

#	Title	Jurnal	Authors	IF	AIS	DOI	Q
1	Near infrared emission properties of Er doped cubic sesquioxides in the second/third biological windows	<i>SCIENTIFIC REPORTS</i> , 8 ,18033	Avram, D; Tiseanu, I; Vasile, BS; Florea, M; Tiseanu, C	4.122	1.356	10.1038/s41598-018-36639-y	Q1
2	Probing the dielectric, piezoelectric and magnetic behavior of CoFe ₂ O ₄ /BNT-BT0.08 composite thin film fabricated by sol-gel and spin-coating methods	<i>SCIENTIFIC REPORTS</i> , 8 ,17883	Cernea, M; Vasile, BS; Surdu, VA; Trusca, R; Bartha, C; Craciun, F; Galassi, C	4.122	1.356	10.1038/s41598-018-36232-3	Q1
3	Flexible Delivery Patch Systems based on Thermoresponsive Hydrogels and Submicronic Fiber Heaters	<i>SCIENTIFIC REPORTS</i> , 8 ,17555	Evangelidis, A; Beregoi, M; Diculescu, VC; Galatanu, A; Ganea, P; Enculescu, I	4.122	1.356	10.1038/s41598-018-35914-2	Q1
4	Full Tetragonal Phase Stabilization in ZrO ₂ Nanoparticles Using Wet Impregnation: Interplay of Host Structure, Dopant Concentration and Sensitivity of Characterization Technique	<i>NANOMATERIALS</i> , 8 ,988	Colbea, C; Avram, D; Cojocar, B; Negrea, R; Ghica, C; Kessler, VG; Seisenbaeva, GA; Parvulescu, V; Tiseanu, C	3.504	0.696	10.3390/nano8120988	Q1
5	(Fe, Nd) codoped ZnO micro- and nanostructures with multifunctional characteristics like photocatalytic activity, optical and ferromagnetic properties	<i>CERAMICS INTERNATIONAL</i> , 44 , pp.21962-21975	Diamandescu, L; Cernea, M; Tolea, F; Secu, EC; Trusca, R; Secu, M; Enculescu, M	3.057	0.437	10.1016/j.ceramint.2018.08.310	Q1

6	Delayed Transition to Coherent Emission in Nanolasers with Extended Gain Media	<i>PHYSICAL REVIEW APPLIED</i> , 10 ,54 055	Lohof, F; Barzel, R; Gartner, P; Gies, C	4.782	2.124	10.1103/PhysRevApplied.10.054055	Q1
7	Optoelectric charging-discharging of Ge nanocrystals in floating gate memory	<i>APPLIED PHYSICS LETTERS</i> , 113 ,2 13106	Palade, C; Slav, A; Lepadatu, AM; Maraloiu, AV; Dascalescu, I; Iftimie, S; Lazanu, S; Ciurea, ML; Stoica, T	3.495	0.927	10.1063/1.5039554	Q1
8	Hierarchical functionalization of electrospun fibers by electrodeposition of zinc oxide nanostructures	<i>APPLIED SURFACE SCIENCE</i> , 458 , pp.555-563	Matei, E; Busuioc, C; Evanghelidis, A; Zgura, I; Enculescu, M; Beregoi, M; Enculescu, I	4.439	0.627	10.1016/j.apsusc.2018.06.143	Q1
9	Zinc Oxide Spherical-Shaped Nanostructures: Investigation of Surface Reactivity and Interactions with Microbial and Mammalian Cells	<i>LANGMUIR</i> , 34 , pp.13638-13651	Visinescu, D; Hussien, MD; Moreno, JC; Negrea, R; Birjega, R; Somacescu, S; Ene, CD; Chifiriuc, MC; Popa, M; Stan, MS; Carp, O	3.789	0.964	10.1021/acs.langmuir.8b02528	Q1
10	Particularities of photocatalysis and formation of reactive oxygen species on insulators and semiconductors: cases of SiO ₂ , TiO ₂ and their composite SiO ₂ -TiO ₂	<i>CATALYSIS SCIENCE & TECHNOLOGY</i> , 8 , pp.5657-5668	Anastasescu, C; Negrila, C; Angelescu, DG; Atkinson, I; Anastasescu, M; Spataru, N; Zaharescu, M; Balint, I	5.365	1.105	10.1039/c8cy00991k	Q1

11	Reduced graphene oxide/iron oxide nanohybrid flexible electrodes grown by laser-based technique for energy storage applications	<i>CERAMICS INTERNATIONAL</i> , 44 , pp.20409-20416	Queralto, A; del Pino, AP; Logofatu, C; Datcu, A; Amade, R; Bertran-Serra, E; Gyorgy, E	3.057	0.437	10.1016/j.ceramint.2018.08.034	Q1
12	Structural and optical properties of optimized amorphous GeTe films for memory applications	<i>JOURNAL OF NON-CRYSTALLINE SOLIDS</i> , 499 , pp.1-7	Galca, AC; Sava, F; Simandan, ID; Bucur, C; Dumitru, V; Porosnicu, C; Mihai, C; Velea, A	2.488	0.427	10.1016/j.jnoncrsol.2018.07.007	Q1
13	Networked mesoporous SnO2 nanostructures templated by Brij (R) 35 with enhanced H2S selective performance	<i>MICROPOROUS AND MESOPOROUS MATERIALS</i> , 270 , pp.93-101	Stanoiu, A; Simion, CE; Sackmann, A; Baibarac, M; Florea, OG; Osiceanu, P; Teodorescu, VS; Somacescu, S	3.649	0.671	10.1016/j.micromeso.2018.05.008	Q1
14	Rolling dopant and strain in Y-doped BiFeO3 epitaxial thin films for photoelectrochemical water splitting	<i>SCIENTIFIC REPORTS</i> , 8 ,15826	Haydous, F; Scarisoreanu, ND; Birjega, R; Ion, V; Lippert, T; Dumitrescu, N; Moldovan, A; Andrei, A; Teodorescu, VS; Ghica, C; Negrea, R; Dinescu, M	4.122	1.356	10.1038/s41598-018-34010-9	Q1
15	Lincomycin-embedded PANI-based coatings for biomedical applications	<i>APPLIED SURFACE SCIENCE</i> , 455 , pp.653-666	Popescu-Pelin, G; Fufa, O; Popescu, RC; Savu, D; Socol, M; Zgura, I;	4.439	0.627	10.1016/j.apsusc.2018.06.016	Q1

			Holban, AM; Vasile, BS; Grumezescu, V; Socol, G				
16	Heavy doping of ceria by wet impregnation: a viable alternative to bulk doping approaches	<i>NANOSCALE</i> , 10 , pp.18043-18054	Florea, M; Avram, D; Maraloiu, VA; Cojocaru, B; Tiseanu, C	7.233	1.704	10.1039/c8nr03695k	Q1
17	How measurement protocols influence the dynamic J-V characteristics of perovskite solar cells: Theory and experiment	<i>SOLAR ENERGY</i> , 173 , pp.976-983	Nemnes, GA; Besleaga, C; Tomulescu, AG; Palici, A; Pintilie, L; Manolescu, A; Pintilie, I	4.374	0.799	10.1016/j.solener.2018.08.033	Q1
18	Hydroxyapatite coatings on Mg-Ca alloy prepared by Pulsed Laser Deposition: Properties and corrosion resistance in Simulated Body Fluid	<i>CERAMICS INTERNATIONAL</i> , 44 , pp.16678-16687	Rau, JV; Antoniac, I; Filipescu, M; Cotrut, C; Fosca, M; Nistor, LC; Birjega, R; Dinescu, M	3.057	0.437	10.1016/j.ceramint.2018.06.095	Q1
19	Palladium pincer complex incorporation onto the Fe ₃ O ₄ -entrapped cross-linked multilayered polymer as a high loaded nanocatalyst for oxidation'	<i>JOURNAL OF MOLECULAR LIQUIDS</i> , 266 , pp.393-404	Zohreh, N; Hosseini, SH; Tavakolizadeh, M; Busuioc, C; Negrea, R	4.513	0.570	10.1016/j.molliq.2018.06.076	Q1
20	Wide-Range Columnar and Lamellar Photoluminescent Liquid-Crystalline Lanthanide Complexes with Mesogenic 4-Pyridone Derivatives	<i>CHEMISTRY-A EUROPEAN JOURNAL</i> , 24 , pp.13512-13522	Chiriac, LF; Pasuk, I; Secu, M; Micutz, M; Circu, V	5.160	1.260	10.1002/chem.201801781	Q1

