

# Elson Longo

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1467369/elson-longo-publications-by-year.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,345 papers	34,876 citations	79 h-index	113 g-index
1,392 ext. papers	38,166 ext. citations	3.7 avg, IF	7.23 L-index

#	Paper	IF	Citations
1345	Investigation of electronic structure, morphological features, optical, colorimetric, and supercapacitor electrode properties of CoWO <sub>4</sub> crystals. <i>Materials Science for Energy Technologies</i> , <b>2022</b> , 5, 125-144	5.2	0
1344	□ Ag <sub>2</sub> WO <sub>4</sub> under microwave, electron beam and femtosecond laser irradiations: Unveiling the relationship between morphology and photoluminescence emissions. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 903, 163840	5.7	1
1343	Interface matters: Design of an efficient □-Ag <sub>2</sub> WO <sub>4</sub> /Ag <sub>3</sub> PO <sub>4</sub> photocatalyst. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 280, 125710	4.4	0
1342	Tailoring Bi <sub>2</sub> MoO <sub>6</sub> by Eu <sup>3+</sup> incorporation for enhanced photoluminescence emissions. <i>Journal of Luminescence</i> , <b>2022</b> , 243, 118675	3.8	2
1341	A diagnosis approach for semiconductor properties evaluation from ab initio calculations: Ag-based materials investigation. <i>Journal of Solid State Chemistry</i> , <b>2022</b> , 305, 122670	3.3	0
1340	Unveiling the shape-selective CoCr <sub>2</sub> -yScyO <sub>4</sub> nanomagnetism. <i>Applied Surface Science</i> , <b>2022</b> , 574, 1515556.7	5.7	0
1339	Integrated experimental and theoretical study on the phase transition and photoluminescent properties of ZrO <sub>2</sub> :xTb <sup>3+</sup> (x=1, 2, 4 and 8 mol %). <i>Materials Research Bulletin</i> , <b>2022</b> , 145, 111532	5.1	0
1338	Single-walled silicon nanotube as an exceptional candidate to eliminate SARS-CoV-2: a theoretical study.. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2022</b> , 1-10	3.6	1
1337	Synthesis and defect characterization of hybrid ceria nanostructures as a possible novel therapeutic material towards COVID-19 mitigation.. <i>Scientific Reports</i> , <b>2022</b> , 12, 3341	4.9	1
1336	Antifungal Activity and Biocompatibility of □-AgVO, □-AgWO, and □AgMoO Using a Three-Dimensional Coculture Model of the Oral Mucosa.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 826123	5.8	0
1335	CuWO <sub>4</sub>  MnWO <sub>4</sub> heterojunction thin film with improved photoelectrochemical and photocatalytic properties using simulated solar irradiation. <i>Journal of Solid State Electrochemistry</i> , <b>2022</b> , 26, 997-1011	2.6	1
1334	Fermented Jussara: Evaluation of Nanostructure Formation, Bioaccessibility, and Antioxidant Activity.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 814466	5.8	0
1333	Effects of □-Ag <sub>2</sub> WO <sub>4</sub> crystals on photosynthetic efficiency and biomolecule composition of the algae <i>Raphidocelis subcapitata</i> . <i>Water, Air, and Soil Pollution</i> , <b>2022</b> , 233, 1	2.6	0
1332	Efficient Ni and Fe doping process in ZnO with enhanced photocatalytic activity: A theoretical and experimental investigation. <i>Materials Research Bulletin</i> , <b>2022</b> , 111849	5.1	6
1331	Amorphous calcium phosphate nanoparticles allow fingerprint detection via self-activated luminescence. <i>Chemical Engineering Journal</i> , <b>2022</b> , 443, 136443	14.7	0
1330	Electrical transport mechanisms of Neodymium-doped rare-earth semiconductors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 11632	2.1	0
1329	Enhanced red emission in Sr(1-x)Eu <sub>x</sub> Mo <sub>0.5</sub> W <sub>0.5</sub> O <sub>4</sub> (x = 0.01, 0.02, 0.04) phosphor and spectroscopic analysis for display applications. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 8634-8647	4.3	0

1328	Inactivation of SARS-CoV-2 by a chitosan/β-AgWO composite generated by femtosecond laser irradiation.. <i>Scientific Reports</i> , <b>2022</b> , 12, 8118	4.9	0
