iron Chemistry in Plant Fluids	INORGANIC CHEMISTRY	48	5	1844	1856		2009
111	Katsamenis, OL; Bouropoulos, N; Fatouros, DG	Interaction of Fullerenes C-60 with Large Unilamellar Vesicles	JOURNAL OF BIOMEDICAL NANOTECHNOLOGY	5	4	416	420		2009
112	Green, S; Roldo, M; Douroumis, D; Bouropoulos, N; Lamprou, D; Fatouros, DG	Chitosan derivatives alter release profiles of model compounds from calcium phosphate implants	CARBOHYDRATE RESEARCH	344	7	901	907		2009
113	Meristoudi, A; Athanasekos, L; Vasileiadis, M; Pispas, S; Mousdis, G; Karoutsos, E; Alexandropoulos, D; Du, H; Tsigara, A; Kibasi, K; Perrone, A; Vainos, NA	Nanocomposite hybrid photonic media for remote point sensors	JOURNAL OF OPTICS A-PURE AND APPLIED OPTICS	11	3			34005	2009
114	Mohiuddin, TMG; Lombardo, A; Nair, RR; Bonetti, A; Savini, G; Jalil, R; Bonini, N; Basko, DM; Galiotis, C; Marzari, N; Novoselov, KS; Geim, AK; Ferrari, AC	Uniaxial strain in graphene by Raman spectroscopy: G peak splitting, Gruneisen parameters, and sample orientation	PHYSICAL REVIEW B	79	20			205433	2009
115	Tsoukleri, G; Parthenios, J; Papagelis, K; Jalil, R; Ferrari, AC; Geim, AK; Novoselov, KS; Galiotis, C	Subjecting a Graphene Monolayer to Tension and Compression	SMALL	5	21	2397	2402		2009

116	Baskoutas, S; Terzis, AF	Binding energy of hydrogenic impurity states in an inverse parabolic quantum well under static external fields	EUROPEAN PHYSICAL JOURNAL B	69	2	237	244		2009
117	Thanopoulos, I; Kral, P; Shapiro, M; Paspalakis, E	Optical control of molecular switches	JOURNAL OF MODERN OPTICS	56	6	686	703	PII 910648204	2009
118	Bourlinos, AB; Georgakilas, V; Zboril, R; Bakandritsos, A; Stassinopoulos, A; Anglos, D; Giannelis, EP	Pyrolytic formation and photoluminescence properties of a new layered carbonaceous material with graphite oxide-mimicking characteristics	CARBON	47	2	519	526		2009
119	Peroukidis, SD; Vanakaras, AG; Photinos, DJ	Self-organisation of fullerene-containing conical supermesogens	SOFT MATTER	4	3	493	499		2008
120	Bouropoulos, N; Psarras, GC; Moustakas, N; Chrissanthopoulos, A; Baskoutas, S	Optical and dielectric properties of ZnO-PVA nanocomposites	PHYSICA STATUS SOLIDI A- APPLICATIONS AND MATERIALS SCIENCE	205	8	2033	2037		2008
121	Tsaousidou, M	Energy relaxation of hot electrons in semiconducting carbon nanotubes	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	40	5	1127	1129		2008
122	Vanakaras, AG; Photinos, DJ	Thermotropic biaxial nematic liquid crystals: Spontaneous or field stabilized?	JOURNAL OF CHEMICAL PHYSICS	128	15			154512	2008
123	Peroukidis, SD; Vanakaras, AG; Photinos, DJ	Molecular modeling of liquid crystalline self-organization of fullerodendrimers: Columnar to lamellar phase transitions driven by temperature and/or concentration changes	JOURNAL OF PHYSICAL CHEMISTRY B	112	40	12761	12767		2008
124	Yannopapas, V	Optical forces near a plasmonic nanostructure	PHYSICAL REVIEW B	78	4			45412	2008
125	Yannopapas, V	Subwavelength imaging of light by arrays of metal-coated semiconductor nanoparticles: a theoretical study	JOURNAL OF PHYSICS-CONDENSED MATTER	20	25			255201	2008

126	Psarras, GC	Nanodielectrics: an emerging sector of polymer nanocomposites	EXPRESS POLYMER LETTERS	2	7	460	460		2008
127	Simserides, C; Galanakis, I	Quasi-two-dimensional carriers in dilute-magnetic-semiconductor quantum wells under in-plane magnetic field	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	40	5	1214	1216		2008
128	Yannopapas, V; Galiatsatos, PG	Electromagnetic forces in negative-refractive-index metamaterials: A first-principles study	PHYSICAL REVIEW A	77	4			43819	2008
129	Yannopapas, V	Non-local optical response of two-dimensional arrays of metallic nanoparticles	JOURNAL OF PHYSICS-CONDENSED MATTER	20	32			325211	2008
130	Moulzakis, DE; Zoga, H; GaliotiS, C	Accelerated environmental ageing study of polyester/glass fiber reinforced composites (GFRPCs)	COMPOSITES PART B-ENGINEERING	39	3	467	475		2008
131	Patsidis, A; Psarras, GC	Dielectric behaviour and functionality of polymer matrix - ceramic BaTiO3 composites	EXPRESS POLYMER LETTERS	2	10	718	726		2008
132	Koutsioubas, AG; Vanakaras, AG	Polymer Brushes on Periodically Nanopatterned Surfaces	LANGMUIR	24	23	13717	13722		2008
133	Baskoutas, S; Terzis, AF	Binding energy of hydrogenic impurity states in an inverse parabolic quantum well under electric field	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	40	5	1367	1370		2008
134	Baskoutas, S; Terzis, AF	Size dependent exciton energy of various technologically important colloidal quantum dots	MATERIALS SCIENCE AND ENGINEERING B-SOLID STATE MATERIALS FOR ADVANCED TECHNOLOGY	147	2-3	280	283		2008

135	Bouropoulos, N; Tsioussis, I; Pouloupoulos, P; Roditis, P; Baskoutas, S	ZnO controllable sized quantum dots produced by polyol method: An experimental and theoretical study	MATERIALS LETTERS	62	20	3533	3535		2008
136	Tapeinos, C; Kartsonakis, I; Liatsi, P; Daniilidis, I; Kordas, G	Synthesis and characterization of magnetic nanocontainers	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	91	4	1052	1056		2008
137	Karabulut, I; Baskoutas, S	Linear and nonlinear optical absorption coefficients and refractive index changes in spherical quantum dots: Effects of impurities, electric field, size, and optical intensity	JOURNAL OF APPLIED PHYSICS	103	7			73512	2008
138	Karahaliou, PK; Kouwer, PHJ; Meyer, T; Mehl, GH; Photinos, DJ	Long- and short-range order in the mesophases of laterally substituted calamitic mesogens and their radial octapodes	JOURNAL OF PHYSICAL CHEMISTRY B	112	21	6550	6556		2008
139	Bakandritsos, A; Psarras, GC; Boukos, N	Some Physicochemical Aspects of Nanoparticulate Magnetic Iron Oxide Colloids in Neat Water and in the Presence of Poly(vinyl alcohol)	LANGMUIR	24	20	11489	11496		2008
140	Nochos, A; Douroumis, D; Bouropoulos, N	In vitro release of bovine serum albumin from alginate/HPMC hydrogel beads	CARBOHYDRATE POLYMERS	74	3	451	457		2008
141	Papaioannou, ET; Karoutsos, V; Angelakeris, M; Valassiades, O; Fumagalli, P; Flevaris, NK; Pouloupoulos, P	Magnetic, Magneto-optic and Magnetotransport Properties of Nanocrystalline Co/Au Multilayers with Ultrathin Au Interlayers	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	8	9	4323	4328		2008
142	Yannopapas, V; Vitanov, NV	Ultra-subwavelength focusing of light by a monolayer of metallic nanoshells with an adsorbed defect	PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS	2	6	287	289		2008

143	Kalampounias, AG; Bouropoulos, N; Katerinopoulou, K; Yannopoulos, SN	Textural and structural studies of sol-gel derived CaO- and MgO silica glasses	JOURNAL OF NON-CRYSTALLINE SOLIDS	354	2-9	749	754		2008
144	Koutselas, I; Dimos, K; Bourlinos, A; Gournis, D; Avgeropoulos, A; Agathopoulos, S; Karakassides, MA	Synthesis and characterization of PbI ₂ semiconductor quantum wires within layered solids	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	10	2	311	318		2008
145	Koutselas, I; Dimos, K; Bourlinos, A; Gournis, D; Avgeropoulos, A; Agathopoulos, S; Karakassides, MA	Synthesis and characterization of PbI ₂ semiconductor quantum wires within layered solids	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	10	1	58	65		2008
146	Vasileiadis, M; Alexandropoulos, D; Adams, MJ; Simos, H; Syvridis, D	Potential of InGaAs/GaAs quantum dots for applications in vertical cavity semiconductor optical amplifiers	IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS	14	4	1180	1187		2008
147	Chrissanthopoulos, A; Pouchan, C	A density functional investigation of the structural and vibrational properties of the highly symmetric molecules M ₄ O ₆ , M ₄ O ₁₀ (M = P, As, Sb, Bi)	VIBRATIONAL SPECTROSCOPY	48	1	135	141		2008
148	Galanakis, I; Ozdogan, K; Sasioglu, E; Aktas, B	Ferrimagnetism and antiferromagnetism in half-metallic Heusler alloys	PHYSICA STATUS SOLIDI A- APPLICATIONS AND MATERIALS SCIENCE	205	5	1036	1039		2008
149	Poulias, I; Ferakis, N; Bouropoulos, C; Nikolaou, N; Mouzakis, D; Bouropoulos, N; Farmakis, A	Viscoelastic relaxation assessment of a polypropylene sling used in the treatment of female stress urinary incontinence	EUROPEAN UROLOGY SUPPLEMENTS	7	3	316	316		2008
150	Ioannou, M; Boviatsis, J; Paspalakis, E	Transient properties of voltage-controlled transparency in an asymmetric double quantum dot	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	40	6	2010	2012		2008