21	Polarization Orientation in Lead Zirconate Titanate (001) Thin Films Driven by the Interface with the Substrate	<i>PHYSICAL REVIEW APPLIED</i> , 10 ,34020	Tanase, LC; Abramiuc, LE; Popescu, DG; Trandafir, AM; Apostol, NG; Bucur, IC; Hrib, L; Pintilie, L; Pasuk, I; Trupina, L; Teodorescu, CM	4.782	2.124	10.1103/PhysRevApplied.10.034020	Q1
22	Enhanced near-infrared response of a silicon solar cell by using an up-conversion phosphor film of Yb/Er - co-doped CeO ₂	<i>SOLAR ENERGY</i> , 171 , pp.40-46	Grigoroscuta, M; Secu, M; Trupina, L; Enculescu, M; Besleaga, C; Pintilie, I; Badica, P	4.374	0.799	10.1016/j.solener.2018.06.057	Q1
23	Magnetism and magnetoresistance of single Ni-Cu alloy nanowires	<i>BEILSTEIN JOURNAL OF NANOTECHNOLOGY</i> , 9 , pp.2345-2355	Costas, A; Florica, C; Matei, E; Toimil-Molares, ME; Stavarache, I; Kuncser, A; Kuncser, V; Enculescu, I	2.968	0.745	10.3762/bjnano.9.219	Q1
24	Ferroelectric switching dynamics in 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ -0.5(Ba _{0.7} Ca _{0.3})TiO ₃ thin films	<i>APPLIED PHYSICS LETTERS</i> , 113 ,82903	Silva, JPB; Kamakshi, K; Negrea, RF; Ghica, C; Wang, J; Koster, G; Rijnders, G; Figueiras, F; Pereira, M; Gomes, MJM	3.495	0.927	10.1063/1.5044623	Q1
25	Orbital Ordering of the Mobile and Localized Electrons at Oxygen-Deficient LaAlO ₃ /SrTiO ₃ Interfaces	<i>ACS NANO</i> , 12 , pp.7927-7935	Chikina, A; Lechermann, F; Husanu, MA; Caputo, M; Cancellieri,	13.709	4.045	10.1021/acsnano.8b02335	Q1

			C; Wang, XQ; Schmitt, T; Radovic, M; Strocov, VN				
26	Highly Efficient, Easily Recoverable, and Recyclable Re-SiO ₂ -Fe ₃ O ₄ Catalyst for the Fragmentation of Lignin	<i>ACS SUSTAINABLE CHEMISTRY & ENGINEERING</i> , 6 , pp.9606-9618	Tudorache, M; Opris, C; Cojocaru, B; Apostol, NG; Tirsoaga, A; Coman, SM; Parvulescu, VI; Duraki, B; Krumeich, F; van Bokhoven, JA	6.140	1.142	10.1021/acssusc hemeng.7b0429 4	Q1
27	Versatile Actuators Based on Polypyrrole-Coated Metalized Eggshell Membranes	<i>ACS SUSTAINABLE CHEMISTRY & ENGINEERING</i> , 6 , pp.10173-10181	Beregoi, M; Preda, N; Evanghelidis, A; Costas, A; Enculescu, I	6.140	1.142	10.1021/acssusc hemeng.8b0148 9	Q1
28	Magneto-optical properties of Ce ³⁺ and Tb ³⁺ -doped silico-phosphate sol-gel thin films	<i>APPLIED SURFACE SCIENCE</i> , 448 , pp.474-480	Stefan, CR; Elisa, M; Vasiliu, IC; Sava, BA; Boroica, L; Sofronie, M; Tolea, F; Enculescu, M; Kuncser, V; Beldiceanu, A; Volceanov, A; Eftimie, M	4.439	0.627	10.1016/j.apsusc .2018.04.067	Q1
29	Thermal stability of phase change GaSb\GeTe, SnSe\GeTe and GaSb\SnSe double stacked films revealed by X-ray	<i>JOURNAL OF NON-CRYSTALLINE SOLIDS</i> , 492 , pp.11-17	Velea, A; Sava, F; Socol, G; Vlaicu, AM; Mihai, C; Lorinczi, A; Simandan, ID	2.488	0.427	10.1016/j.jnoncr ysol.2018.02.03 3	Q1

	reflectometry and X-ray diffraction						
30	k-space imaging of anisotropic 2D electron gas in GaN/GaAlN high-electron-mobility transistor heterostructures	<i>NATURE COMMUNICATIONS</i> , 9 ,2653	Lev, LL; Maiboroda, IO; Husanu, MA; Grichuk, ES; Chumakov, NK; Ezubchenko, IS; Chernykh, IA; Wang, X; Tobler, B; Schmitt, T; Zaveskin, ML; Valeyev, VG; Strocov, VN	12.353	5.685	10.1038/s41467-018-04354-x	Q1
31	Piezoelectric ferromagnetic BNT-BT0.08/CoFe2O4 coaxial core-shell composite nanotubes for nanoelectronic devices	<i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 752 , pp.381-388	Cernea, M; Vasile, BS; Surdu, VA; Trusca, R; Sima, M; Craciun, F; Galassi, C	3.779	0.574	10.1016/j.jallcom.2018.04.146	Q1
32	White-Light Emission of Dye-Doped Polymer Submicronic Fibers Produced by Electrospinning	<i>POLYMERS</i> , 10 , 737	Enculescu, M; Evanghelidis, A; Enculescu, I	2.935	0.700	10.3390/polym10070737	Q1
33	Different-Length Hydrazone Activated Polymers for Plasmid DNA Condensation and Cellular Transfection	<i>BIOMACROMOLECULES</i> , 19 , pp.2638-2649	Priegue, JM; Lostale-Seijo, I; Crisan, D; Granja, JR; Fernandez-Trillo, F; Montenegro, J	5.738	1.279	10.1021/acs.bio mac.8b00252	Q1
34	Inhibitory effect of three phenacyl derivatives on the oxidation of sphalerite (ZnS) in	<i>CORROSION SCIENCE</i> , 138 , pp.154-162	Chirita, P; Duinea, MI; Sandu, AM; Birsu, LM; Sarbu, LG; Baibarac, M;	4.862	0.890	10.1016/j.corsci.2018.04.017	Q1

	air-equilibrated acidic solution		Sava, F; Popescu, M; Matei, E				
35	Localization Properties of Zig-Zag Edge States in Disordered Phosphorene	<i>PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS</i> , 12 ,18 00051	Nita, M; Ostahie, B; Tolea, M; Aldea, A	3.721	0.755	10.1002/pssr.201800051	Q1
36	Epitaxial growth of single-orientation high-quality MoS2 monolayers	<i>2D MATERIALS</i> , 5 ,3 5012	Bana, H; Travaglia, E; Bignardi, L; Lacovig, P; Sanders, CE; Dendzik, M; Michiardi, M; Bianchi, M; Lizzit, D; Presel, F; De Angelis, D; Apostol, N; Das, PK; Fujii, J; Vobornik, I; Larciprete, R; Baraldi, A; Hofmann, P; Lizzit, S	7.042	2.646	10.1088/2053-1583/aabb74	Q1
37	H2S selective sensitivity of Cu doped BaSrTiO3 under operando conditions and the associated sensing mechanism	<i>SENSORS AND ACTUATORS B-CHEMICAL</i> , 264 , pp.327-336	Stanoiu, A; Piticescu, RM; Simion, CE; Rusti-Ciobota, CF; Florea, OG; Teodorescu, VS; Osiceanu, P; Sobetkii, A; Badilita, V	5.667	0.787	10.1016/j.snb.2018.03.013	Q1
38	The improvement of SiO2 nanotubes electrochemical behavior by hydrogen atmosphere thermal treatment	<i>APPLIED SURFACE SCIENCE</i> , 444 , pp.216-223	Spataru, N; Anastasescu, C; Radu, MM; Balint, I; Negriila, C;	4.439	0.627	10.1016/j.apsusc.2018.03.074	Q1

			Spataru, T; Fujishima, A				
39	Polyaniline photoluminescence quenching induced by single-walled carbon nanotubes enriched in metallic and semiconducting tubes	<i>SCIENTIFIC REPORTS</i> , 8 ,9518	Baibarac, M; Matea, A; Daescu, M; Mercioniu, I; Quillard, S; Mevellec, JY; Lefrant, S	4.122	1.356	10.1038/s41598-018-27769-4	Q1
40	Compressive properties of pristine and SiC-Te-added MgB2 powders, green compacts and spark-plasma-sintered bulks	<i>CERAMICS INTERNATIONAL</i> AL , 44 , pp.10181-10191	Badica, P; Batalu, D; Burdusel, M; Grigoroscuta, MA; Aldica, GV; Enculescu, M; Gabor, RA; Wang, ZY; Huang, RX; Li, PF	3.057	0.437	10.1016/j.ceramint.2018.03.008	Q1
41	Synthesis and characterization of CoFe2O4/BNT-BT0.08 core shell nanotubes by a template based sol-gel method	<i>CERAMICS INTERNATIONAL</i> AL , 44 , pp.10813-10819	Cernea, M; Vasile, BS; Surdu, VA; Trusca, R; Craciun, F; Galassi, C	3.057	0.437	10.1016/j.ceramint.2018.03.123	Q1
42	On the properties of organic heterostructures prepared with nano-patterned metallic electrode	<i>APPLIED SURFACE SCIENCE</i> , 443 , pp.592-602	Breazu, C; Socol, M; Preda, N; Matei, E; Rasoga, O; Girtan, M; Mallet, R; Stanculescu, F; Stanculescu, A	4.439	0.627	10.1016/j.apsusc.2018.02.103	Q1
43	Combined use of Mossbauer spectroscopy, XPS, HRTEM, dielectric and anelastic spectroscopy for	<i>PHYSICAL CHEMISTRY CHEMICAL PHYSICS</i> , 20 , pp.14652-14663	Craciun, F; Cordero, F; Vasile, BS; Fruth, V; Zaharescu, M; Atkinson,	3.906	1.078	10.1039/c8cp01456f	Q1