1327	Effect of calcination temperature and pressure-assisted heat treatment on the dye degradation performance of SnO2 photocatalyst obtained by a simple synthesis method. <i>Materials Research Bulletin</i> , <b>2022</b> , 111914	5.1	0
1326	Formation of Metallic Ag on AgBr by Femtosecond Laser Irradiation. <i>Physchem</i> , <b>2022</b> , 2, 179-190		0
1325	Unconventional Disorder by Femtosecond Laser Irradiation in FeO. <i>ACS Omega</i> , <b>2021</b> , 6, 28049-28062	3.9	0
1324	Behavior of Bi2S3 under ultrasound irradiation for Rhodamine B dye degradation. <i>Chemical Physics Letters</i> , <b>2021</b> , 785, 139123	2.5	0
1323	Enhanced photocatalytic activity of CaMoO4/g-C3N4 composites obtained via sonochemistry synthesis. <i>Materials Research Bulletin</i> , <b>2021</b> , 146, 111621	5.1	4
1322	Toxicity of β-AgWO microcrystals to freshwater microalga <i>Raphidocelis subcapitata</i> at cellular and population levels. <i>Chemosphere</i> , <b>2021</b> , 288, 132536	8.4	1
1321	Selective Synthesis of β-, γ and γAgWO Polymorphs: Promising Platforms for Photocatalytic and Antibacterial Materials. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 1062-1079	5.1	8
1320	Experimental and Theoretical Insights into the Structural Disorder and Gas Sensing Properties of ZnO. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 1447-1457	4	7
1319	Structure, Photoluminescence Emissions, and Photocatalytic Activity of AgSeO: A Joint Experimental and Theoretical Investigation. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 5937-5954	5.1	1
1318	SiO-Ag Composite as a Highly Virucidal Material: A Roadmap that Rapidly Eliminates SARS-CoV-2. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	19
1317	A scalable electron beam irradiation platform applied for allotropic carbon transformation. <i>Carbon</i> , <b>2021</b> , 174, 567-580	10.4	3
1316	Magnetism and DFT calculations for understanding magnetic ground state of Fe doped Mn2O3. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 861, 158567	5.7	1
1315	Surface-dependent photocatalytic and biological activities of Ag2CrO4: Integration of experiment and simulation. <i>Applied Surface Science</i> , <b>2021</b> , 545, 148964	6.7	8
1314	Correlation of catalytic oxidation and ionic conductivity properties of nanostructured gadolinium-doped ceria. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2021</b> , 266, 115060	3.1	1
1313	Microwave-assisted hydrothermal synthesis of CuWO4-palygorskite nanocomposite for enhanced visible photocatalytic response. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 863, 158731	5.7	8
1312	Tailoring the photoluminescence of BaMoO4 and BaWO4 hierarchical architectures via precipitation induced by a fast precursor injection. <i>Materials Letters</i> , <b>2021</b> , 293, 129681	3.3	0
1311	Structure, Morphology Features and Photocatalytic Properties of β-Ag2WO4 Nanocrystals-modified Palygorskite Clay. <i>Journal of Photocatalysis</i> , <b>2021</b> , 2, 114-129	0.8	4

1310	Structural Refinement, Morphological Features, and Optical, Photo- and Sonophotocatalytic Properties of (Ca <sub>1-x</sub> Sr <sub>x</sub> )WO <sub>4</sub> Synthesized by the Sonochemical Method. <i>Journal of Photocatalysis</i> , <b>2021</b> , 2, 147-164	0.8	0
1309	Presence of excited electronic states on terbium incorporation in CaMoO <sub>4</sub> : Insights from experimental synthesis and first-principles calculations. <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 149, 109790	3.9	2
1308	Effective strategy to coupling Zr-MOF/ZnO: Synthesis, morphology and photoelectrochemical properties evaluation. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 293, 121794	3.3	12
1307	New insights into the nature of the bandgap of CuGeO <sub>3</sub> nanofibers: Synthesis, electronic structure, and optical and photocatalytic properties. <i>Materials Today Communications</i> , <b>2021</b> , 26, 101701	2.5	1