151	Paspalakis, E; Simserides, C; Baskoutas, S; Terzis, AF	Electromagnetically induced population transfer between two quantum well subbands	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	40	5	1301	1304		2008
152	Wilhelm, F; Pouloupoulos, P; Kapaklis, V; Kappler, JP; Jaouen, N; Rogalev, A; Yaresko, AN; Politis, C	Au and Fe magnetic moments in disordered Au-Fe alloys	PHYSICAL REVIEW B	77	22			224414	2008
153	Baskoutas, S; Terzis, AF	Biexciton luminescence of PbS and PbSe colloidal quantum dots in E-MAA and Phosphate glasses	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	5	1	88	92		2008
154	Pouloupoulos, P; Baskoutas, S; Kiss, LF; Bujdoso, L; Kemeny, T; Wilhelm, F; Rogalev, A; Kapaklis, V; Politis, C; Angelakeris, M; Saksl, K	Magnetic moments of Fe and Y in the FeBY glass forming system	JOURNAL OF NON-CRYSTALLINE SOLIDS	354	2-9	587	591		2008
155	Tsetseri, M; Triberis, GP; Tsaousidou, M	A systematic study of the electron mobility in V-shaped quantum wires at low temperatures	SUPERLATTICES AND MICROSTRUCTURES	43	4	340	351		2008
156	Bakandritsos, A; Bouropoulos, N; Zboril, R; Iliopoulos, K; Boukos, N; Chatzikyriakos, G; Couris, S	Optically active spherical polyelectrolyte brushes with a nanocrystalline magnetic core	ADVANCED FUNCTIONAL MATERIALS	18	11	1694	1706		2008
157	Pappas, GS; Liatsi, P; Kartsonakis, IA; Danilidis, I; Kordas, G	Synthesis and characterization of new SiO ₂ -CaO hollow nanospheres by sol-gel method: Bioactivity of the new system	JOURNAL OF NON-CRYSTALLINE SOLIDS	354	2-9	755	760		2008
158	Zora, A; Simserides, C; Triberis, GP	Room temperature photoluminescence of individual self-assembled quantum dots	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	40	5	1687	1689		2008
159	Papanicolaou, GC; Xepapadaki, AG; Kotrotsos, A; Mouzakis, DE	Interphase modeling of copper-epoxy particulate composites subjected to static and dynamic loading	JOURNAL OF APPLIED POLYMER SCIENCE	109	2	1150	1160		2008

160	Krokidas, P; Skouras, ED; Nikolakis, V; Burganos, VN	Simulated annealing effects on Na-FAU crystal reconstruction and sorption efficiency	MOLECULAR SIMULATION	34	10-15	1299	1309	PII 905045262	2008
161	Ozdogan, K; Galanakis, I; Sasioglu, E; Aktas, B	Role of the presence of transition-metal atoms at the antisites in CrAs, CrSe and VAs zinc-blende compounds	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	320	3-4	197	203		2008
162	Galanakis, I; Ozdogan, K; Sasioglu, E	Ab initio electronic and magnetic properties of half-metallic NiCrSi and NiMnSi Heusler alloys: The role of defects and interfaces	JOURNAL OF APPLIED PHYSICS	104	8			83916	2008
163	Galanakis, I; Sasioglu, E; Ozdogan, K	Magnetic phase transition in half-metallic CoMnSb and NiMnSb semi-Heusler alloys upon Cu doping: First-principles calculations	PHYSICAL REVIEW B	77	21			214417	2008
164	Tasis, D; Papagelis, K; Douroumis, D; Smith, JR; Bouropoulos, N; Fatouros, DG	Diameter-selective solubilization of carbon nanotubes by lipid micelles	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	8	1	420	423		2008
165	Bakandritsos, A; Bouropoulos, N; Koutoulogenis, A; Boukos, N; Fatouros, DG	Synthesis and Characterization of Iron Oxide Nanoparticles Encapsulated in Lipid Membranes	JOURNAL OF BIOMEDICAL NANOTECHNOLOGY	4	3	313	318		2008
166	Anagnostopoulos, G; Parthenios, J; Galiotis, C	Thermal stress development in fibrous composites	MATERIALS LETTERS	62	3	341	345		2008
167	Angelakeris, M; Papaioannou, ET; Pouloupoulos, P; Vlachos, A; Natsiopoulos, G; Wilhelm, F; Rogalev, A; Flevaris, NK	Pt-Co multilayers: Interface effects at the monolayer limit	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	205	10	2302	2306		2008
168	Tzavalas, S; Mouzakis, DE; Drakonakis, V; Gregoriou, VG	Polyethylene terephthalate-multiwall nanotubes nanocomposites: Effect of nanotubes on the conformations, crystallinity and crystallization behavior of PET	JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS	46	7	668	676		2008

169	Roy, SC; Werner, JR; Kouzoudis, D; Grimes, CA	Use of magnetoelastic sensors for quantifying platelet aggregation I: Whole blood and platelet rich plasma	SENSOR LETTERS	6	2	280	284		2008
170	Chrissanthopoulos, A; Bouropoulos, N; Yannopoulos, SN	Vibrational spectroscopic and computational studies of sol-gel derived CaO-MgO-SiO ₂ binary and ternary bioactive glasses	VIBRATIONAL SPECTROSCOPY	48	1	118	125		2008
171	Mouzakis, DE; Bouropoulos, N; Kallidonis, P; Karnabatidis, D; Katsanos, K; Constantinidis, C; Perimenis, P; Siambelis, D; Liatsikos, EN	Viscoelastic property mapping along encrusted polymeric urinary catheters	JOURNAL OF ENDOUROLOGY	22	8	1761	1769		2008
172	Papaioannou, ET; Lenz, K; Charilaou, M; Fumagalli, P; Pouloupoulos, P; Angelakeris, M; Flevaris, NK; Wilhelm, F; Rogalev, A	CoCr/Pt multilayers with adjustable perpendicular anisotropy	JOURNAL OF APPLIED PHYSICS	103	9			93905	2008
173	Ozdogan, K; Sasioglu, E; Galanakis, I	Engineering the electronic, magnetic, and gap-related properties of the quinary half-metallic Heusler alloys	JOURNAL OF APPLIED PHYSICS	103	2			23503	2008
174	Wise, AJ; Smith, JR; Bouropoulos, N; Yannopoulos, SN; van der Merwe, SM; Fatouros, DG	Single-wall carbon nanotube dispersions stabilised with N-trimethyl-chitosan	JOURNAL OF BIOMEDICAL NANOTECHNOLOGY	4	1	67	72		2008
175	Szabo, T; Bakandritsos, A; Tzitzios, V; Devlin, E; Petridis, D; Dekany, I	Magnetically Modified Single and Turbostratic Stacked Graphenes from Tris(2,2'-bipyridyl) Iron(II) Ion-Exchanged Graphite Oxide	JOURNAL OF PHYSICAL CHEMISTRY B	112	46	14461	14469		2008
176	Datsyuk, V; Kalyva, M; Papagelis, K; Parthenios, J; Tasis, D; Siokou, A; Kallitsis, I; Galiotis, C	Chemical oxidation of multiwalled carbon nanotubes	CARBON	46	6	833	840		2008
177	Anyfantis, GC; Papavassiliou, GC; Assimomytis, N; Terzis, A; Psycharis, V; Raptopoulou, CP; Kyritsis, P; Thoma, V; Koutselas, IB	Some unsymmetrical nickel 1,2-dithiolene complexes as candidate materials for optics and electronics	SOLID STATE SCIENCES	10	12	1729	1733		2008

178	Kohoutek, T; Wagner, T; Frumar, M; Chrissanthopoulos, A; Kostadinova, O; Yannopoulos, SN	Effect of cluster size of chalcogenide glass nanocolloidal solutions on the surface morphology of spin-coated amorphous films	JOURNAL OF APPLIED PHYSICS	103	6			63511	2008
179	Iliopoulos, K; Athanasiou, D; Meristoudi, A; Vainos, N; Pispas, S; Couris, S	Nonlinear optical properties of Au nanoclusters encapsulated into hybrid block copolymer micelles	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	205	11	2635	2638		2008
180	Kiss, LF; Kemeny, T; Bujdoso, L; Bakonyi, I; Baskoutas, S; Pouloupoulos, P; Kapaklis, V; Politis, C	Heterogeneous magnetism in Fe-doped bulk-amorphous and nanostructured Pd-based alloys	JOURNAL OF PHYSICS-CONDENSED MATTER	20	1			15211	2008
181	Thanopoulos, I; Paspalakis, E; Yannopoulos, V	Optical switching of electric charge transfer pathways in porphyrin: a light-controlled nanoscale current router	NANOTECHNOLOGY	19	44			445202	2008
182	Stefopoulos, AA; Chochos, CL; Prato, M; Pistolis, G; Papagelis, K; Petraki, F; Kennou, S; Kallitsis, JK	Novel Hybrid Materials Consisting of Regioregular Poly(3-octylthiophene)s Covalently Attached to Single-Wall Carbon Nanotubes	CHEMISTRY-A EUROPEAN JOURNAL	14	28	8715	8724		2008
183	Angelopoulou, A; Montouillout, V; Massiot, D; Kordas, G	Study of the alkaline environment in mixed alkali compositions by multiple-quantum magic angle nuclear magnetic resonance (MQ-MAS NMR)	JOURNAL OF NON-CRYSTALLINE SOLIDS	354	2-9	333	340		2008
184	Siengchin, S; Karger-Kocsis, J; Psarras, GC; Thomann, R	Polyoxymethylene/polyurethane/alumina ternary composites: Structure, mechanical, thermal and dielectric properties	JOURNAL OF APPLIED POLYMER SCIENCE	110	3	1613	1623		2008
185	Yannopoulos, V	Negative refractive index in the near-UV from Au-coated CuO nanoparticle superlattices	PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS	1	5	208	210		2007