	estimating incipient phase separation in lead titanate-based multiferroics		I; Trusca, R; Diamandescu, L; Tanase, LC; Galizia, P; Cernea, M; Galassi, C				
44	Engineering active sites on reduced graphene oxide by hydrogen plasma irradiation: mimicking bifunctional metal/supported catalysts in hydrogenation reactions	<i>GREEN CHEMISTRY</i> , 20 , pp.2611-2623	Primo, A; Franconetti, A; Magureanu, M; Mandache, NB; Bucur, C; Rizescu, C; Cojocaru, B; Parvulescu, VI; Garcia, H	8.586	1.580	10.1039/c7gc03397d	Q1
45	Thermodynamic, structural and magnetic studies of phase transformations in MnAl nanocomposite alloys	<i>MATERIALS CHARACTERIZATION</i> , 140 , pp.1-8	Crisan, AD; Vasiliu, F; Nicula, R; Bartha, C; Mercioniu, I; Crisan, O	2.892	0.692	10.1016/j.matchar.2018.03.034	Q1
46	Ferroelectric photovoltaic characteristics of pulsed laser deposited 0.5Ba (Zr0.2Ti0.8)O-3-0.5(Ba0.7Ca0.3)TiO3/ZnO heterostructures	<i>SOLAR ENERGY</i> , 167 , pp.18-23	Silva, JPB; Sekhar, KC; Cortes-Juan, F; Negrea, RF; Kuncser, AC; Connolly, JP; Ghica, C; Moreira, JA	4.374	0.799	10.1016/j.solener.2018.03.072	Q1
47	Gallium incorporation into phosphate based glasses: Bulk and thin film properties	<i>JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS</i> , 82 , pp.371-382	Stuart, BW; Grant, CA; Stan, GE; Popa, AC; Titman, JJ; Grant, DM	3.239	0.791	10.1016/j.jmbbm.2018.03.041	Q1
48	Branch-like NiO/ZnO heterostructures for VOC sensing	<i>SENSORS AND ACTUATORS B-CHEMICAL</i> , 262 , pp.477-485	Kaur, N; Zappa, D; Ferroni, M; Poli, N;	5.667	0.787	10.1016/j.snb.2018.02.042	Q1

			Campanini, M; Negrea, R; Comini, E				
49	New bio-active, antimicrobial and adherent coatings of nanostructured carbon double-reinforced with silver and silicon by Matrix-Assisted Pulsed Laser Evaporation for medical applications	<i>APPLIED SURFACE SCIENCE</i> , 441 , pp.871-883	Duta, L; Ristoscu, C; Stan, GE; Husanu, MA; Besleaga, C; Chifiriuc, MC; Lazar, V; Bleotu, C; Miculescu, F; Mihailescu, N; Axente, E; Badiceanu, M; Bociaga, D; Mihailescu, IN	4.439	0.627	10.1016/j.apsusc.2018.02.047	Q1
50	Large positive linear magnetoresistance in the two-dimensional t(2g) electron gas at the EuO/SrTiO3 interface	<i>SCIENTIFIC REPORTS</i> , 8 , 7721	Kormondy, KJ; Gao, LY; Li, X; Lu, SR; Posadas, AB; Shen, SD; Tsoi, M; McCartney, MR; Smith, DJ; Zhou, JS; Lev, LL; Husanu, MA; Strocov, VN; Demkov, AA	4.122	1.356	10.1038/s41598-018-26017-z	Q1
51	Photocatalytic activity of wool fabrics deposited at low temperature with ZnO or TiO2 nanoparticles: Methylene blue degradation as a test reaction	<i>CATALYSIS TODAY</i> , 306 , pp.251-259	Frunza, L; Diamandescu, L; Zgura, I; Frunza, S; Ganea, CP; Negrila, CC; Enculescu, M; Birzu, M	4.667	0.868	10.1016/j.cattod.2017.02.044	Q1
52	Influence of Mn content on the catalytic properties of Cu(Mn)-Zn-Mg-	<i>CATALYSIS TODAY</i> , 306 , pp.276-286	Raciulete, M; Layrac, G; Papa, F; Negrila, C;	4.667	0.868	10.1016/j.cattod.2017.01.013	Q1

	Al mixed oxides derived from LDH precursors in the total oxidation of methane		Tichit, D; Marcu, IC				
53	Voltammetric and atomic force microscopy characterization of chymotrypsin, trypsin and caspase activities of proteasome	<i>CATALYSIS TODAY</i> , 306 , pp.287-293	de Jesus, CSH; Paquim, AMC; Diculescu, VC	4.667	0.868	10.1016/j.cattod.2017.01.012	Q1
54	Structure of high-resolution K beta(1,3) x-ray emission spectra for the elements from Ca to Ge	<i>PHYSICAL REVIEW A</i> , 97 ,52505	Ito, Y; Tochio, T; Yamashita, M; Fukushima, S; Vlaicu, AM; Syrocki, L; Slabkowska, K; Weder, E; Polasik, M; Sawicka, K; Indelicato, P; Marques, JP; Sampaio, JM; Guerra, M; Santos, JP; Parente, F	2.909	0.899	10.1103/PhysRevA.97.052505	Q1
55	Hysteretic Characteristics of Pulsed Laser Deposited 0.5Ba(Zr0.2Ti0.8)O-3-0.5(Ba0.7Ca0.3)TiO3/ZnO Bilayers	<i>ACS APPLIED MATERIALS & INTERFACES</i> , 10 , pp.15240-15249	Silva, JPB; Wang, J; Koster, G; Rijnders, G; Negrea, RF; Ghica, C; Sekhar, KC; Moreira, JA; Gomes, MJM	8.097	1.634	10.1021/acsami.8b01695	Q1
56	Antimicrobial Activity of New Materials Based on Lavender and Basil Essential Oils and Hydroxyapatite	<i>NANOMATERIALS</i> , 8 ,291	Predoi, D; Iconaru, SL; Buton, N; Badea, ML; Marutescu, L	3.504	0.696	10.3390/nano8050291	Q1

57	Photoelectrochemical response of carbon dots (CDs) derived from chitosan and their use in electrochemical imaging	<i>MATERIALS HORIZONS</i> , 5 , pp.423-428	Zhang, DW; Papaioannou, N; David, NM; Luo, H; Gao, H; Tanase, LC; Degousee, T; Samori, P; Sapelkin, A; Fenwick, O; Titirici, MM; Krause, S	13.183	3.148	10.1039/c7mh00784a	Q1
58	Physical-chemical characterization and biological assessment of simple and lithium-doped biological-derived hydroxyapatite thin films for a new generation of metallic implants	<i>APPLIED SURFACE SCIENCE</i> , 439 , pp.724-735	Popescu, AC; Florian, PE; Stan, GE; Popescu-Pelin, G; Zgura, I; Enculescu, M; Oktar, FN; Trusca, R; Sima, LE; Roseanu, A; Duta, L	4.439	0.627	10.1016/j.apsusc.2018.01.008	Q1
59	Influence of cobalt ferrite content on the structure and magnetic properties of (CoFe ₂ O ₄) _x (SiO ₂ -PVA) _(100-X) nanocomposites	<i>CERAMICS INTERNATIONAL</i> , 44 , pp.7891-7901	Dippong, T; Cadar, O; Levei, EA; Deac, IG; Diamandescu, L; Barbu-Tudoran, L	3.057	0.437	10.1016/j.ceramint.2018.01.226	Q1
60	Influence of the modulated two-step synthesis of biogenic hydroxyapatite on biomimetic products' surface	<i>APPLIED SURFACE SCIENCE</i> , 438 , pp.147-157	Miculescu, F; Mocanu, AC; Stan, GE; Miculescu, M; Maidaniuc, A; Cimpean, A; Mitran, V; Voicu, SI; Machedon-Pisu, T; Ciocan, LT	4.439	0.627	10.1016/j.apsusc.2017.07.144	Q1
61	Graphene growth by molecular beam	<i>NANOSCALE</i> , 10 , pp.7396-7406	Presel, F; Tetlow, H;	7.233	1.704	10.1039/c8nr00615f	Q1

	epitaxy: an interplay between desorption, diffusion and intercalation of elemental C species on islands		Bignardi, L; Lacovig, P; Tache, CA; Lizzit, S; Kantorovich, L; Baraldi, A				
62	Ambiguous Role of Growth-Induced Defects on the Semiconductor-to-Metal Characteristics in Epitaxial VO ₂ /TiO ₂ Thin Films	<i>ACS APPLIED MATERIALS & INTERFACES</i> , 10 , pp.14132-14144	Mihailescu, CN; Symeou, E; Svoukis, E; Negrea, RF; Ghica, C; Teodorescu, V; Tanase, LC; Negrila, C; Giapintzakis, J	8.097	1.634	10.1021/acsami.8b01436	Q1
63	The adsorption of silicon on an iridium surface ruling out silicene growth	<i>NANOSCALE</i> , 10 , pp.7085-7094	Satta, M; Lacovig, P; Apostol, N; Dalmiglio, M; Orlando, F; Bignardi, L; Bana, H; Travaglia, E; Baraldi, A; Lizzit, S; Larciprete, R	7.233	1.704	10.1039/c8nr00648b	Q1
64	Strong composition dependence of resistive switching in Ba _{1-x} Sr _x TiO ₃ thin films on semiconducting substrates and its thermodynamic analysis	<i>ACTA MATERIALIA</i> , 48 , pp.419-431	Mohammadm oradi, O; Sen, C; Boni, AG; Pintilie, L; Misirlioglu, IB	6.036	1.673	10.1016/j.actamat.2018.02.015	Q1
65	Bismuth and lead oxides codoped boron phosphate glasses for Faraday rotators	<i>CERAMICS INTERNATIONAL</i> , 44 , pp.6016-6025	Sava, BA; Boroica, L; Elisa, M; Shikimaka, O; Grabco, D; Popa, M; Barbos, Z; Iordanescu,	3.057	0.437	10.1016/j.ceramint.2017.12.205	Q1