1306	Effects of donor density on power-law response in tin dioxide gas sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 329, 129253	8.5	5
1305	Cation-exchange mediated synthesis of hydrogen and sodium titanates heterojunction: Theoretical and experimental insights toward photocatalytic mechanism. <i>Applied Surface Science</i> , <b>2021</b> , 538, 148137	6.7	8
1304	Effect of hydrothermal temperature on the antibacterial and photocatalytic activity of WO <sub>3</sub> decorated with silver nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , <b>2021</b> , 97, 228-244	2.3	4
1303	Modulating the properties of multifunctional semiconductors by means of morphology: Theory meets experiments. <i>Computational Materials Science</i> , <b>2021</b> , 188, 110217	3.2	8
1302	Electronic structure, optical and sonophotocatalytic properties of spindle-like CaWO <sub>4</sub> microcrystals synthesized by the sonochemical method. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 855, 157377	5.7	6
1301	Cerium molybdate nanocrystals: Microstructural, optical and gas-sensing properties. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 857, 157562	5.7	3
1300	Effect of temperature on ultrasonic spray pyrolysis method in zinc tungstate: The relationship between structural and optical properties. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 258, 123991	4.4	1
1299	An investigation of photovoltaic devices based on p-type Cu <sub>2</sub> O and n-type $\alpha$ -WO <sub>3</sub> junction through an electrolyte solution containing a redox pair. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 2797-2809	4.5	1
1298	Revealing the Nature of Defects in $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> by Positron Annihilation Lifetime Spectroscopy: A Joint Experimental and Theoretical Study. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 1093-1102	3.5	4
1297	Role of Surfaces in the Magnetic and Ozone Gas-Sensing Properties of ZnFeO Nanoparticles: Theoretical and Experimental Insights. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 4605-4617	9.5	16
1296	ZnO/bentonite Hybrids Obtained by a Simple Method of Synthesis and Applied as Catalyst for Biodiesel Production. <i>Engineering Materials</i> , <b>2021</b> , 1-25	0.4	0
1295	Barium strontium titanate-based perovskite materials from DFT perspective: assessing the structural, electronic, vibrational, dielectric and energetic properties. <i>Theoretical Chemistry Accounts</i> , <b>2021</b> , 140, 1	1.9	4
1294	Synthesis, characterization, photocatalytic, and antimicrobial activity of ZrO <sub>2</sub> nanoparticles and Ag@ZrO <sub>2</sub> nanocomposite prepared by the advanced oxidative process/hydrothermal route. <i>Journal of Sol-Gel Science and Technology</i> , <b>2021</b> , 98, 113-126	2.3	1
1293	Unraveling a Biomass-Derived Multiphase Catalyst for the Dehydrogenative Coupling of Silanes with Alcohols under Aerobic Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 2912-2928	8.3	6

1292	PVC-SiO <sub>2</sub> -Ag composite as a powerful biocide and anti-SARS-CoV-2 material. <i>Journal of Polymer Research</i> , <b>2021</b> , 28, 1	2.7	4
1291	Increasing the photocatalytic and fungicide activities of Ag <sub>3</sub> PO <sub>4</sub> microcrystals under visible-light irradiation. <i>Ceramics International</i> , <b>2021</b> , 47, 22604-22614	5.1	1
1290	Unveiling the Ag-Bi miscibility at the atomic level: A theoretical insight. <i>Computational Materials Science</i> , <b>2021</b> , 197, 110612	3.2	1
1289	Bioactive AgPO/Polypropylene Composites for Inactivation of SARS-CoV-2 and Other Important Public Health Pathogens. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 10866-10875	3.4	0
1288	Hematite rhombuses for chemiresistive ozone sensors: Experimental and theoretical approaches. <i>Applied Surface Science</i> , <b>2021</b> , 563, 150209	6.7	2
1287	Synthesis of Ag <sub>3</sub> PO <sub>4</sub> /SnO <sub>2</sub> composite photocatalyst for improvements in photocatalytic activity under visible light. <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 135, 106064	4.3	8