186	Dassios, KG	A review of the pull-out mechanism in the fracture of brittle-matrix fibre-reinforced composites	ADVANCED COMPOSITES LETTERS	16	1	17	24		2007
187	Chrissanthopoulos, A; Baskoutas, S; Bouropoulos, N; Dracopoulos, V; Tasis, D; Yannopoulos, SN	Novel ZnO nanostructures grown on carbon nanotubes by thermal evaporation	THIN SOLID FILMS	515	24	8524	8528		2007
188	Papasotiriou, PJ; Geroyannis, VS; Sanidas, SA	Numerical methods for solving the relativistic Oppenheimer Volkoff equations	INTERNATIONAL JOURNAL OF MODERN PHYSICS C	18	11	1735	1746		2007
189	Simserides, C; Zora, A; Triberis, G	Magneto-optics of quantum dots in the near field	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	21	8-9	1649	1653		2007
190	Karahaliou, PK; Kouwer, PHJ; Meyer, T; Mehl, GH; Photinos, DJ	Columnar phase structures of an organic-inorganic hybrid functionalized with eight calamitic mesogens	SOFT MATTER	3	7	857	865		2007
191	Douroumis, D; Fatouros, DG; Bouropoulos, N; Papagelis, K; Tasis, D	Colloidal stability of carbon nanotubes in an aqueous dispersion of phospholipid	INTERNATIONAL JOURNAL OF NANOMEDICINE	2	4	761	766		2007
192	Papagelis, K; Kalyva, M; Tasis, D; Parthenios, I; Siokou, A; Galiotis, C	Covalently functionalized carbon nanotubes as macroinitiators for radical polymerization	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	244	11	4046	4050		2007
193	Simserides, C	Spin-subband populations and spin polarization of quasi-two-dimensional carriers under an in-plane magnetic field	PHYSICAL REVIEW B	75	19			195344	2007
194	Baskoutas, S; Giabouranis, P; Yannopoulos, SN; Dracopoulos, V; Toth, L; Chrissanthopoulos, A; Bouropoulos, N	Preparation of ZnO nanoparticles by thermal decomposition of zinc alginate	THIN SOLID FILMS	515	24	8461	8464		2007
195	Dendrinou-Samara, C; Katsamakas, S; Raptopoulou, C; Terzis, A; Tangoulis, V; Kessissoglou, DP	Interaction of Fe(III) with herbicide-carboxylate ligands - Di-, tri- and tetra-nuclear compounds: Structure and magnetic behavior	POLYHEDRON	26	4	763	772		2007

196	Yannopapas, V; Vitanov, NV	First-principles theory of van der Waals forces between macroscopic bodies	PHYSICAL REVIEW LETTERS	99	12			120406	2007
197	Yannopapas, V; Vitanov, NV	Fluctuational electrodynamics in the presence of finite thermal sources	PHYSICAL REVIEW LETTERS	99	5			53901	2007
198	Yannopapas, V; Vitanov, NV	Electromagnetic Green's tensor and local density of states calculations for collections of spherical scatterers	PHYSICAL REVIEW B	75	11			115124	2007
199	Yannopapas, V; Vitanov, NV	Spontaneous emission of a two-level atom placed within clusters of metallic nanoparticles	JOURNAL OF PHYSICS-CONDENSED MATTER	19	9			96210	2007
200	Yannopapas, V	Negative refraction in random photonic alloys of polaritonic and plasmonic microspheres	PHYSICAL REVIEW B	75	3			35112	2007
201	Psarras, GC	Charge transport properties in carbon black/polymer composites	JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS	45	18	2535	2545		2007
202	Tasis, D; Pispas, S; Galiotis, C; Bouropoulos, N	Growth of calcium carbonate on non-covalently modified carbon nanotubes	MATERIALS LETTERS	61	28	5044	5046		2007
203	Tasis, D; Papagelis, K; Prato, M; Kallitsis, I; Galiotis, C	Water-soluble carbon nanotubes by redox radical polymerization	MACROMOLECULAR RAPID COMMUNICATIONS	28	15	1553	1558		2007
204	Bollas, D; PappaS, P; Parthenios, J; Gallotis, C	Stress generation by shape memory alloy wires embedded in polymer composites	ACTA MATERIALIA	55	16	5489	5499		2007
205	Ozdogan, K; Galanakis, I; Sasioglu, E; Aktas, B	Defect-induced ferrimagnetism in the half-metallic Co ₂ CrAl and Co ₂ CrSi compounds	PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS	1	3	95	97		2007
206	Ozdogan, K; Galanakis, I; Sasioglu, E; Aktas, B	Defects-driven appearance of half-metallic ferrimagnetism in Co-Mn-based Heusler alloys	SOLID STATE COMMUNICATIONS	142	9	492	497		2007

207	Angelakis, DG; Santos, MF; Yannopapas, V; Ekert, A	A proposal for the implementation of quantum gates with photonic-crystal waveguides	PHYSICS LETTERS A	362	5-6	377	380		2007
208	Karoutsos, V; Papatotiriou, P; Pouloupoulos, P; Kapaklis, V; Politis, C; Angelakeris, M; Kehagias, T; Flevaris, NK; Papaioannou, ET	Growth modes of nanocrystalline Ni/Pt multilayers with deposition temperature	JOURNAL OF APPLIED PHYSICS	102	4			43525	2007
209	Terzis, AF; Paspalakis, E	Local field effects on population dynamics in a driven quantum dot system: general initial conditions	JOURNAL OF MODERN OPTICS	54	13-15	1901	1910		2007
210	Baskoutas, S; Paspalakis, E; Terzis, AF	Electronic structure and nonlinear optical rectification in a quantum dot: effects of impurities and external electric field	JOURNAL OF PHYSICS-CONDENSED MATTER	19	39			395024	2007
211	Psarras, GC; Gatos, KG; Karger-Kocsis, J	Dielectric properties of layered silicate-reinforced natural and polyurethane rubber nanocomposites	JOURNAL OF APPLIED POLYMER SCIENCE	106	2	1405	1411		2007
212	Galanakis, I; Mavropoulos, P	Spin-polarization and electronic properties of half-metallic Heusler alloys calculated from first principles	JOURNAL OF PHYSICS-CONDENSED MATTER	19	31			315213	2007
213	Kontos, GA; Soulintzis, AL; Karahaliou, PK; Psarras, GC; Georga, SN; Krontiras, CA; Pisanias, MN	Electrical relaxation dynamics in TiO ₂ - polymer matrix composites	EXPRESS POLYMER LETTERS	1	12	781	789		2007
214	Papagelis, K; Arvanitidis, J; Christofilos, D; Andrikopoulos, KS; Takenobu, T; Iwasa, Y; Kataura, H; Ves, S; Kourouklis, GA	Second-order Raman study of double-wall carbon nanotubes under high pressure	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	244	1	116	120		2007
215	Kastanis, D; Tasis, D; Papagelis, K; Parthertios, J; Tsakiroglou, C; Galiotis, C	Oxidized multi-walled carbon nanotube film fabrication and characterization	ADVANCED COMPOSITES LETTERS	16	6	243	248		2007

216	Liatsikos, E; Bouropoulos, N; Kallidonis, P; Karnabatidis, D; Katsanos, K; Christeas, N; Siambli, D; Mouzakis, D	Viscoelastic property mapping along encrusted polymeric urinary catheters	JOURNAL OF ENDOUROLOGY	21		A256	A256		2007
217	Panagiotopoulos, EC; Kallivokas, AG; Koulioumpas, I; Mouzakis, DE	Early failure of a zirconia femoral head prosthesis: Fracture or fatigue?	CLINICAL BIOMECHANICS	22	7	856	860		2007
218	Zora, A; Simserides, C; Triberis, GP	Theory of spontaneous emission of quantum dots in the linear regime	JOURNAL OF PHYSICS-CONDENSED MATTER	19	40			406201	2007
219	Psarras, GC; Gatos, KG; Karahaliou, PK; Georga, SN; Krontiras, CA; Karger-Kocsis, J	Relaxation phenomena in rubber/layered silicate nanocomposites	EXPRESS POLYMER LETTERS	1	12	837	845		2007
220	Yannopoulos, V	Artificial magnetism and negative refractive index in three-dimensional metamaterials of spherical particles at near-infrared and visible frequencies	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	87	2	259	264		2007
221	Kosionis, SG; Terzis, AF; Paspalakis, E	Optimal control of a symmetric double quantum-dot nanostructure: Analytical results	PHYSICAL REVIEW B	75	19			193305	2007
222	Ares, S; Kalosakas, G	Distribution of bubble lengths in DNA	NANO LETTERS	7	2	307	311		2007
223	Ozdogan, K; Sasioglu, E; Galanakis, I	Vacancy-induced minority-spin states in half-metallic Heusler alloys	PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS	1	5	184	186		2007
224	Galanakis, I; Ozdogan, K; Sasioglu, E; Aktas, B	Ab initio design of half-metallic fully compensated ferrimagnets: The case of Cr(2)MnZ (Z=P, As, Sb, and Bi)	PHYSICAL REVIEW B	75	17			172405	2007
225	Galanakis, I; Ozdogan, K; Sasioglu, E; Aktas, B	Doping of Mn2VAl and Mn2VSi Heusler alloys as a route to half-metallic antiferromagnetism	PHYSICAL REVIEW B	75	9			92407	2007

226	Terzis, AF; Kosionis, SG; Paspalakis, E	Two-electron localization in a quantum dot molecule driven by bichromatic electric fields	JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS	40	11	S331	S343		2007
227	Liu, LQ; Eder, M; Burgert, I; Tasis, D; Prato, M; Wagner, HD	One-step electrospun nanofiber-based composite ropes	APPLIED PHYSICS LETTERS	90	8			83108	2007
228	Papagelis, K; Andrikopoulos, KS; Arvanitidis, J; Christofilos, D; Galiotis, C; Takenobu, T; Iwasa, Y; Kataura, H; Ves, S; Kourouklis, GA	High pressure Raman study of the second-order vibrational modes of single- and double-walled carbon nanotubes	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	244	11	4069	4073		2007
229	Liu, LQ; Tasis, D; Prato, M; Wagner, HD	Tensile mechanics of electrospun multiwalled nanotube/poly(methyl methacrylate) nanofibers	ADVANCED MATERIALS	19	9	1228	+		2007
230	Wilhelm, F; Rogalev, A; Pouloupoulos, P; Angelakerist, M; Tsiaoussis, J; Simeonidis, K; Mourdikoudis, S; Kalogirou, O	Annealing effect on the induced magnetism of platinum in FePt nanoparticles	MODERN PHYSICS LETTERS B	21	18	1189	1196		2007
231	Papaioannou, ET; Angelakeris, M; Pouloupoulos, P; Tsiaoussis, I; Rudt, C; Fumagalli, P; Flevaris, NK	Structural, magnetic, and magneto-optical properties of nanocrystalline face centered cubic Co70Cr30/Pt multilayers with perpendicular magnetic anisotropy	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	7	12	4278	4284		2007
232	Hozoi, L; Nishimoto, S; Kalosakas, G; Bodea, DB; Burdin, S	Nonlocal interactions in doped cuprates: Correlated motion of Zhang-Rice polarons	PHYSICAL REVIEW B	75	2			24517	2007
233	Anagnostopoulos, G; Parthenios, J; Galiotis, C	Phonon stress sensitivity for interface characterization of fibrous composites at various temperatures	ACTA MATERIALIA	55	11	3783	3793		2007
234	Tsigara, A; Mountrichas, G; Gatsouli, K; Nichelatti, A; Pispas, S; Madamopoulos, N; Vainos, NA; Du, HL; Roubani-Kalantzopoulou, F	Hybrid polymer/cobalt chloride humidity sensors based on optical diffraction	SENSORS AND ACTUATORS B-CHEMICAL	120	2	481	486		2007