			R; Niculescu, AM; Kuncser, V; Galca, AC; Eftimie, M; Monteiro, RCC				
66	H ₂ S sensing mechanism of SnO ₂ -CuWO ₄ operated under pulsed temperature modulation	<i>SENSORS AND ACTUATORS B-CHEMICAL</i> , 259 , pp.258-268	Simion, CE; Somacescu, S; Teodorescu, VS; Osiceanu, P; Stanoiu, A	5.667	0.787	10.1016/j.snb.2017.12.027	Q1
67	Synthesis of graphene-based photocatalysts for water splitting by laser-induced doping with ionic liquids	<i>CARBON</i> , 130 , pp.48-58	del Pino, AP; Gonzalez-Campo, A; Giraldo, S; Peral, J; Gyorgy, E; Logofatu, C; deMello, AJ; Puigmarti-Luis, J	7.082	1.390	10.1016/j.carbon.2017.12.116	Q1
68	Yellow laser potential of cubic Ca-3(Nb,Ga)(5)O-12:Dy ³⁺ and Ca-3(Li,Nb,Ga)(5)O-12:Dy ³⁺ single crystals	<i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , 739 , pp.806-816	Gheorghe, C; Hau, S; Gheorghe, L; Voicu, F; Greculeasa, M; Enculescu, M; Belikov, KN; Bryleva, EY; Gaiduk, OV	3.779	0.574	10.1016/j.jallcom.2017.12.259	Q1
69	Dense Ge nanocrystals embedded in TiO ₂ with exponentially increased photoconduction by field effect	<i>SCIENTIFIC REPORTS</i> , 8 , 4898	Lepadatu, AM; Slav, A; Palade, C; Dascalescu, I; Enculescu, M; Iftimie, S; Lazanu, S; Teodorescu, VS; Ciurea, ML; Stoica, T	4.122	1.356	10.1038/s41598-018-23316-3	Q1

70	Cracks and nanodroplets produced on tungsten surface samples by dense plasma jets	<i>APPLIED SURFACE SCIENCE</i> , 434 , pp.1122-1128	Ticos, CM; Galatanu, M; Galatanu, A; Luculescu, C; Scurtu, A; Udrea, N; Ticos, D; Dumitru, M	4.439	0.627	10.1016/j.apsusc.2017.11.057	Q1
71	Influence of Gd and Pr doping on the properties of ceria: texture, structure, redox behaviour and reactivity in CH ₄ /H ₂ O reactions in the presence of H ₂ S	<i>CATALYSIS SCIENCE & TECHNOLOGY</i> , 8 , pp.1333-1348	Florea, M; Postole, G; Matei-Rutkovska, F; Urda, A; Neatu, F; Massin, L; Gelin, P	5.365	1.105	10.1039/c7cy02192e	Q1
72	Effect of green body annealing on laser performance of YAG:Nd ³⁺ ceramics	<i>CERAMICS INTERNATIONAL</i> , 44 , pp.4487-4490	Yavetskiy, RP; Parkhomenko, SV; Vorona, IO; Tolmachev, AV; Kosyanov, DY; Kuryavyi, VG; Mayorov, VY; Gheorghe, L; Croitoru, G; Enculescu, M	3.057	0.437	10.1016/j.ceramint.2017.11.192	Q1
73	Triggering surface ferroelectric order in Pb(Zr, Ti)O ₃ (001) by deposition of platinum	<i>APPLIED SURFACE SCIENCE</i> , 432 , pp.27-33	Bucur, IC; Tanase, LC; Abramiuc, LE; Lungu, GA; Chirila, C; Trupina, L; Apostol, NG; Costescu, RM; Negrea, RF; Pintilie, L;	4.439	0.627	10.1016/j.apsusc.2017.04.238	Q1

			Teodorescu, CM				
74	Spherical cobalt/cobalt oxide - Carbon composite anodes for enhanced lithium-ion storage	<i>ELECTROCHIMICA ACTA</i> , 264 , pp.191-202	Patrinoiu, G; Etacheri, V; Somacescu, S; Teodorescu, VS; Birjega, R; Culita, DC; Hong, CN; Calderon-Moreno, JM; Pol, VG; Carp, O	5.116	0.832	10.1016/j.electacta.2018.01.098	Q1
75	Thermophysical properties of Cu-ZrO ₂ composites as potential thermal barrier materials for a DEMO W-monoblock divertor	<i>FUSION ENGINEERING AND DESIGN</i> , 127 , pp.179-184	Galatanu, M; Enculescu, M; Galatanu, A	1.437	0.281	10.1016/j.fusengdes.2018.01.011	Q1
76	CdS/ZnS-doped silico-phosphate films prepared by sol-gel synthesis	<i>JOURNAL OF NON-CRYSTALLINE SOLIDS</i> , 481 , pp.435-440	Rusu, MI; Stefan, CR; Elisa, M; Feraru, ID; Vasiliu, IC; Bartha, C; Trusca, RD; Vasile, E; Peretz, S	2.488	0.427	10.1016/j.jnoncrsol.2017.11.025	Q1
77	Impact of thickness variation on structural, dielectric and piezoelectric properties of (Ba, Ca) (Ti, Zr)O ₃ epitaxial thin films	<i>SCIENTIFIC REPORTS</i> , 8 ,2056	Ion, V; Craciun, F; Scarisoreanu, ND; Moldovan, A; Andrei, A; Birjega, R; Ghica, C; Di Pietrantonio, F; Cannata, D; Benetti, M; Dinescu, M	4.122	1.356	10.1038/s41598-018-20149-y	Q1

78	Enhanced UV- and visible-light driven photocatalytic performances and recycling properties of graphene oxide/ZnO hybrid layers	<i>CERAMICS INTERNATIONAL</i> , 44 , pp.1826-1835	Gyorgy, E; Logofatu, C; del Pino, AP; Datcu, A; Pascu, O; Ivan, R	3.057	0.437	10.1016/j.ceramint.2017.10.117	Q1
79	Coordination environment of Zn in foraminifera <i>Elphidium aculeatum</i> and <i>Quinqueloculina seminula</i> shells from a polluted site	<i>CHEMICAL GEOLOGY</i> , 477 , pp.100-111	de Giudici, G; Meneghini, C; Medas, D; Buosi, C; Zuddas, P; Iadecola, A; Mathon, O; Cherchi, A; Kuncser, AC	3.570	1.560	10.1016/j.chemgeo.2017.12.009	Q1
80	Dielectric properties of a bisimidazolium salt with dodecyl sulfate anion doped with carbon nanotubes	<i>BEILSTEIN JOURNAL OF NANOTECHNOLOGY</i> , 9 , pp.164-174	Maximean, DM; Circu, V; Ganea, CP	2.968	0.745	10.3762/bjnano.9.19	Q1
81	Material parameters from frequency dispersion simulation of floating gate memory with Ge nanocrystals in HfO ₂	<i>APPLIED SURFACE SCIENCE</i> , 428 , pp.698-702	Palade, C; Lepadatu, AM; Slav, A; Lazanu, S; Teodorescu, VS; Stoica, T; Ciurea, ML	4.439	0.627	10.1016/j.apsusc.2017.09.038	Q1
82	Influence of In-Gap States on the Formation of Two-Dimensional Election Gas at ABO(3)/SrTiO ₃ Interfaces	<i>SCIENTIFIC REPORTS</i> , 8 , 195	Li, CJ; Xue, HX; Qu, GL; Shen, SC; Hong, YP; Wang, XX; Liu, MR; Jiang, WM; Badica, P; He, L; Dou, RF; Xiong, CM; Lu, WM; Nie, JC	4.122	1.356	10.1038/s41598-017-18583-5	Q1