1286	Alkali influence on ZnO and Ag-doped ZnO nanostructures formation using the microwave-assisted hydrothermal method for fungicidal inhibition. <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 158, 110234	3.9	2
1285	Unraveling the relationship between bulk structure and exposed surfaces and its effect on the electronic structure and photoluminescent properties of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> : A joint experimental and theoretical approach. <i>Materials Research Bulletin</i> , <b>2021</b> , 143, 111442	5.1	2
1284	Tuning structural, optical, and gas sensing properties of ceria-based materials by rare-earth doping. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 888, 161517	5.7	8
1283	Structural, morphological and photoluminescence properties of □Ag <sub>2</sub> MoO <sub>4</sub> doped with Eu <sup>3+</sup> . <i>Chemical Papers</i> , <b>2021</b> , 75, 1869-1882	1.9	3
1282	Red-emitting CaWO <sub>4</sub> :Eu <sup>3+</sup> ,Tm <sup>3+</sup> phosphor for solid-state lighting: Luminescent properties and morphology evolution. <i>Journal of Rare Earths</i> , <b>2021</b> , 40, 226-226	3.7	2
1281	Towards shape-oriented Bi-doped CoCr <sub>2</sub> O <sub>4</sub> nanoparticles from theoretical and experimental perspectives: structural, morphological, optical, electrical and magnetic properties. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 6452-6469	7.1	7
1280	Photoluminescence in Alkaline Earth Stannate Thin Films Grown by Physical and Chemical Methods. <i>Engineering Materials</i> , <b>2021</b> , 155-183	0.4	1
1279	Structural Refinement, Morphological Features, Optical Properties, and Adsorption Capacity of □-Ag <sub>2</sub> WO <sub>4</sub> Nanocrystals/SBA-15 Mesoporous on Rhodamine B Dye. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2020</b> , 30, 3626-3645	3.2	4
1278	New two-dimensional zinc oxide nanosheets: Properties, stability, and interconversion. <i>Materials Letters</i> , <b>2020</b> , 275, 128067	3.3	3
1277	Microwave-Driven Hexagonal-to-Monoclinic Transition in BiPO: An In-Depth Experimental Investigation and First-Principles Study. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 7453-7468	5.1	12
1276	Unraveling the Photoluminescence Properties of the Sr <sub>10</sub> V <sub>6</sub> O <sub>25</sub> Structure through Experimental and Theoretical Analyses. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 14446-14458	3.8	1
1275	Surface-dependent properties of □-Ag <sub>2</sub> WO <sub>4</sub> : a joint experimental and theoretical investigation. <i>Theoretical Chemistry Accounts</i> , <b>2020</b> , 139, 1	1.9	10

- 1274 Zinc-substituted Ag<sub>2</sub>CrO<sub>4</sub>: A material with enhanced photocatalytic and biological activity. *Journal of Alloys and Compounds*, **2020**, 835, 155315 5.7 9
- 1273 Electron beam irradiation for the formation of thick Ag film on AgPO<sub>3</sub>. *RSC Advances*, **2020**, 10, 21745-21753 5.3 6
- 1272 Enhanced photocatalytic and antifungal activity of hydroxyapatite/β-AgVO<sub>3</sub> composites. *Materials Chemistry and Physics*, **2020**, 252, 123294 4.4 7
- 1271 Novel Approaches of Nanocerium with Magnetic, Photoluminescent, and Gas-Sensing Properties. *ACS Omega*, **2020**, 5, 14879-14889 3.9 6
- 1270 Charge transfer in Pr-Doped cerium oxide: Experimental and theoretical investigations. *Materials Chemistry and Physics*, **2020**, 249, 122967 4.4 3
- 1269 Metallic behavior in STO/LAO heterostructures with non-uniformly atomic interfaces. *Materials Today Communications*, **2020**, 24, 101339 2.5 0
- 1268 Stabilization of the β-Ag<sub>2</sub>WO<sub>4</sub> metastable pure phase by coprecipitation method using polyvinylpyrrolidone as surfactant: Photocatalytic property. *Ceramics International*, **2020**, 46, 14864-14871 5.1 6
- 1267 In Vitro Toxic Effect of Biomaterials Coated with Silver Tungstate or Silver Molybdate Microcrystals. *Journal of Nanomaterials*, **2020**, 2020, 1-9 3.2 4