235	Katerelos, DTG; Lundmark, P; Varna, J; Galiotis, C	Analysis of matrix cracking in GFRP laminates using Raman spectroscopy	COMPOSITES SCIENCE AND TECHNOLOGY	67	9	1946	1954		2007
236	Gabriel, C; Raptopoulou, CP; Terzis, A; Lalioti, N; Salifoglou, A	Synthesis, structural, spectroscopic and magnetic susceptibility studies of a soluble Cr(III)-heida (2-hydroxyethyliminodiacetic acid) complex. Relevance to aqueous chromium(III)-heida speciation	INORGANICA CHIMICA ACTA	360	2	513	522		2007
237	Mavropoulos, P; Galanakis, I	A review of the electronic and magnetic properties of tetrahedrally bonded half-metallic ferromagnets	JOURNAL OF PHYSICS-CONDENSED MATTER	19	31			315221	2007
238	Gatos, KG; Minogianni, C; Galiotis, C	Quantifying crystalline fraction within polymer spherulites	MACROMOLECULES	40	4	786	789		2007
239	Thanopulos, I; Paspalakis, E	Laser-operated porphyrin-based molecular current router	PHYSICAL REVIEW B	76	3			35317	2007
240	Pappas, P; Bollas, D; Parthenios, J; Dracopoulos, V; Galiotis, C	Transformation fatigue and stress relaxation of shape memory alloy wires	SMART MATERIALS & STRUCTURES	16	6	2560	2570		2007
241	Rinkevich, A; Romashev, L; Milyaev, M; Kuznetsov, E; Angelakeris, M; Pouloupoulos, P	Electromagnetic waves penetration and magnetic properties of AgPt/Co nanostructures	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	317	1-2	15	19		2007
242	Gabriel, C; Raptopoulou, CP; Terzis, A; Tangoulis, V; Mateescu, C; Salifoglou, A	pH-specific synthesis and spectroscopic, structural, and magnetic studies of a chromium(III)-citrate species. Aqueous solution speciation of the binary chromium(III)-citrate system	INORGANIC CHEMISTRY	46	8	2998	3009		2007

243	Papaoiannou, ET; Angelakeris, M; Flevaris, NK; Fumagalli, P; Mueller, C; Troupis, A; Spanou, A; Karoutsos, V; Pouloupoulos, P; Kapaklis, V; Politis, C	Magnetism and magneto-optics of nanocrystalline Ni/Pt multilayers grown by e-beam evaporation at room temperature	JOURNAL OF APPLIED PHYSICS	101	2			23913	2007
244	Bakandritsos, A; Bourlinos, AB; Tzitzios, V; Boukos, N; Devlin, E; Steriotis, T; Kouvelos, V; Petridis, D	Biopolymer networks for the solid-state production of porous magnetic beads and wires	ADVANCED FUNCTIONAL MATERIALS	17	8	1409	1416		2007
245	Arvanitidis, J; Papagelis, K; Takabayashi, Y; Takenobu, T; Iwasa, Y; Rosseinsky, MJ; Prassides, K	Magnetic ordering in the ammoniated alkali fullerides (NH ₃)K _{3-x} Rb _x C ₆₀ (x=2, 3)	JOURNAL OF PHYSICS-CONDENSED MATTER	19	38			386235	2007
246	Kapaklis, V; Georgiopoulos, A; Pouloupoulos, P; Politis, C	Patterning of porous silicon by metal-assisted chemical etching under open circuit potential conditions	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	38	1-2	44	49		2007
247	Ozdogan, K; Aktas, B; Galanakis, I; Sasioglu, E	Influence of mixing the low-valent transition metal atoms (Y, Y*=Cr, Mn, Fe) on the properties of the quaternary Co-2[Y _{1-x} Y _x]*Z (Z=Al, Ga, Si, Ge, or Sn) Heusler compounds	JOURNAL OF APPLIED PHYSICS	101	7			73910	2007
248	Gatos, KG; Alcazar, JGM; Psarras, GC; Thomann, R; Karger-Kocsis, J	Polyurethane latex/water dispersible boehmite alumina nanocomposites: Thermal, mechanical and dielectrical properties	COMPOSITES SCIENCE AND TECHNOLOGY	67	2	157	167		2007
249	Pasparakis, G; Bouropoulos, N	Swelling studies and in vitro release of verapamil from calcium alginate and calcium alginate-chitosan beads	INTERNATIONAL JOURNAL OF PHARMACEUTICS	323	1-2	34	42		2006
250	Vanakaras, AG	Self-organization and pattern formation of janus particles in two dimensions by computer simulations	LANGMUIR	22	1	88	93		2006

251	Baskoutas, S; Pouloupoulos, P; Karoutsos, V; Angelakeris, M; Flevaris, NK	Strong quantum confinement effects in thin zinc selenide films	CHEMICAL PHYSICS LETTERS	417	4-6	461	464		2006
252	Yannopapas, V	Effective-medium description of disordered photonic alloys	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS	23	7	1414	1419		2006
253	Baskoutas, S; Terzis, AF	Size-dependent band gap of colloidal quantum dots	JOURNAL OF APPLIED PHYSICS	99	1			13708	2006
254	Tasis, D; Kastanis, D; Galiotis, C; Bouropoulos, N	Growth of calcium phosphate mineral on carbon nanotube buckypapers	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	243	13	3230	3233		2006
255	Paspalakis, E; Tsaousidou, M; Terzis, AF	Coherent manipulation of a strongly driven semiconductor quantum well	PHYSICAL REVIEW B	73	12			125344	2006
256	Baskoutas, S; Terzis, AF; Schommers, W	Size-dependent exciton energy of narrow band gap colloidal quantum dots in the finite depth square-well effective mass approximation	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	3	2	269	271		2006
257	Paspalakis, E; Terzis, AF	Switching properties of nonlinear electron-wave directional couplers	JOURNAL OF APPLIED PHYSICS	99	4			43704	2006
258	Baskoutas, S; Kapaklis, V; Schommers, W	Effective band gap of Si nanocrystals embedded in SiO ₂ matrix	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	6	7	2037	2041		2006
259	Kapaklis, V; Pouloupoulos, P; Karoutsos, V; Manouras, T; Politis, C	Growth of thin Ag films produced by radio frequency magnetron sputtering	THIN SOLID FILMS	510	1-2	138	142		2006
260	Psarras, GC	Hopping conductivity in polymer matrix-metal particles composites	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	37	10	1545	1553		2006
261	Paspalakis, E	Adiabatic three-waveguide directional coupler	OPTICS COMMUNICATIONS	258	1	30	34		2006

262	Petalis, P; Makris, N; Psarras, GC	Investigation of the phase transformation behaviour of constrained shape memory alloy wires	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	84	1	219	224		2006
263	Yannopoulos, V	Thermal emission from three-dimensional arrays of gold nanoparticles	PHYSICAL REVIEW B	73	11			113108	2006
264	Dassios, KG; Galiotis, C	Direct measurement of fiber bridging in notched glass-ceramic-matrix composites	JOURNAL OF MATERIALS RESEARCH	21	5	1150	1160		2006
265	Yannopoulos, V	Negative index of refraction in artificial chiral materials	JOURNAL OF PHYSICS-CONDENSED MATTER	18	29	6883	6890		2006
266	Poulopoulos, P; Kapaklis, V; Politis, C; Schweiss, P; Fuchs, D	Non-magnetic hexagonal nanocrystalline Ni films grown by radio frequency magnetron sputtering	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	6	12	3867	3870		2006
267	Kalosakas, G	Multi-peaked localized states of DNLS in one and two dimensions	PHYSICA D-NONLINEAR PHENOMENA	216	1	44	61		2006
268	Tasis, D; Tagmatarchis, N; Bianco, A; Prato, M	Chemistry of carbon nanotubes	CHEMICAL REVIEWS	106	3	1105	1136		2006
269	Petta, V; Moradian-Oldak, J; Yannopoulos, SN; Bouropoulos, N	Dynamic light scattering study of an amelogenin gel-like matrix in vitro	EUROPEAN JOURNAL OF ORAL SCIENCES	114		308	314		2006
270	Psarras, GC; Beobide, AS; Voyiatzis, GA; Karahaliou, PK; Georga, SN; Krontiras, CA; Sotiropoulos, J	Dielectric and conductivity processes in poly(ethylene terephthalate) and poly(ethylene naphthalate) homopolymers and copolymers	JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS	44	21	3078	3092		2006
271	Galanakis, I; Mavropoulos, P; Dederichs, PH	Electronic structure and Slater-Pauling behaviour in half-metallic Heusler alloys calculated from first principles	JOURNAL OF PHYSICS D-APPLIED PHYSICS	39	5	765	775		2006