83	Surface States- and Field-Effects at GaAs(100) Electrodes in Sodium Dodecyl Sulfate Acid Solution	<i>JOURNAL OF THE ELECTROCHEMICAL SOCIETY</i> , 165 , pp.H3008-H3017	Enache, M; Negrila, C; Anastasescu, M; Dobrescu, G; Lazarescu, MF; Lazarescu, V	3.662	0.726	10.1149/2.0031804jes	Q1
84	Effect of Li doping on the electric and pyroelectric properties of ZnO thin films	<i>APPLIED SURFACE SCIENCE</i> , 427 , pp.29-37	Trinca, LM; Galca, AC; Boni, AG; Botea, M; Pintilie, L	4.439	0.627	10.1016/j.apsusc.2017.08.009	Q1
85	X-ray Crystal Structure, Geometric Isomerism, and Antimicrobial Activity of New Copper(II) Carboxylate Complexes with Imidazole Derivatives	<i>MOLECULES</i> , 23 ,3253	Vlaicu, ID; Borodi, G; Scaeteanu, GV; Chifiriuc, MC; Marutescu, L; Popa, M; Stefan, M; Mercioniu, IF; Maurer, M; Daniliuc, CG; Olar, R; Badea, M	3.098	0.631	10.3390/molecules23123253	Q2
86	Zinc incorporation in marine bivalve shells grown in mine-polluted seabed sediments: a case study in the Malfidano mining area (SW Sardinia, Italy)	<i>ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH</i> , 25 , pp.36645-36660	Medas, D; Carlomagno, I; Meneghini, C; Aquilanti, G; Araki, T; Bedolla, DE; Buosi, C; Casu, MA; Gianoncelli, A; Kuncser, AC; Maraloiu, VA; De Giudici, G	2.800	0.557	10.1007/s11356-018-3504-y	Q2
87	Functional properties improvement of Ag-ZnO thin films using Inconel 600 interlayer produced	<i>THIN SOLID FILMS</i> , 667 , pp.76-87	Lungu, MV; Sobetkii, A; Sobetkii, AA; Patroi, D; Prioteasa, P;	1.939	0.356	10.1016/j.tsf.2018.09.055	Q2

	by electron beam evaporation technique		Ion, I; Negrila, CC; Chifiriuc, MC				
88	Adsorption of Pb (II) Ions onto Hydroxyapatite Nanopowders in Aqueous Solutions	<i>MATERIALS</i> , 11 , 2204	Iconaru, SL; Motelica-Heino, M; Guegan, R; Beuran, M; Costescu, A; Predoi, D	2.467	0.625	10.3390/ma11112204	Q2
89	Cationic Substitutions in Hydroxyapatite: Current Status of the Derived Biofunctional Effects and Their In Vitro Interrogation Methods	<i>MATERIALS</i> ,, pp.-	Tite, T; Popa, AC; Balescu, LM; Bogdan, IM; Pasuk, I; Ferreira, JMF; Stan, GE	2.467	0.625		Q2
90	Development of Zinc-Doped Hydroxyapatite by Sol-Gel Method for Medical Applications	<i>MOLECULES</i> , 2 3,2986	Negrila, CC; Predoi, MV; Iconaru, SL; Predoi, D	3.098	0.631	10.3390/molecules23112986	Q2
91	From Glucose Direct to Succinic Acid: an Optimized Recyclable Bi-functional Ru@MNP-MWCNT Catalyst	<i>TOPICS IN CATALYSIS</i> , 61 , pp.1866-1876	Podolean, I; Cojocaru, B; Garcia, H; Teodorescu, C; Parvulescu, VI; Coman, SM	2.439	0.603	10.1007/s11244-018-1012-4	Q2
92	Organometallic compounds for photovoltaic applications	<i>INORGANICA CHIMICA ACTA</i> , 483 , pp.448-453	Ciobotaru, IC; Polosan, S; Ciobotaru, CC	2.264	0.292	10.1016/j.ica.2018.08.042	Q2
93	Crystal growth and structural characterization of Sm ³⁺ , Pr ³⁺ and Dy ³⁺ - doped CNGG and CLNGG single crystals	<i>OPTICAL MATERIALS</i> , 84 , pp.335-338	Gheorghe, L; Greculeasa, M; Voicu, F; Gheorghe, C; Hau, S; Vlaicu, AM; Belikov, KN;	2.320	0.403	10.1016/j.optmat.2018.07.029	Q2

			Bryleva, EY; Gaiduk, OV				
94	Thermal analysis, microstructure and impurity phases evolution in Fe ₁₄ Cr ferritic steel powders ball-milled in air and under an argon atmosphere	<i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i> , 134 , pp.463-474	Mihalache, V; Mercioniu, I; Aldica, G; Pasuk, I	2.209	0.279	10.1007/s10973-018-7274-z	Q2
95	Thermal, spectral and biological investigation of new nickel complexes with imidazole derivatives	<i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i> , 134 , pp.503-512	Vlaicu, ID; Olar, R; Scaeteanu, GV; Silvestro, L; Maurer, M; Stanica, N; Badea, M	2.209	0.279	10.1007/s10973-018-7133-y	Q2
96	Vortex dynamics driven by AC magnetic field in YBCO thin films with complex pinning structures	<i>SUPERCONDUCTOR SCIENCE & TECHNOLOGY</i> , 31 , 105012	Ivan, I; Ionescu, AM; Sandu, V; Crisan, A; Miu, L	2.861	0.821	10.1088/1361-6668/aadbfd	Q2
97	Electric and magnetic properties of ferromagnetic/piezoelectric bilayered composite	<i>JOURNAL OF MATERIALS SCIENCE</i> , 53 , pp.14160-14171	Cernea, M; Vasile, BS; Surdu, VA; Trusca, R; Bartha, C; Craciun, F; Galassi, C	2.993	0.554	10.1007/s10853-018-2673-x	Q2
98	Effects of a surfactant on the morphology and photocatalytic properties of polycrystalline Fe-doped ZnO powders	<i>JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS</i> , 121 , pp.319-328	Diamandescu, L; Cernea, M; Trusca, R; Enculescu, M; Tanase, L; Baibarac, M; Feder, M; Nicoara, AI; Popescu, T	2.207	0.371	10.1016/j.jpics.2018.05.041	Q2
99	Edge-state mechanism for the anomalous quantum Hall effect in a	<i>PHYSICAL REVIEW B</i> , 98 , 125403	Ostahie, B; Nita, M; Aldea, A	3.813	1.142	10.1103/PhysRevB.98.125403	Q2

	diatomic square lattice						
100	Synthesis and Characterization of Chitosan-Coated Cobalt Ferrite Nanoparticles and Their Antimicrobial Activity	<i>JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS</i> , 28 , pp.1932-1941	Gingasu, D; Mindru, I; Patron, L; Ianculescu, A; Vasile, E; Marinescu, G; Preda, S; Diamandescu, L; Oprea, O; Popa, M; Saviuc, C; Chifiriuc, MC	1.754	0.196	10.1007/s10904-018-0870-3	Q2
101	Effect of mixing complexing agents on the properties of electrodeposited CZTS thin films	<i>OPTICAL MATERIALS</i> , 83 , pp.252-256	Zaki, MY; Nouneh, K; Touhami, ME; Belakhmima, RA; Galca, AC; Pintilie, L; Enculescu, M; Baibarac, M; Taibi, M	2.320	0.403	10.1016/j.optmat.2018.06.030	Q2
102	Production and annealing of the paramagnetic defects in as-grown and oxygen doped floating zone silicon irradiated with high fluence 3.5 MeV and 27 MeV electrons	<i>MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING</i> , 83 , pp.1-11	Joita, AC; Nistor, SV	2.593	0.379	10.1016/j.mssp.2018.04.003	Q2
103	Removal of Zinc Ions Using Hydroxyapatite and Study of Ultrasound Behavior of Aqueous Media	<i>MATERIALS</i> , 11 , 1350	Iconaru, SL; Motelica-Heino, M; Guegan, R; Predoi, MV; Prodan, AM; Predoi, D	2.467	0.625	10.3390/ma11081350	Q2
104	Bioceramic Layers with Antifungal Properties	<i>COATINGS</i> , 8 ,276	Predoi, D; Iconaru, SL; Predoi, MV	2.350	0.510	10.3390/coatings8080276	Q2

105	Investigation of sol-gel derived BaCl ₂ :Eu ²⁺ luminescent nanophosphor and the corresponding PVP@BaCl ₂ :Eu ²⁺ polymer nanocomposite	<i>JOURNAL OF PHYSICS D-APPLIED PHYSICS</i> , 51 ,30 5302	Secu, CE; Negrila, C; Secu, M	2.373	0.696	10.1088/1361-6463/aace7c	Q2
106	Organic heterostructures obtained on ZnO/Ag/ZnO electrode	<i>VACUUM</i> , 154 , pp.366-370	Socol, M; Preda, N; Breazu, C; Florica, C; Costas, A; Istrate, CM; Stanculescu, A; Girtan, M; Gherendi, F	2.067	0.360	10.1016/j.vacuum.2018.05.039	Q2
107	Study of point-and cluster-defects in radiation-damaged silicon	<i>NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT</i> , 898 , pp.15-23	Donegani, EM; Fretwurst, E; Garutti, E; Klanner, R; Lindstroem, G; Pintilie, I; Radu, R; Schwandt, J	1.336	0.394	10.1016/j.nima.2018.04.051	Q2
108	An X-ray photoelectron spectroscopy depth profile study on the InGeNi/(110) cleaved GaAs structure	<i>MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING</i> , 82 , pp.62-66	Negrila, CC; Lazarescu, MF; Logofatu, C; Ghita, RV; Cotirlan, C	2.593	0.379	10.1016/j.mssp.2018.02.022	Q2
109	Photoanode for solar water oxidation based on titania and hematite films	<i>THIN SOLID FILMS</i> , 658 , pp.7-11	Sima, M; Vasile, E; Sima, A	1.939	0.356	10.1016/j.tsf.2018.05.019	Q2