- 1266 Femtosecond-laser-irradiation-induced structural organization and crystallinity of BiWO<sub>3</sub>. *Scientific Reports*, **2020**, 10, 4613 4.9 3
- 1265 Structural characterization, morphology, optical and colorimetric properties of NiWO<sub>4</sub> crystals synthesized by the co-precipitation and polymeric precursor methods. *Journal of Molecular Structure*, **2020**, 1221, 128774 3.4 5
- 1264 Influence of Synthesis Time on the Morphology and Properties of CeO<sub>2</sub> Nanoparticles: An Experimental and Theoretical Study. *Crystal Growth and Design*, **2020**, 20, 5031-5042 3.5 10
- 1263 A description of the formation and growth processes of CaTiO<sub>3</sub> mesocrystals: a joint experimental and theoretical approach. *Molecular Systems Design and Engineering*, **2020**, 5, 1255-1266 4.6 3
- 1262 The role of counter-ions in crystal morphology, surface structure and photocatalytic activity of ZnO crystals grown onto a substrate. *Applied Surface Science*, **2020**, 529, 147057 6.7 11
- 1261 Quantum mechanical modeling of Zn-based spinel oxides: Assessing the structural, vibrational, and electronic properties. *International Journal of Quantum Chemistry*, **2020**, 120, e26368 2.1 0
- 1260 Photoluminescent properties of Sm<sup>3+</sup> and Tb<sup>3+</sup> codoped CaWO<sub>4</sub> nanoparticles obtained by a one-step sonochemical method. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 13261-13272 3.7 2
- 1259 Disclosing the Structural, Electronic, Magnetic, and Morphological Properties of CuMnO<sub>2</sub>: A Unified Experimental and Theoretical Approach. *Journal of Physical Chemistry C*, **2020**, 124, 5378-5388 3.8 16
- 1258 Strain-induced novel properties of alloy nitride nanotubes. *Computational Materials Science*, **2020**, 177, 109589 3.2 4
- 1257 Theoretical study of greenhouse gases on the zirconium oxide nanotube surface. *Chemical Physics Letters*, **2020**, 745, 137236 2.5 2



1256	Stability of di-butyl-dichalcogenide-capped gold nanoparticles: experimental data and theoretical insights.. <i>RSC Advances</i> , <b>2020</b> , 10, 6259-6270	3.7	6
1255	Unveiling the role of $\beta$ -AgMoO microcrystals to the improvement of antibacterial activity. <i>Materials Science and Engineering C</i> , <b>2020</b> , 111, 110765	8.3	23
1254	Structural, electronic, vibrational and magnetic properties of Zn <sup>2+</sup> substituted MnCr <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 502, 166595	2.8	24
1253	One-step controllable synthesis of three-dimensional WO <sub>3</sub> hierarchical architectures with different morphologies decorated with silver nanoparticles: enhancing the photocatalytic activity. <i>RSC Advances</i> , <b>2020</b> , 10, 6625-6639	3.7	8
1252	Experimental and theoretical interpretation of the order/disorder clusters in CeO <sub>2</sub> :La. <i>Applied Surface Science</i> , <b>2020</b> , 510, 145216	6.7	2
1251	Electronic Structure, Morphological Aspects, and Photocatalytic Discoloration of Three Organic Dyes with MgWO <sub>4</sub> Powders Synthesized by the Complex Polymerization Method. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2020</b> , 30, 2952-2970	3.2	5
1250	Connecting the surface structure, morphology and photocatalytic activity of Ag <sub>2</sub> O: An in depth and unified theoretical investigation. <i>Applied Surface Science</i> , <b>2020</b> , 509, 145321	6.7	29
1249	Photoluminescence of Eu <sup>3+</sup> -doped CaZrO red-emitting phosphors synthesized via microwave-assisted hydrothermal method. <i>Materials Today Communications</i> , <b>2020</b> , 24, 100966	2.5	6
1248	Growth mechanism and vibrational and optical properties of SrMoO <sub>4</sub> : Tb <sup>3+</sup> , Sm <sup>3+</sup> particles: green-blue range tunable color. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 8610-8629	4.3	7
1247	Development and Characterization of Electrospun Nanostructures Using Polyethylene Oxide: Potential Means for Incorporation of Bioactive Compounds. <i>Colloids and Interfaces</i> , <b>2020</b> , 4, 14	3	4