272	Galanakis, I; Ozdogan, K; Sasioglu, E; Aktas, B	Defects in CrAs and related compounds as a route to half-metallic ferrimagnetism	PHYSICAL REVIEW B	74	14			140408	2006
273	Baskoutas, S; Paspalakis, E; Terzis, AF	Effects of excitons in nonlinear optical rectification in semiparabolic quantum dots	PHYSICAL REVIEW B	74	15			153306	2006
274	Paspalakis, E; Tsaousidou, M; Terzis, AF	Rabi oscillations in a strongly driven semiconductor quantum well	JOURNAL OF APPLIED PHYSICS	100	4			44312	2006
275	Fountoulakis, A; Terzis, AF; Paspalakis, E	Controlled electron dynamics in a triple semiconductor quantum well structure	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	3	3	412	416		2006
276	Paspalakis, E; Terzis, AF	Creation of entangled states of excitons in coupled quantum dots	PHYSICS LETTERS A	350	5-6	396	399		2006
277	Bollas, D; Parthenios, J; Galiotis, C	Effect of stress and temperature on the optical phonons of aramid fibers	PHYSICAL REVIEW B	73	9			94103	2006
278	Paspalakis, E; Kalini, A; Terzis, AF	Local field effects in excitonic population transfer in a driven quantum dot system	PHYSICAL REVIEW B	73	7			73305	2006
279	Christopoulos, DK; Terzis, AF; Vanakaras, AG; Photinos, DJ	Helix formation in linear achiral dendronized polymers: A computer simulation study	JOURNAL OF CHEMICAL PHYSICS	125	20			204907	2006
280	Kouzoudis, D; Mouzakis, DE	A 2826 MB Metglas ribbon as a strain sensor for remote and dynamic mechanical measurements	SENSORS AND ACTUATORS A-PHYSICAL	127	2	355	359		2006
281	Yannopoulos, V; Vitanov, NV	Photoexcitation-induced magnetism in arrays of semiconductor nanoparticles with a strong excitonic oscillator strength	PHYSICAL REVIEW B	74	19			193304	2006
282	Bouropoulos, N; Mouzakis, DE; Bithelis, G; Liatsikos, E	Vickers hardness studies of calcium oxalate monohydrate and brushite urinary stones	JOURNAL OF ENDOUROLOGY	20	1	59	63		2006

283	Mouzakis, DE; Bouropoulos, N; Bithelis, G; Liatsikos, E	Aging assessment by dynamic mechanical analysis of in vivo encrusted polymeric urinary stents	JOURNAL OF ENDOUROLOGY	20	1	64	68		2006
284	Dimos, K; Koutselas, IB; Karakassides, MA	Synthesis and characterization of ZnS nanosized semiconductor particles within mesoporous solids	JOURNAL OF PHYSICAL CHEMISTRY B	110	45	22339	22345		2006
285	Triberis, G; Simserides, C; Karavolas, V	A small polaron hopping model for multiphonon-assisted transport along DNA molecules, in the presence of disorder	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	32	1-2	592	595		2006
286	Galanakis, I; Ozdogan, K; Aktas, B; Sasioglu, E	Effect of doping and disorder on the half metallicity of full Heusler alloys	APPLIED PHYSICS LETTERS	89	4			42502	2006
287	Simserides, C; Zora, A; Triberis, G	Near-field magnetoabsorption of quantum dots	PHYSICAL REVIEW B	73	15			155313	2006
288	Mouzakis, DE; Kandilioti, G; Elenis, A; Gregoriou, VG	Ultraviolet radiation induced cold chemi-crystallization in syndiotactic polypropylene clay-nanocomposites	JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY	A43	2	259	267		2006
289	Christofilos, D; Efthimiopoulos, E; Arvanitidis, J; Papagelis, K; Ves, S; Kourouklis, GA	Raman study of polycrystalline PbWO ₄ under high pressure	HIGH PRESSURE RESEARCH	26	4	421	425		2006
290	Menelaou, M; Raptopoulou, CP; Terzis, A; Tangoulis, V; Salifoglou, A	In search of binary hybrid systems in manganese chemistry: The synthesis, spectroscopic and structural characterization, and magnetic properties of a new species in the aqueous Mn-II-quinic system	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY		10	1957	1967		2006
291	Kalosakas, G; Rasmussen, KO; Bishop, AR	Non-exponential decay of base-pair opening fluctuations in DNA	CHEMICAL PHYSICS LETTERS	432	1-3	291	295		2006

292	Dynes, JF; Paspalakis, E	Phase control of electron population, absorption, and dispersion properties of a semiconductor quantum well	PHYSICAL REVIEW B	73	23			233305	2006
293	Konstantaki, M; Pissadakis, S; Pispas, S; Madamopoulos, N; Vainos, NA	Optical fiber long-period grating humidity sensor with poly(ethylene oxide)/cobalt chloride coating	APPLIED OPTICS	45	19	4567	4571		2006
294	Tzavalas, S; Drakonakis, V; Mouzakis, DE; Fischer, D; Gregoriou, VG	Effect of carboxy-functionalized multiwall nanotubes (MWNT-COOH) on the crystallization and chain conformations of poly(ethylene terephthalate) PET in PET-MWNT nanocomposites	MACROMOLECULES	39	26	9150	9156		2006
295	Kandilioti, G; Elenis, A; MacChiarola, KA; Gregoriou, VG	Photooxidative degradation and conformational changes in syndiotactic polypropylene/clay nanocomposites	APPLIED SPECTROSCOPY	60	11	1285	1292		2006
296	Deliolanis, NC; Vanidhis, ED; Vainos, NA	Dispersion of electrogyration in sillenite crystals	APPLIED PHYSICS B-LASERS AND OPTICS	85	4	591	596		2006
297	Mateescu, A; Raptopoulou, CP; Terzis, A; Tangoulis, V; Salifoglou, A	pH-Specific synthesis and structural and spectroscopic characterization of a complex between Co-II and N,N-bis(phosphonomethyl)glycine: Cobalt-phosphonate interactions in the solid state and in solution	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY		10	1945	1956		2006
298	Katerelos, DG; McCartney, LN; Galiotis, C	Effect of off - axis matrix cracking on stiffness of symmetric angle-ply composite laminates	INTERNATIONAL JOURNAL OF FRACTURE	139	3-4	529	536		2006

299	Fountoulakis, A; Terzis, AF; Paspalakis, E	Coherent phenomena due to double-dark states in a system with decay interference	PHYSICAL REVIEW A	73	3			33811	2006
300	Aloukos, P; Couris, S; Koutselas, JB; Anyfantis, GC; Papavassiliou, GC	Transient nonlinear optical response of novel neutral unsymmetrical nickel dithiolene complexes	CHEMICAL PHYSICS LETTERS	428	1-3		109	113	2006
301	Estrader, M; Ribas, J; Tangoulis, V; Solans, X; Font-Bardia, M; Maestro, M; Diaz, C	Synthesis, crystal structure, and magnetic studies of one-dimensional cyano-bridged Ln(3+)-Cr3+ complexes with bpy as a blocking ligand	INORGANIC CHEMISTRY	45	20	8239	8250		2006
302	Herrmann, T; Ludge, K; Richter, W; Georganakis, KG; Pouloupoulos, P; Nunthel, R; Lindner, J; Wahl, M; Esser, N	Optical anisotropy and magneto-optical properties of Ni on preoxidized Cu(110)	PHYSICAL REVIEW B	73	13			134408	2006
303	Christofilos, D; Arvanitidis, J; Tzampazis, C; Papagelis, K; Takenobu, T; Iwasa, Y; Kataura, H; Lioutas, C; Ves, S; Kourouklis, GA	Raman study of metallic carbon nanotubes at elevated pressure	DIAMOND AND RELATED MATERIALS	15	4-8		1075	1079	2006
304	Ozdogan, K; Galanakis, I; Sasioglu, E; Atkas, B	Search for half-metallic ferrimagnetism in V-based heusler alloys Mn(2)VZ (Z = Al, Ga, In, Si, Ge, Sn)	JOURNAL OF PHYSICS-CONDENSED MATTER	18	10	2905	2914		2006
305	Ozdogan, K; Sasioglu, E; Aktas, B; Galanakis, I	Doping and disorder in the Co ₂ MnAl and Co ₂ MnGa half-metallic Heusler alloys	PHYSICAL REVIEW B	74	17			172412	2006
306	Pouloupoulos, P	X-ray magnetic circular dichroism on Pt L-edges in Co-based materials	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	19	30	4517	4523		2005
307	Karahaliou, PK; Vanakaras, AG; Photinos, DJ	On the molecular theory of dimeric liquid crystals	LIQUID CRYSTALS	32	11-12	1397	1407		2005
308	Baskoutas, S	Excitons and charged excitons in InAs nanorods	CHEMICAL PHYSICS LETTERS	404	1-3		107	111	2005
309	Vanakaras, AG; Photinos, DJ	Molecular theory of dendritic liquid crystals: self-organisation and phase transitions	JOURNAL OF MATERIALS CHEMISTRY	15	20	2002	2012		2005

310	Baskoutas, S	Novel formulation of the Hartree-Fock approximation: Effective band gap calculation of InAs nanorods	PHYSICS LETTERS A	341	1-4	303	307		2005
311	Peroukidis, SD; Vanakaras, AG; Photinos, DJ	A simple theory of molecular organization in fullerene-containing liquid crystals	JOURNAL OF CHEMICAL PHYSICS	123	16			164904	2005
312	Baskoutas, S; Terzis, AF	Binding energy calculation of excitonic trions in spherical quantum dots with the quantum adiabatic theorem	MICROELECTRONIC ENGINEERING	81	2-4	461	466		2005
313	Baskoutas, S; Terzis, AF	Biexciton luminescence in InAs nanorods	JOURNAL OF APPLIED PHYSICS	98	4			44309	2005
314	Kalonakis, KG; Paspalakis, E	Optical switching in a symmetric three-waveguide nonlinear directional coupler	JOURNAL OF MODERN OPTICS	52	13	1885	1892		2005
315	Yannopapas, V; Moroz, A	Negative refractive index metamaterials from inherently non-magnetic materials for deep infrared to terahertz frequency ranges	JOURNAL OF PHYSICS-CONDENSED MATTER	17	25	3717	3734		2005
316	Kapaklis, V; Pouloupoulos, P; Wilhelm, F; Jaouen, N; Rogalev, A; Politis, C	Near-edge x-ray absorption fine-structure fingerprints of bulk-amorphous and nanostructured Pd-based alloys	JOURNAL OF APPLIED PHYSICS	98	4			44319	2005
317	Bouropoulos, N; Kouzoudis, D; Grimes, C	The real-time, in situ monitoring of calcium oxalate and brushite precipitation using magnetoelastic sensors	SENSORS AND ACTUATORS B-CHEMICAL	109	2	227	232		2005
318	Terzis, AF; Paspalakis, E	Localization of an exciton in a quantum dot molecule by an ac-dc electric field	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2	1	154	160		2005
319	Paspalakis, E; Terzis, AF; Knight, PL	Quantum interference induced sub-wavelength atomic localization	JOURNAL OF MODERN OPTICS	52	12	1685	1694		2005