110	CHARACTERIZATION OF SURFACE AND INTERFACE OF Fe-C STEEL UNDER ELECTROLYTIC GALVANIZATION	<i>PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE</i> , 19 , pp.423-430	Bibicu, I; Bulea, C; Diamandescu, L; Rus, V; Popescu, T; Mercioniu, I	1.752	0.251		Q2
111	Osteoblast Cell Response to Naturally Derived Calcium Phosphate-Based Materials	<i>MATERIALS</i> , 11 , 1097	Mitran, V; Ion, R; Miculescu, F; Necula, MG; Mocanu, AC; Stan, GE; Antoniac, IV; Cimpean, A	2.467	0.625	10.3390/ma11071097	Q2
112	Theoretical investigation of the structural, optical and magnetic properties of Mn doped and (Mn, Cr) co-doped CdS in its cubic structure	<i>MATERIALS CHEMISTRY AND PHYSICS</i> , 213 , pp.249-258	Aimouch, DE; Meskine, S; Birsan, A; Kuncser, V; Zaoui, A; Boukortt, A	2.210	0.421	10.1016/j.matchemphys.2018.03.089	Q2
113	On the hydrophilicity of Ni-doped TiO ₂ thin films. A study by X-ray absorption spectroscopy	<i>THIN SOLID FILMS</i> , 657 , pp.42-49	Macovei, D; Tiron, V; Adomnitei, C; Luca, D; Dobromir, M; Antohe, S; Mardare, D	1.939	0.356	10.1016/j.tsf.2018.04.045	Q2
114	Synthesis and characterization of novel ferrite-piezoelectric multiferroic core-shell-type structure	<i>JOURNAL OF MATERIALS SCIENCE</i> , 53 , pp.9650-9661	Cernea, M; Vasile, BS; Ciuchi, IV; Surdu, VA; Bartha, C; Iuga, A; Galizia, P; Galassi, C	2.993	0.554	10.1007/s10853-018-2264-x	Q2
115	Annealing-Induced High Ordering and	<i>METALS</i> , 8 ,466	Crisan, AD; Vasiliu, F;	1.704	0.350	10.3390/met8060466	Q2

	Coercivity in Novel L1(0) CoPt-Based Nanocomposite Magnets		Mercioniu, I; Bartha, C; Enculescu, M; Crisan, O				
116	Structure and magnetic behavior of unpredictable EE-azide bridged tetranuclear Mn(II) complex with ONO-donor hydrazone ligand and its transformation to dinuclear Mn(III) complex	<i>POLYHEDRON</i> , 147 , pp.142-151	Bikas, R; Kuncser, V; Sanchiz, J; Schinteie, G; Siczek, M; Hosseini-Monfared, H; Lis, T	2.067	0.276	10.1016/j.poly.2018.03.019	Q2
117	Strain induced magnetism and superexchange interaction in Cr substituted nanocrystalline cobalt ferrite	<i>MATERIALS CHEMISTRY AND PHYSICS</i> , 211 , pp.54-64	Kumar, L; Kumar, P; Kuncser, V; Greculeasa, S; Sahoo, B; Kar, M	2.210	0.421	10.1016/j.matchemphys.2018.02.008	Q2
118	Incipient low-temperature formation of MAX phase in Cr-Al-C films	<i>JOURNAL OF ADVANCED CERAMICS</i> , 7 , pp.143-151	Crisan, O; Crisan, AD	1.605	0.346	10.1007/s40145-018-0265-5	Q2
119	Phase change cellular automata modeling of GeTe, GaSb and SnSe stacked chalcogenide films	<i>MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING</i> , 26 ,45006	Mihai, C; Velea, A	1.793	0.785	10.1088/1361-651X/aab62f	Q2
120	Many-body effects in transport through a quantum-dot cavity system	<i>PHYSICAL REVIEW B</i> , 97 ,195442	Dinu, IV; Moldoveanu, V; Gartner, P	3.813	1.142	10.1103/PhysRevB.97.195442	Q2
121	Properties of Basil and Lavender Essential Oils Adsorbed on the Surface of Hydroxyapatite	<i>MATERIALS</i> , 11 , 652	Predoi, D; Groza, A; Iconaru, SL; Predoi, G; Barbuceanu, F; Guegan, R; Motelica-	2.467	0.625	10.3390/ma11050652	Q2

			Heino, MS; Cimpeanu, C				
122	Production and aging of paramagnetic point defects in P-doped floating zone silicon irradiated with high fluence 27MeV electrons	<i>JOURNAL OF APPLIED PHYSICS</i> , 123 ,1 61531	Joita, AC; Nistor, SV	2.176	0.561	10.1063/1.4998518	Q2
123	Effect of electron injection on defect reactions in irradiated silicon containing boron, carbon, and oxygen	<i>JOURNAL OF APPLIED PHYSICS</i> , 123 ,1 61576	Makarenko, LF; Lastovskii, SB; Yakushevich, HS; Moll, M; Pintilie, I	2.176	0.561	10.1063/1.5010965	Q2
124	Kinetics of cluster-related defects in silicon sensors irradiated with monoenergetic electrons	<i>JOURNAL OF APPLIED PHYSICS</i> , 123 ,1 61402	Radu, R; Pintilie, I; Makarenko, LF; Fretwurst, E; Lindstroem, G	2.176	0.561	10.1063/1.5011372	Q2
125	Filling in the voids of electrospun hydroxypropyl cellulose network: Dielectric investigations	<i>EUROPEAN PHYSICAL JOURNAL PLUS</i> , 133 ,159	Maximean, DM; Danila, O; Ganea, CP; Almeida, PL	2.240	0.406	10.1140/epjp/i2018-11997-8	Q2
126	One-Pot Enzymatic Production of Lignin-Composites	<i>FRONTIERS IN CHEMISTRY</i> , 6 , 124	Ion, S; Opris, C; Cojocaru, B; Tudorache, M; Zgura, I; Galca, AC; Bodescu, AM; Enache, M; Maria, GM; Parvulescu, VI	4.155	1.237	10.3389/fchem.2018.00124	Q2
127	Defect states and room temperature ferromagnetism in cerium oxide	<i>MATERIALS CHEMISTRY AND</i>	Mihalache, V; Secu, M; Grivel, JC	2.210	0.421	10.1016/j.matchemphys.2018.01.053	Q2

	nanopowders prepared by decomposition of Ce-propionate	<i>PHYSICS</i> , 209 , pp.121-133					
128	Improved Optical and Morphological Properties of Vinyl-Substituted Hybrid Silica Materials Incorporating a Zn-Metalloporphyrin	<i>MATERIALS</i> , 11 , 565	Dudas, Z; Fagadar-Cosma, E; Len, A; Romaszki, L; Almasy, L; Vlad-Oros, B; Dascalu, D; Krajnc, A; Kriechbaum, M; Kuncser, A	2.467	0.625	10.3390/ma11040565	Q2
129	Gold nanoparticles stabilized on SBA-15 functionalized NNN-pincer ligand; highly effective catalyst for reduction of nitroarenes in aqueous medium	<i>CATALYSIS COMMUNICATIONS</i> , 108 , pp.93-97	Hosseini, SH; Zohreh, N; Alipour, S; Busuioc, C; Negrea, R	3.463	0.596	10.1016/j.catcom.2018.01.002	Q2
130	The Effect of Film Thickness on the Gas Sensing Properties of Ultra-Thin TiO ₂ Films Deposited by Atomic Layer Deposition	<i>SENSORS</i> , 18 ,735	Wilson, RL; Simion, CE; Blackman, CS; Carmalt, CJ; Stanoiu, A; Di Maggio, F; Covington, JA	2.475	0.554	10.3390/s18030735	Q2
131	Synthesis and characterization of dextran-coated iron oxide nanoparticles	<i>ROYAL SOCIETY OPEN SCIENCE</i> , 5 ,111525	Predescu, AM; Matei, E; Berbecaru, AC; Pantilimon, C; Dragan, C; Vidu, R; Predescu, C; Kuncser, V	2.504	0.947	10.1098/rsos.171525	Q2
132	1532 nm sensitized luminescence and up-conversion in	<i>OPTICAL MATERIALS</i> , 77 , pp.221-225	Vorona, I; Yavetskiy, RP;	2.320	0.403	10.1016/j.optmat.2018.01.038	Q2

	Yb,Er:YAG transparent ceramics		Dobrotvorska ya, MV; Doroshenko, AG; Parkhomenko, SV; Tolmachev, AV; Kosyanov, DY; Gheorghe, L; Gheorghe, C; Hau, S; Enculescu, M				
133	Wet chemical synthesis of ZnO-CdS composites and their photocatalytic activity	<i>MATERIALS RESEARCH BULLETIN</i> , 99 , pp.174-181	Zgura, I; Preda, N; Socol, G; Ghica, C; Ghica, D; Enculescu, M; Negut, I; Nedelcu, L; Frunza, L; Ganea, CP; Frunza, S	2.873	0.407	10.1016/j.matresbull.2017.11.013	Q2
134	A Study of Extended Defects in Surface Damaged Crystals	<i>CRYSTALS</i> , 8 ,67	Ferrari, C; Ghica, C; Rotunno, E	2.144	0.416	10.3390/cryst8020067	Q2
135	A Mathematical Account of the NEGF Formalism	<i>ANNALES HENRI POINCARÉ</i> , 19 , pp.411-442	Cornean, HD; Moldoveanu, V; Pillet, CA	1.740	1.326	10.1007/s00023-017-0638-2	Q2
136	Charge carrier traps in tris-(8-hydroxyquinoline) aluminum	<i>JOURNAL OF LUMINESCENCE</i> , 194 , pp.91-95	Secu, M; Polosan, S	2.732	0.423	10.1016/j.jlumin.2017.10.003	Q2
137	Irradiation of nuclear materials with laser-plasma filaments produced in air and deuterium by terrawatt (TW) laser pulses	<i>JOURNAL OF PHYSICS D-APPLIED PHYSICS</i> , 51 ,25 302	Avotina, L; Lungu, M; Dinca, P; Butoi, B; Cojocaru, G; Ungureanu, R; Marcu, A; Luculescu, C; Hapenciuc,	2.373	0.696	10.1088/1361-6463/aa9b0f	Q2

			C; Ganea, PC; Petjukevics, A; Lungu, CP; Kizane, G; Ticos, CM; Antohe, S				
138	Local configurations and atomic intermixing in as-quenched and annealed Fe _{1-x} Cr _x and Fe _{1-x} Mox ribbons	<i>PHILOSOPHICAL MAGAZINE</i> , 98 , pp.1053-1067	Stanciu, AE; Greculeasa, SG; Bartha, C; Schinteie, G; Palade, P; Kuncser, A; Leca, A; Filoti, G; Birsan, A; Crisan, O; Kuncser, V	1.632	0.535	10.1080/14786435.2018.1425556	Q2
139	AC magnetic response of superconducting single crystals exhibiting a second peak on the DC magnetization curves	<i>PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS</i> , 555 , pp.1-6	Miu, L; Ionescu, AM; Miu, D; Petrisor, T; Park, A; Tamegai, T; Crisan, A	1.453	0.331	10.1016/j.physc.2018.10.002	Q3
140	Ultra-High Vacuum Deposition of Pyrene Molecules on Metal Surfaces	<i>PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS</i> , 255 ,1800235	Schleicher, S; Borca, B; Rawson, J; Matthes, F; Burgler, DE; Kogerler, P; Schneider, CM	1.729	0.412	10.1002/pssb.201800235	Q3
141	Investigation of the interactions of PVDF shell films with Ni core submicron wires and AAO matrix	<i>PHYSICA B-CONDENSED MATTER</i> , 545 , pp.503-509	Sima, M; Baibarac, M; Vasile, E; Sima, M; Schinteie, GA; Kuncser, V	1.453	0.280	10.1016/j.physb.2018.07.015	Q3
142	Synthesis and Mechanical Properties of Polyurea-Based	<i>MATERIALE PLASTICE</i> , 55 , pp.315-319	Petre, R; Zecheru, T; Petrea, N; Ginghina, R;	1.248	0.066		Q3

	Hybrid Composites for Ballistic Individual Protection		Sandu, S; Muresan, M; Matache, LC; Sava, AC; Neatu, F				
143	Flexible organic heterostructures obtained by MAPLE	<i>APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING</i> , 1 24 ,602	Socol, M; Preda, N; Breazu, C; Stanculescu, A; Costas, A; Stanculescu, F; Girtan, M; Gherendi, F; Popescu-Pelin, G; Socol, G	1.604	0.327	10.1007/s00339-018-1960-3	Q3
144	A straightforward route to obtain organic/inorganic hybrid network from bio-waste: Electroless deposition of ZnO nanostructures on eggshell membranes	<i>CHEMICAL PHYSICS LETTERS</i> , 706 , pp.24-30	Preda, N; Costas, A; Beregoi, M; Enculescu, I	1.686	0.429	10.1016/j.cplett.2018.05.073	Q3
145	Thermal Stress Effect on the Structure and Properties of Single and Double Stacked Films of GeTe and SnSe	<i>PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS</i> , 255 ,1 700552	Sava, F; Borca, CN; Galca, AC; Socol, G; Grolimund, D; Mihai, C; Velea, A	1.729	0.412	10.1002/pssb.201700552	Q3
146	A Comparative Study of Ge-Based Organometallic Additions to MgB2	<i>IEEE TRANSACTION S ON APPLIED SUPERCONDUCTIVITY</i> , 28 ,700 0205	Batalu, D; Nakamura, T; Enculescu, M; Popa, S; Pasuk, I; Aldica, G; Ionescu, AM; Badica, P	1.288	0.248	10.1109/TASC.2018.2808366	Q3
147	Alternative valorization of red mud waste as functional materials with catalytic activity	<i>INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE</i>	Cruceanu, A; Zavoianu, R; Pavel, OD; Florea, M; Mara, L	2.037	0.374	10.1007/s13762-017-1449-1	Q3

	for sulfide oxidation in wastewater	<i>AND TECHNOLOGY</i> , 15 , pp.895-908					
148	The Cu- and Zn-complex-catalyzed methanolysis of the chemical warfare nerve agents soman, sarin, and VX	<i>COMPTES RENDUS CHIMIE</i> , 21 , pp.339-345	Petrea, N; Petre, R; Pretorian, A; Toader, C; Somoghi, V; Neatu, F; Florea, M; Neatu, S	1.877	0.290	10.1016/j.crci.2017.08.006	Q3
149	Selective catalytic oxidation reaction of p-xylene on manganese-iron mixed oxide materials	<i>COMPTES RENDUS CHIMIE</i> , 21 , pp.354-361	Nicolae, S; Neatu, F; Florea, M	1.877	0.290	10.1016/j.crci.2017.06.005	Q3
150	Electroluminescence Properties of IrQ(ppy)(2) Dual-Emitter Organometallic Compound in Organic Light-Emitting Devices	<i>JOURNAL OF ELECTRONIC MATERIALS</i> , 47 , pp.1490-1496	Ciobotaru, CC; Polosan, S; Ciobotaru, IC	1.566	0.302	10.1007/s11664-017-5945-3	Q3
151	OPTICAL COATINGS FOR ELI EXPERIMENTS PREPARED BY LASER ABLATION	<i>ROMANIAN JOURNAL OF PHYSICS</i> , 63 ,606	Bercea, A; Filipescu, M; Moldovan, A; Brajnicov, S; Colceag, D; Ion, V; Nistor, LC; Zorila, A; Dinescu, M	1.433	0.259		Q3
152	Tuning Wall Thicknesses in Mesoporous Silica Films for Optimization of Optical Anti-Reflective Properties	<i>JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY</i> , 18 , pp.100-103	Abdullah, N; Hossain, MSA; Konstantinov, K; Tanabe, H; Matsuura, M; Maekawa, K; Fatehmulla, A; Farooq, WA; Islam,	1.354	0.156	10.1166/jnn.2018.14558	Q3

			MT; Bando, Y; Kaneti, YV; Yamauchi, Y				
153	CoFe _{2-x} Cr _x O ₄ ferrites: synthesis, characterization and their catalytic activity	<i>CHEMICAL PAPERS</i> , 72 , pp.3203-3213	Mindru, I; Gingasu, D; Diamandescu, L; Patron, L; Marinescu, G; Culita, DC; Calderon-Moreno, JM; Preda, S; Oprea, O; Parvulescu, V	0.963	0.204	10.1007/s11696-018-0553-0	Q4
154	Conductivity losses in ferroelectric phase of TGS	<i>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</i> , 20 , pp.676-681	Marinel, D; Alexandru, HV; Ganea, CP	0.390	0.055		Q4
155	Martensitic transformation and related properties of Fe _{69.4} Pd _{30.6} ferromagnetic shape memory ribbons	<i>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</i> , 20 , pp.701-706	Tolea, F; Sofronie, M	0.390	0.055		Q4
156	Electrochemical Synthesis of the Composites Based on Multi-Wall Carbon Nanotubes and Polypyrrole Doped with Phosphomolybdic Acid Heteropolyanions and Their Vibrational Properties	<i>INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE</i> , 13 , pp.10514-10526	Baibarac, M; Serbschi, C; Stroe, M	1.369	0.231	10.20964/2018.11.07	Q4
157	Ex Situ Spark Plasma Sintering of Short Powder-in-Tube MgB ₂ Tapes with	<i>JOURNAL OF SUPERCONDUCTIVITY AND NOVEL</i>	Aldica, G; Burdusel, M; Popa, S; Pasuk, I; Ionescu, AM;	1.142	0.176	10.1007/s10948-018-4616-9	Q4