320	Aravantinos-Zafiridis, N; Paspalakis, E	Influence of the asymmetry of the potential on the dynamics of a two-level superconducting quantum interference device qubit	PHYSICAL REVIEW A	72	1			14303	2005
321	Gantzounis, G; Stefanou, N; Yannopoulos, V	Optical properties of a periodic monolayer of metallic nanospheres on a dielectric waveguide	JOURNAL OF PHYSICS-CONDENSED MATTER	17	12	1791	1802		2005
322	Kubakaddi, SS; Tsaousidou, M	Effect of the Pekar mechanism on the phonon-drag thermopower in p-type Si/Si _{1-x} Ge _x heterostructures	PHYSICAL REVIEW B	72	20			205304	2005
323	Fletcher, R; Tsaousidou, M; Smith, T; Coleridge, PT; Wasilewski, ZR; Feng, Y	Two-band electron transport in a double quantum well	PHYSICAL REVIEW B	71	15			155310	2005
324	Fatouros, DG; Bouropoulos, N; Ioannou, PV; Antimisiaris, SG	Stability and aggregation studies of non-sonicated arsonolipid-containing vesicles	CELLULAR & MOLECULAR BIOLOGY LETTERS	10	1	173	183		2005
325	Minogianni, C; Gatos, KG; Galiotis, C	Estimation of crystallinity in isotropic isotactic polypropylene with Raman spectroscopy	APPLIED SPECTROSCOPY	59	9	1141	1147		2005
326	Loppinet, B; Somma, E; Vainos, N; Fytas, G	Reversible holographic grating formation in polymer solutions	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	127	27	9678	9679		2005
327	Anagnostopoulos, G; Andreopoulos, AG; Parthenios, J; Galiotis, C	Global method for measuring stress in polymer fibers at elevated temperatures	APPLIED PHYSICS LETTERS	87	13			131910	2005
328	Stamatatos, TC; Dionyssopoulou, S; Efthymiou, G; Kyritsis, P; Raptopoulou, CP; Terzis, A; Vicente, R; Escuer, A; Perlepes, SP	The first cobalt metallacrowns: Preparation and characterization of mixed-valence cobalt(II/III), inverse 12-metallacrown-4 complexes	INORGANIC CHEMISTRY	44	10	3374	3376		2005

329	Miras, HN; Raptis, R; Baran, P; Lalioti, N; Harrison, A; Kabanos, TA	Novel compound with a 1D network structure constructed by $[(VO-O-IV)(6)(\mu(4)-O)(2)(\mu(3)-OH)(2)(\mu(3)-SO_3)(4)](2-)/SO_3^{2-}$ and 4,4'-bipyridine components: its synthesis, characterization, and magnetic behavior	COMPTEs RENDUS CHIMIE	8	6-7	957	962		2005
330	Anagnostopoulos, G; Parthenios, J; Andreopoulos, AG; Galiotis, C	An experimental and theoretical study of the stress transfer problem in fibrous composites	ACTA MATERIALIA	53	15	4173	4183		2005
331	Karayanni, M; Papavassiliou, G; Pissas, M; Fardis, M; Papagelis, K; Prassides, K; Takenobu, T; Iwasa, Y	B-11 NMR study of pure and lightly carbon-doped MgB ₂ superconductors	JOURNAL OF SUPERCONDUCTIVITY	18	4	521	528		2005
332	Arvanitidis, J; Christofilos, D; Papagelis, K; Takenobu, T; Iwasa, Y; Kataura, H; Ves, S; Kourouklis, GA	Double-wall carbon nanotubes under pressure: Probing the response of individual tubes and their intratube correlation	PHYSICAL REVIEW B	72	19			193411	2005
333	Katerelos, DG; McCartney, LN; Galiotis, C	Local strain re-distribution and stiffness degradation in cross-ply polymer composites under tension	ACTA MATERIALIA	53	12	3335	3343		2005
334	Miras, HN; Raptis, RG; Lalioti, N; Sigalas, MP; Baran, P; Kabanos, TA	A novel series of vanadium-sulfite polyoxometalates: synthesis, structural, and physical studies	CHEMISTRY-A EUROPEAN JOURNAL	11	8	2295	2306		2005
335	Terzis, AF; Paspalakis, E	High-order harmonic generation in a two-electron quantum dot molecule	JOURNAL OF APPLIED PHYSICS	97	2			23523	2005
336	Mazingue, T; Escoubas, L; Spalluto, L; Flory, F; Socol, G; Ristoscu, C; Axente, E; Grigorescu, S; Mihailescu, IN; Vainos, NA	Nanostructured ZnO coatings grown by pulsed laser deposition for optical gas sensing of butane	JOURNAL OF APPLIED PHYSICS	98	7			74312	2005

337	Arvanitidis, J; Christofilos, D; Papagelis, K; Andrikopoulos, KS; Takenobu, T; Iwasa, Y; Kataura, H; Ves, S; Kourouklis, GA	Pressure screening in the interior of primary shells in double-wall carbon nanotubes	PHYSICAL REVIEW B	71	12			125404	2005
338	Anagnostopoulos, G; Bollas, D; Parthenios, J; Psarras, GC; Galiotis, C	Determination of interface integrity in high volume fraction polymer composites at all strain levels	ACTA MATERIALIA	53	3	647	657		2005
339	Kapaklis, V; Politis, C; Pouloupoulos, P; Schweiss, P	Photoluminescence from silicon nanoparticles prepared from bulk amorphous silicon monoxide by the disproportionation reaction	APPLIED PHYSICS LETTERS	87	12			123114	2005
340	Kapaklis, V; Politis, C; Pouloupoulos, P; Schweiss, P	Photoluminescent Si nanoparticles embedded in silicon oxide matrix	MATERIALS SCIENCE AND ENGINEERING B-SOLID STATE MATERIALS FOR ADVANCED TECHNOLOGY	124		475	478		2005
341	Baskoutas, S; Terzis, AF; Voutsinas, E	Binding Energy of Donor States in a Quantum Dot with Parabolic Confinement	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	1	3	317	321		2004
342	Bouropoulos, C; Vagenas, N; Klepetsanis, P; Stavropoulos, N; Bouropoulos, N	Growth of calcium oxalate monohydrate on uric acid crystals at sustained supersaturation	CRYSTAL RESEARCH AND TECHNOLOGY	39	8	699	704		2004
343	Wilhelm, F; Angelakeris, M; Jaouen, N; Pouloupoulos, P; Papaioannou, ET; Mueller, C; Fumagalli, P; Rogalev, A; Flevaris, NK	Magnetic moment of Au at Au/Co interfaces: A direct experimental determination	PHYSICAL REVIEW B	69	22			220404	2004
344	Pouloupoulos, P; Wilhelm, F; Kapaklis, V; Jaoen, N; Angelakeris, M; Rogalev, A; Politis, C	CoCr-based alloys: Pt and Ta induced magnetic moments probed by X-ray magnetic circular dichroism	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	201	15	3243	3246		2004

345	Poulopoulos, P; Wilhelm, F; Li, Z; Scherz, A; Wende, H; Baberschke, K; Angelakeris, M; Flevaris, NK; Rogalev, A; Brookes, NB	Element-specific hysteresis loops and the anisotropy of the orbital moment of Pt in Ni/Pt multilayers	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	272		317	318		2004
346	Paspalakis, E; Terzis, AF	Localization effects in a two-electron quantum dot molecule: The case of AC-DC driving fields	JOURNAL OF APPLIED PHYSICS	95	3	1603	1605		2004
347	Paspalakis, E; Kylstra, NJ	Coherent manipulation of superconducting quantum interference devices with adiabatic passage	JOURNAL OF MODERN OPTICS	51	11	1679	1689		2004
348	Nunthel, R; Lindner, J; Poulopoulos, P; Baberschke, K	The influence of substrate preoxidation on the growth of Ni on Cu(110)	SURFACE SCIENCE	566		100	104		2004
349	Paspalakis, E; Kis, Z; Voutsinas, E; Terzis, AF	Controlled rotation in a double quantum dot structure	PHYSICAL REVIEW B	69	15			155316	2004
350	Papaioannou, E; Simeonidis, K; Valassiades, O; Vouroutzis, N; Angelakeris, M; Poulopoulos, P; Kostic, I; Flevaris, NK	Measurements of the magnetoresistance effect in Co/Pt multilayers grown on patterned substrates	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	272		E1323	E1325		2004
351	Terzis, AF; Paspalakis, E	Entanglement in a two-qubit Ising model under a site-dependent external magnetic field	PHYSICS LETTERS A	333	5-6	438	445		2004
352	Vlachos, A; Psycharis, V; Raptopoulou, CP; Lalioti, N; Sanakis, Y; Diamantopoulos, G; Fardis, M; Karayanni, M; Papavassiliou, G; Terzis, A	A nearly symmetric trinuclear chromium(III) oxo carboxylate assembly: preparation, molecular and crystal structure, and magnetic properties of [Cr3O(O2CPh)(6)(MeOH)(3)](NO3) center dot 2MeOH	INORGANICA CHIMICA ACTA	357	11	3162	3172		2004
353	Fletcher, R; Smith, T; Tsaousidou, M; Coleridge, PT; Wasilewski, ZR; Feng, Y	Thermopower of a double quantum well in a parallel magnetic field	PHYSICAL REVIEW B	70	15			155333	2004

354	Alexiou, M; Dendrinou-Samara, C; Raptopoulou, CP; Terzis, A; Tangoulis, V; Kessissoglou, DP	A cationic tetranuclear [Ni-4(II)(MeOH)(2)(pko)(6)](2+) cluster showing antiferro- and ferromagnetic features	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY		19	3822	3827		2004
355	Arvanitidis, J; Papagelis, K; Christofilos, D; Kimura, H; Kourouklis, GA; Ves, S	High pressure Raman study of Y3Al5O12	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	241	14	3149	3154		2004
356	Gatos, KG; Kandilioti, G; Galiotis, C; Gregoriou, VG	Mechanically and thermally induced chain conformational transformations between helical form I and trans-planar form III in syndiotactic polypropylene using FT-IR and Raman spectroscopic techniques	POLYMER	45	13	4453	4464		2004
357	Christofilos, A; Arvanitidis, J; Kampasakali, E; Papagelis, K; Ves, S; Kourouklis, GA	High pressure Raman study of BaMoO4	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	241	14	3155	3160		2004
358	Boudalis, AK; Tangoulis, V; Raptopoulou, CP; Terzis, A; Tuchagues, JP; Perlepes, SP	A new example of a tetranuclear iron(III) cluster containing the [Fe4O2](8+) core: preparation, X-ray crystal structure, magnetochemistry and Mossbauer study of [Fe4O2(O2CMe)(6)(N-3)(2)(phen)(2)]	INORGANICA CHIMICA ACTA	357	5	1345	1354		2004
359	Orkoula, MG; Kontoyannis, CG; Markopoulou, CK; Koundourellis, JE	Development of methodologies based on HPLC and Raman spectroscopy for monitoring the stability of lovastatin in solid state in the presence of gallic acid	JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS	35	5	1011	1016		2004

360	Goutianos, S; Galiotis, C; Peijs, T	Compressive failure mechanisms in multi-fibre microcomposites	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	35	4	461	475		2004
361	Voutsinas, E; Terzis, AF; Paspalakis, E	Control of electron localization in a coupled quantum dot structure	JOURNAL OF MODERN OPTICS	51	4	479	489		2004
362	Kis, Z; Paspalakis, E	Arbitrary rotation and entanglement of flux SQUID qubits	PHYSICAL REVIEW B	69	2			24510	2004
363	Possanzini, C; Fletcher, R; Tsaousidou, M; Coleridge, PT; Williams, RL; Feng, Y; Maan, JC	Thermopower of a p-type Si/Si _{1-x} Ge _x heterostructure	PHYSICAL REVIEW B	69	19			195306	2004
364	Kis, Z; Paspalakis, E	Controlled creation of entangled states of excitons in coupled quantum dots	JOURNAL OF APPLIED PHYSICS	96	6	3435	3439		2004
365	Bithelis, G; Bouropoulos, N; Liatsikos, EN; Perimenis, P; Koutsoukos, PG; Barbalias, GA	Assessment of encrustations on polyurethane ureteral stents	JOURNAL OF ENDOUROLOGY	18	6	550	556		2004
366	Thanopoulos, I; Paspalakis, E; Kis, Z	Laser-driven coherent manipulation of molecular chirality	CHEMICAL PHYSICS LETTERS	390	1-3	228	235		2004
367	Angelakis, DG; Knight, PL; Paspalakis, E	Photonic crystals and inhibition of spontaneous emission: an introduction	CONTEMPORARY PHYSICS	45	4	303	318		2004
368	Vanakaras, AG; Photinos, DJ	Polar molecular organisation in liquid crystals	MOLECULAR CRYSTALS AND LIQUID CRYSTALS	395		213	231		2003
369	Paspalakis, E	Localizing two interacting electrons in a driven quantum dot molecule	PHYSICAL REVIEW B	67	23			233306	2003
370	Christopoulos, DK; Photinos, DJ; Stimson, LM; Terzis, AF; Vanakaras, AG	Structure and nanomechanics of linear dendronised polymers: a molecular simulation study	JOURNAL OF MATERIALS CHEMISTRY	13	11	2756	2764		2003

371	Vanakaras, AG; Bates, MA; Photinos, DJ	Theory and simulation of biaxial nematic and orthogonal smectic phases formed by mixtures of board-like molecules	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	5	17	3700	3706		2003
372	Poulopoulos, P; Baskoutas, S; Kapaklis, V; Politis, C	Effects of transition-metal element addition on the stability of the supersaturated Ag-Cu solid solution by mechanical alloying	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	17	31-32	6019	6029		2003
373	Baskoutas, S; Lemis-Petropoulos, P; Kapaklis, V; Koveos, Y; Politis, C	Nanostructured and bulk amorphous Zr-based alloys prepared by mechanical alloying and arc melting	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	17	10	2035	2044		2003
374	Baskoutas, S; Terzis, AF; Politis, C	Stability of an exciton bound to an ionized acceptor in quantum dots	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	17	11	2273	2279		2003
375	Psarras, GC; Manolakaki, E; Tsangaris, GM	Dielectric dispersion and ac conductivity in-Iron particles loaded-polymer composites	COMPOSITES PART A- APPLIED SCIENCE AND MANUFACTURING	34	12	1187	1198		2003
376	Baskoutas, S; Schommers, W; Terzis, AF; Kapaklis, V; Rieth, M; Politis, C	Stability of an exciton bound to an ionized donor in quantum dots	PHYSICS LETTERS A	308	2-3	219	225		2003
377	Angelakeris, M; Papaioannou, ET; Poulopoulos, P; Valassiades, O; Flevaris, NK	Giant magnetoresistance response in Ag-Co multilayers and nanoparticles	SENSORS AND ACTUATORS A- PHYSICAL	106	1-3	91	95		2003
378	Smith, T; Tsaousidou, M; Fletcher, R; Coleridge, PT; Wasilewski, ZR; Feng, Y	Thermopower of a double quantum well based on GaAs	PHYSICAL REVIEW B	67	15			155328	2003
379	Kapaklis, V; Baskoutas, S; Politis, C	Glass forming ability of bulk and mechanically alloyed Zr ₅₅ Cu ₁₉ Ni ₈ Al ₈ Si ₅ Ti ₅ amorphous alloys	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	5	5	1255	1258		2003
380	Jannussis, A; Brodimas, G; Baskoutas, S; Leodaris, A	Non-Hermitian harmonic oscillator with discrete complex or real spectrum for non-unitary squeeze operators	JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL	36	10	2507	2516	PII S0305- 4470(03)38 729-3	2003

381	Milios, CJ; Kefalloniti, E; Raptopoulou, CP; Terzis, A; Vicente, R; Lalioti, N; Escuer, A; Perlepes, SP	Octanuclearity and tetradecanuclearity in manganese chemistry: an octanuclear manganese(II)/(III) complex featuring the novel $[\text{Mn}_8(\mu_4\text{-O})_2(\mu_3\text{-OH})_2](14^+)$ core and $[(\text{Mn}_{10}\text{Mn}_4\text{O}_4)\text{-Mn-III-O-III}(\text{O}_2\text{CMe})_{20}\{(2\text{-py})_2\text{C}(\text{OH})\text{O}\}_4](2\text{-py}=2\text{-pyridyl})$	CHEMICAL COMMUNICATIONS		7	819	821		2003
382	Fardis, M; Christides, C; Diamantopoulos, G; Psycharis, V; Raptopoulou, C; Tangoulis, V; Papavassiliou, G	Magnetic critical behavior in the $[\text{Cu}(1\text{-hydroxybenzotriazol-2-yl)}_2(\text{MeOH})]_n$ molecule-based random-field magnet	PHYSICAL REVIEW B	68	18			184415	2003
383	Bekiari, V; Judeinstein, P; Lianos, P	A sensitive fluorescent sensor of lanthanide ions	JOURNAL OF LUMINESCENCE	104	1-2	13	15	PII S0022-2313(02)00575-6	2003
384	Wutz, C; Samulski, ET; Photinos, DJ; Terzis, AF	Ordering of apolar and polar solutes in nematic phases as determined by NMR spectroscopy.	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	225		U596	U596		2003
385	Daoulas, KC; Mavrantzas, VG; Photinos, DJ	Detailed atomistic Monte Carlo simulation of grafted polymer melts: II. Orientational order and nuclear magnetic resonance spectra	JOURNAL OF CHEMICAL PHYSICS	118	3	1521	1532		2003
386	Wilhelm, F; Pouloupoulos, P; Scherz, A; Wende, H; Baberschke, K; Angelakeris, M; Flevaris, NK; Goulon, J; Rogalev, A	Interface magnetism in 3d/5d multilayers probed by X-ray magnetic circular dichroism	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	196	1	33	36		2003
387	Dingemans, T; Photinos, DJ; Samulski, ET; Terzis, AF; Wutz, C	Ordering of apolar and polar solutes in nematic solvents	JOURNAL OF CHEMICAL PHYSICS	118	15	7046	7061		2003

388	Alexiou, M; Tsvikas, I; Dendrinou-Samara, C; Pantazaki, AA; Trikalitis, P; Lalioti, N; Kyriakidis, DA; Kessissoglou, DP	High nuclearity nickel compounds with three, four or five metal atoms showing antibacterial activity	JOURNAL OF INORGANIC BIOCHEMISTRY	93	3-4	256	264	PII S0162-0134(02)00591-3	2003
389	Figuerola, A; Diaz, C; Ribas, J; Tangoulis, V; Granell, J; Lloret, F; Mahia, J; Maestro, M	Synthesis and characterization of heterodinuclear Ln(3+)-Fe3+ and Ln(3+)-Co3+ complexes, bridged by cyanide ligand (Ln(3+) = lanthanide ions). Nature of the magnetic interaction in the Ln(3+)-Fe3+ complexes	INORGANIC CHEMISTRY	42	2	641	649		2003
390	Figuerola, A; Diaz, C; Ribas, J; Tangoulis, V; Sangregorio, C; Gatteschi, D; Maestro, M; Mahia, J	Magnetism of cyano-bridged hetero-one-dimensional Ln(3+)-M3+ complexes (Ln(3+) = Sm, Gd, Yb; M3+ = Fe-LS, Co)	INORGANIC CHEMISTRY	42	17	5274	5281		2003
391	Kis, Z; Paspalakis, E	Enhancing nonlinear frequency conversion using spatially dependent coherence	PHYSICAL REVIEW A	68	4			43817	2003
392	Kotsakis, N; Raptopoulou, CP; Tangoulis, V; Terzis, A; Giapintzakis, J; Jakusch, T; Kiss, T; Salifoglou, A	Correlations of synthetic, spectroscopic, structural, and speciation studies in the biologically relevant cobalt(II)-citrate system: The tale of the first aqueous dinuclear cobalt(II)-citrate complex	INORGANIC CHEMISTRY	42	1	22	31		2003
393	Manos, MJ; Tasiopoulos, AL; Tolis, EL; Lalioti, N; Woollins, JD; Slawin, AMZ; Sigalas, MP; Kabanos, TA	A new class of ferromagnetically-coupled mixed valence vanadium(IV/V) polyoxometalates	CHEMISTRY-A EUROPEAN JOURNAL	9	3	695	703		2003
394	Poulopoulos, P; Angelakeris, M; Papaioannou, ET; Flevaris, NK; Niarchos, D; Nyvlt, M; Prosser, V; Visnovsky, S; Mueller, C; Fumagalli, P; Wilhelm, F; Rogalev, A	Structural, magnetic, and spectroscopic magneto-optical properties aspects of Pt-Co multilayers with intentionally alloyed layers	JOURNAL OF APPLIED PHYSICS	94	12	7662	7669		2003