	Open and Closed Ends	<i>MAGNETISM</i> , 3 1 , pp.3423-3432	Kuncser, A; Badica, P				
158	ORGANIC HETEROSTRUCTURES DEPOSITED BY MAPLE ON PATTERNED AZO ELECTRODES	<i>DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES</i> , 13 , pp.1045-1053	Socol, M; Preda, N; Breazu, C; Rasoga, O; Stanculescu, A; Popescu-Pelin, G; Gherendi, F; Socol, G; Vacareanu, L	0.673	0.143		Q4
159	Performant silver-based biohybrids generated from orange and grapefruit wastes	<i>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</i> , 20 , pp.551-557	Barbinta-Patrascu, ME; Ungureanu, C; Suica-Bunghez, IR; Iordache, AM; Petrovic, SM; Ispas, A; Zgura, I	0.390	0.055		Q4
160	Structural, dielectric and piezoelectric properties of the ferroelectric PZT-BT ceramic compounds	<i>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</i> , 20 , pp.558-565	Miclea, C; Miclea, CF; Amarande, L; Miclea, CT; Cioangher, M	0.390	0.055		Q4
161	Pinning-Induced Vortex-System Disorder at the Origin of the Second Magnetization Peak in Superconducting Single Crystals	<i>JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM</i> , 3 1 , pp.2329-2337	Ionescu, AM; Miu, D; Crisan, A; Miu, L	1.142	0.176	10.1007/s10948-017-4487-5	Q4
162	Irreversibility in Rolled Tantalum	<i>JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM</i> , 3 1 , pp.2047-2054	Sandu, V; Cimpoiasu, E	1.142	0.176	10.1007/s10948-017-4433-6	Q4
163	Low energy electron irradiation of carbon thin films	<i>MATERIALS RESEARCH</i>	Pacala, O; Ciuca, I;	1.151	0.239	10.1088/2053-1591/aac472	Q4

		<i>EXPRESS</i> , 5 ,556 07	Logofatu, C; Polosan, S				
164	Hydrogenolysis of lignin over Ru-based catalysts: The role of the ruthenium in a lignin fragmentation process	<i>MOLECULAR CATALYSIS</i> , 450 , pp.65-76	Verziu, M; Tirsoaga, A; Cojocaru, B; Bucur, C; Tudora, B; Richel, A; Aguedo, M; Samikannu, A; Mikkola, JP	Not Available	Not Available	10.1016/j.mcat.2018.03.004	Q4
165	High temperature thermo-physical properties of SPS-edW-Cu functional gradient materials	<i>MATERIALS RESEARCH EXPRESS</i> , 5 ,265 02	Galatanu, M; Enculescu, M; Galatanu, A	1.151	0.239	10.1088/2053-1591/aaa860	Q4
166	Dwell Time Influence on Spark Plasma-Sintered MgB2	<i>JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM</i> , 31 , pp.317-325	Aldica, G; Popa, S; Enculescu, M; Pasuk, I; Ionescu, AM; Badica, P	1.142	0.176	10.1007/s10948-017-4236-9	Q4
167	CERAMIC THIN FILMS DEPOSITED BY SPIN COATING AS COATINGS FOR METALLIC IMPLANTS	<i>REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS</i> , 48 , pp.401-406	Busuioc, C; Constantinoiu, I; Enculescu, M; Beregoi, M; Jinga, SI	0.661	0.070		Q4
168	Modeling issues regarding thermal conductivity of graphene-based nanocomposites	<i>ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY</i> , 21 , pp.82-92	Sandu, T; Gologanu, M; Voicu, R; Boldeiu, G; Moagar-Poladian, V	0.288	0.082		Q4
169	LOW-TEMPERATURE FORMATION OF 312 PHASE IN Ti-Si-C TERNARY COMPOUND	<i>DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES</i> , 13 , pp.155-162	Crisan, AD; Crisan, O	0.673	0.143		Q4

170	Exploiting surface plasmon resonance in Au/ZnO photocatalysts for the selective oxidation of phenols	<i>ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, 255</i> , pp.-	Lin, F; Cojocaru, B; Colaciello, LW; Cadigan, C; Tian, CX; Grecu, M; Xin, HL; Vyas, S; Parvulescu, V; Richards, R	not available	not available		not available
171	New Lasing Regimes of High-beta Nanolasers	<i>2018 IEEE PHOTONICS SOCIETY SUMMER TOPICAL MEETING SERIES (SUM)</i> ., pp.23-24	Lohof, F; Barzel, R; Gartner, P; Gies, C	not available	not available		not available
172	Intrinsic losses in dielectrics investigated by terahertz spectroscopy	<i>2018 43RD INTERNATIONAL CONFERENCE ON INFRARED, MILLIMETER, AND TERAHERTZ WAVES (IRMMW-THZ)</i> ., pp.-	Nedelcu, L; Geambasu, CD; Banciu, MG; Mogildea, G; Mogildea, M	not available	not available		not available
173	Structural, Magnetic and Hyperfine Properties of Molybdenum Dioxide-Hematite Mixed Oxide Nanostructures	<i>MRS ADVANCES, 3</i> , pp.2887-2892	Trotta, R; Tolea, F; Valeanu, M; Diamandescu, L; Grabias, A; Sorescu, M	not available	not available	10.1557/adv.2018.420	not available
174	ANALYSIS of Pdge-BASED CONTACT on N-Gasb	<i>7TH INTERNATIONAL CONFERENCE ON STRUCTURAL ANALYSIS OF</i>	Ghita, RV; Negrila, CC; Predoi, D; Trusca, R	not available	not available	10.1063/1.5024167	not available

		<i>ADVANCED MATERIALS (ICSAAM 2017),1932,UN SP 030017</i>					
175	Fabrication and Characterization of Iron Oxide Dextran Composite Layers	<i>7TH INTERNATIONAL CONFERENCE ON STRUCTURAL ANALYSIS OF ADVANCED MATERIALS (ICSAAM 2017),1932,UN SP 030019</i>	Iconaru, SL; Predoi, SA; Beuran, M; Ciobanu, CS; Trusca, R; Ghita, R; Negoii, I; Teleanu, G; Turculet, SC; Matei, M; Badea, M; Prodan, AM	not available	not available	10.1063/1.5024169	not available
176	Application of Biocompatible Magnetite Nanoparticles for the Removal of Arsenic and Copper from Water	<i>7TH INTERNATIONAL CONFERENCE ON STRUCTURAL ANALYSIS OF ADVANCED MATERIALS (ICSAAM 2017),1932,UN SP 030018</i>	Iconaru, SL; Beuran, M; Turculet, CS; Negoii, I; Teleanu, G; Prodan, AM; Motelica-Heino, M; Guegan, R; Ciobanu, CS; Jiga, G; Predoi, D	not available	not available	10.1063/1.5024168	not available
177	Physico-Chemical Characteristics and Antimicrobial Studies of Silver Doped Hydroxyapatite	<i>7TH INTERNATIONAL CONFERENCE ON STRUCTURAL ANALYSIS OF ADVANCED MATERIALS (ICSAAM 2017),1932,UN SP 030034</i>	Predoi, D; Predoi, MV; El Kettani, MEC; Leduc, D; Iconaru, SL; Ciobanu, CS; Buton, N; Petre, CC; Prodan, AM	not available	not available	10.1063/1.5024184	not available
178	The Influence of the Relaxation Time on the Dynamic Hysteresis in	<i>MATHEMATICAL MODELING AND COMPUTATIO</i>	Palici, A; Nemnes, GA; Besleaga, C; Pintilie, L;	not available	not available	10.1051/epjconf/201817303017	not available

	Perovskite Solar Cells	<i>NAL PHYSICS 2017 (MMCP 2017)</i> , 173 ,UNSP 03017	Anghel, DV; Pintilie, I; Manolescu, A				
179	Synthesis and Characterization of Jellified Composites from Bovine Bone-Derived Hydroxyapatite and Starch as Precursors for Robocasting	<i>ACS OMEGA</i> , 3 , pp.1338-1349	Miculescu, F; Maidaniuc, A; Miculescu, M; Batalu, ND; Ciocoiu, RC; Voicu, SI; Stan, GE; Thakur, VK	not available	not available	10.1021/acsomega.7b01855	not available
180	Exploiting surface plasmon resonance in Au/ZnO photocatalysts for the selective oxidation of phenols	<i>ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY</i> , 255 , pp.-	Lin, F; Cojocaru, B; Colaciello, LW; Cadigan, C; Tian, CX; Grecu, M; Xin, HL; Vyas, S; Parvulescu, V; Richards, R	not available	not available		not available
181	New Lasing Regimes of High-beta Nanolasers	<i>2018 IEEE PHOTONICS SOCIETY SUMMER TOPICAL MEETING SERIES (SUM)</i> ., pp.23-24	Lohof, F; Barzel, R; Gartner, P; Gies, C	not available	not available		not available