395	Psarras, GC; Parthenios, J; Bollas, D; Galiotis, C	Stress and temperature self-sensing fibres	CHEMICAL PHYSICS LETTERS	367	3-4	270	277	PII S0009-2614(02)01683-4	2003
396	Diez, S; Dunmur, DA; De la Fuente, MR; Karahaliou, PK; Mehl, G; Meyer, T; Jubindo, MAP; Photinos, DJ	Dielectric studies of a laterally-linked siloxane ester dimer	LIQUID CRYSTALS	30	9	1021	1030		2003
397	Galindo, A; Haslam, AJ; Varga, S; Jackson, G; Vanakaras, AG; Photinos, DJ; Dunmur, DA	The phase behavior of a binary mixture of rodlike and disclike mesogens: Monte Carlo simulation, theory, and experiment	JOURNAL OF CHEMICAL PHYSICS	119	10	5216	5225		2003
398	Goutianos, S; Galiotis, C; Peijs, T	Mechanisms of stress transfer and interface integrity in carbon/epoxy composites under compression loading. Part II: Numerical approach	INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES	40	21	5521	5538		2003
399	Baskoutas, S; Kapaklis, V; Politis, C	Bulk amorphous Zr57Cu20Al10Ni8Ti5 and Zr55Cu19Al8Ni8Ti5Si5 alloys prepared by arc melting	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	16	24	3707	3714		2002
400	Paspalakis, E; Knight, PL	Transparency, slow light and enhanced nonlinear optics in a four-level scheme	JOURNAL OF OPTICS B- QUANTUM AND SEMICLASSICAL OPTICS	4	4	S372	S375	PII S1464-4266(02)37862-5	2002
401	Diamantopoulou, E; Raptopoulou, CP; Terzis, A; Tangoulis, V; Perlepes, SP	Heptanuclearity in nickel(II) chemistry: preparation, characterization, crystal structure and magnetic properties of [Ni-7(OH)(2)(acac)(8)(btaO)(4)(H2O)(2)] (btaO(-) = the 1-hydroxybenzotriazolite ion)	POLYHEDRON	21	21	2117	2126	PII S0277-5387(02)01158-0	2002
402	Baskoutas, S; Rieth, M; Terzis, AF; Kapaklis, V; Politis, C	Novel numerical method for the solution of Schrodinger's equation: Exciton energy of CdS quantum dots	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	16	27	4093	4103		2002

403	Karahaliou, PK; Vanakaras, AG; Photinos, DJ	Tilt order parameters, polarity, and inversion phenomena in smectic liquid crystals	PHYSICAL REVIEW E	65	3			31712	2002
404	Paspalakis, E; Kis, Z	Enhanced nonlinear generation in a three-level medium with spatially dependent coherence	OPTICS LETTERS	27	20	1836	1838		2002
405	Paspalakis, E; Kis, Z	Pulse propagation in a coherently prepared multilevel medium	PHYSICAL REVIEW A	66	2			25802	2002
406	Paspalakis, E; Knight, PL	Electromagnetically induced transparency and controlled group velocity in a multilevel system	PHYSICAL REVIEW A	66	1			15802	2002
407	Charalambopoulou, A; Bokias, G; Staikos, G	Template copolymerisation of N-isopropylacrylamide with a cationic monomer: influence of the template on the solution properties of the product	POLYMER	43	9	2637	2643	PII S0032-3861(02)00065-4	2002
408	Raptopoulou, CP; Tangoulis, V; Devlin, E	$[\{\text{Fe}(\text{OMe})_2[\text{O}_2\text{CC}(\text{OH})\text{Ph}-2]\}_2]_{12}$: Synthesis and characterization of a new member in the family of molecular ferric wheels with the carboxylatobis(alkoxo) bridging unit	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	41	13	2386	2389		2002
409	Paspalakis, E; Kylstra, NJ; Knight, PL	Propagation and nonlinear generation dynamics in a coherently prepared four-level system	PHYSICAL REVIEW A	65	5			53808	2002
410	Katsoulakou, E; Lalioti, N; Raptopoulou, CP; Terzis, A; Manessi-Zoupa, E; Perlepes, SP	Insights into the role of zinc(II) sites in hydrolytic enzymes: study of the Zn-II/X/(py) ₂ CO (X = Cl ⁻ , N-3(-), SO ₄ ²⁻ ; (py) ₂ CO=di-2-pyridyl ketone) reaction systems	INORGANIC CHEMISTRY COMMUNICATIONS	5	9	719	723	PII S1387-7003(02)00542-7	2002

411	Pistolis, G; Boyatzis, S; Chatzichristidi, M; Argitis, P	Highly efficient bicolor (green-blue) fluorescence imaging in polymeric films	CHEMISTRY OF MATERIALS	14	2	790	796		2002
412	Afrati, T; Dendrinou-Samara, C; Raptopoulou, CR; Terzis, A; Tangoulis, V; Kessissoglou, DP	A tetranuclear mixed-valent (Mn ³ Mn ^{IV})-Mn-II compound with a (μ ₄ -O)Mn-4 core	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	41	12	2148	2150		2002
413	Fardis, M; Diamantopoulos, G; Karayianni, M; Papavassiliou, G; Tangoulis, V; Konsta, A	H-1 NMR investigation of the spin dynamics of the spin-frustrated trinuclear Fe cluster (NH ₄)[Fe-3(μ ₃ -OH)(H ₂ L)(3)(HL)(3)] (H ₃ L = orotic acid)	PHYSICAL REVIEW B	65	1			14412	2002
414	Berardi, R; Orlandi, S; Photinos, DJ; Vanakaras, AG; Zannoni, C	Dipole strength effects on the polymorphism in smectic A mesophases	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	4	5	770	777		2002
415	Boudalis, AK; Lalioti, N; Spyroulias, GA; Raptopoulou, CP; Terzis, A; Bousseksou, A; Tangoulis, V; Tuchagues, JP; Perlepes, SP	Novel Rectangular [Fe-4(μ ₄ -OHO)(μ-OH)(2)](7+) versus Butterfly [Fe-4(μ ₃ -O)(2)](8+) core topology in the Fe-III/RCO ₂ -/phen reaction systems (R = Me, Ph; phen=1,10-phenanthroline): Preparation and properties of [Fe-4(OHO)(OH)(2)(O ₂ CMe)(4)(phen)(4)](ClO ₄)(3), [Fe ₄ O ₂ (O ₂ CPh)(7)(phen)(2)](ClO ₄), and [Fe ₄ O ₂ (O ₂ CPh)(8)(phen)(2)]	INORGANIC CHEMISTRY	41	24	6474	6487		2002
416	Athanasiou, NS; Politis, C; Spirlet, JC; Baskoutas, S; Kapaklis, V	The significance of valence electron concentration on the formation mechanism of some ternary aluminum-based quasicrystals	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	16	31	4665	4683		2002

417	Jankovics, H; Daskalakis, M; Raptopoulou, CP; Terzis, A; Tangoulis, V; Giapintzakis, J; Kiss, T; Salifoglou, A	Synthesis and structural and spectroscopic characterization of a complex between Co(II) and imino-bis(methylphosphonic acid): Gaining insight into biologically relevant metal-ion phosphonate interactions or looking at a new Co(II)-organophosphonate material?	INORGANIC CHEMISTRY	41	13	3366	3374		2002
418	Rieth, M; Schommers, W; Baskoutas, S	Exact numerical solution of Schrodinger's equation for a particle in an interaction potential of general shape	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	16	27	4081	4092		2002
419	Vanakaras, AG; Photinos, DJ	The smectic phase of spherical-fan-shaped molecules. A computer simulation study	CHEMICAL PHYSICS LETTERS	341	1-2	129	134		2001
420	Vanakaras, AG; Photinos, DJ	Ordered fluids of globular supermolecules	JOURNAL OF MATERIALS CHEMISTRY	11	11	2832	2838		2001
421	Kaliva, M; Giannadaki, T; Salifoglou, A; Raptopoulou, CP; Terzis, A; Tangoulis, V	pH-dependent investigations of vanadium(V)-peroxo-malate complexes from aqueous solutions. In search of biologically relevant vanadium(V)-peroxo species	INORGANIC CHEMISTRY	40	15	3711	3718		2001
422	Politis, C; Spiliotis, AD; Kapaklis, V; Baskoutas, S	Nanostructured multi-component materials by mechanical alloying	CHINESE PHYSICS	10		S27	S30		2001
423	Tsaramyrsi, M; Kaliva, M; Salifoglou, A; Raptopoulou, CP; Terzis, A; Tangoulis, V; Giapintzakis, J	Vanadium(IV)-citrate complex interconversions in aqueous solutions. A pH-dependent synthetic, structural, spectroscopic, and magnetic study	INORGANIC CHEMISTRY	40	23	5772	5779		2001

424	Skorda, K; Papaefstathiou, GS; Vafiadis, A; Lithoxidou, A; Raptopoulou, CP; Terzis, A; Psycharis, V; Bakalbassis, E; Tangoulis, V; Perlepes, SP	The [Cu-2(O2CMe)(4)(btd)(2)] complex as a bridging unit: preparation, characterisation, X-ray structure and magnetism of the 2D coordination polymer {[Cu-6(O2CMe)(8)(OMe)(4)(btd)(2)]}(n) (btd=2,1,3-benzothiadiazole)	INORGANICA CHIMICA ACTA	326	1	53	64		2001
-----	---	---	-------------------------	-----	---	----	----	--	------