1246	Ag Nanoparticles/AgX (X=Cl, Br and I) Composites with Enhanced Photocatalytic Activity and Low Toxicological Effects. <i>ChemistrySelect</i> , <b>2020</b> , 5, 4655-4673	1.8	9
1245	Probing the Site-Selective Doping in SrSnO:Eu Oxides and Its Impact on the Crystal and Electronic Structures Using Synchrotron Radiation and DFT Simulations. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 7666-7680	5.1	12
1244	Photocatalytic and Photoluminescent Properties of TiO <sub>2</sub> Nanocrystals Obtained by the Microwave Solvothermal Method. <i>Engineering Materials</i> , <b>2020</b> , 67-83	0.4	
1243	High Coverage of H <sub>2</sub> , CH <sub>4</sub> , NH <sub>3</sub> and H <sub>2</sub> O on (110) SnO <sub>2</sub> Nanotubes. <i>Engineering Materials</i> , <b>2020</b> , 169-188	0.4	
1242	Antifungal activity and biocompatibility of $\beta$ -AgVO microcrystals: A promising material against oral Candida disease. <i>Materials Science and Engineering C</i> , <b>2020</b> , 108, 110405	8.3	12
1241	Preparation and characterization of hematite nanoparticles-decorated zinc oxide particles (ZnO/Fe <sub>2</sub> O <sub>3</sub> ) as photoelectrodes for solar cell applications. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 2923-2936	4.3	7
1240	Temperature dependence on phase evolution in the BaTiO <sub>3</sub> polytypes studied using ab initio calculations. <i>International Journal of Quantum Chemistry</i> , <b>2020</b> , 120, e26054	2.1	7
1239	Connecting theory with experiment to understand the photocatalytic activity of CuO-ZnO heterostructure. <i>Ceramics International</i> , <b>2020</b> , 46, 9446-9454	5.1	24

1238	Towards a white-emitting phosphor Ca <sub>10</sub> V <sub>6</sub> O <sub>25</sub> based material. <i>Journal of Luminescence</i> , <b>2020</b> , 220, 116990	3.8	2
1237	Synthesis and characterization of Nd(OH) <sub>3</sub> -ZnO composites for application in photocatalysis and disinfection. <i>Chemical Engineering Journal</i> , <b>2020</b> , 392, 123737	14.7	10
1236	Experimental and ab Initio Studies of Deep-Bulk Traps in Doped Rare-Earth Oxide Thick Films. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 997-1007	3.8	3
1235	Influence of PZT insertion on Portland cement curing process and piezoelectric properties of 0âB cement-based composites by impedance spectroscopy. <i>Construction and Building Materials</i> , <b>2020</b> , 238, 117675	6.7	10
1234	Synthesis and characterization of Ag <sup>+</sup> and Zn <sup>2+</sup> co-doped CaWO <sub>4</sub> nanoparticles by a fast and facile sonochemical method. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 823, 153617	5.7	16
1233	Multi-dimensional architecture of Ag/□-Ag <sub>2</sub> WO <sub>4</sub> crystals: insights into microstructural, morphological, and photoluminescence properties. <i>CrystEngComm</i> , <b>2020</b> , 22, 7903-7917	3.3	4
1232	Structure, electronic properties, morphology evolution, and photocatalytic activity in PbMoO and PbCaSrMoO (= 0.1, 0.2, 0.3, 0.4 and 0.5) solid solutions. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 25876-25891	3.6	8
1231	TiO <sub>2</sub> -based dye-sensitized solar cells prepared with bixin and norbixin natural dyes: Effect of 2,2âBipyridine additive on the current and voltage. <i>Optik</i> , <b>2020</b> , 218, 165236	2.5	1
1230	Toward Expanding the Optical Response of Ag <sub>2</sub> CrO <sub>4</sub> and Bi <sub>2</sub> O <sub>3</sub> by Their Laser-Mediated Heterojunction. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 26404-26414	3.8	2
1229	Microwave-assisted solvothermal preparation of Zr-BDC for modification of proton exchange membranes made of SPEEK/PBI blends. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 14938-14952	4.3	6
1228	Structure, optical properties, and photocatalytic activity of □-Ag <sub>2</sub> W <sub>0.75</sub> Mo <sub>0.25</sub> O <sub>4</sub> . <i>Materials Research Bulletin</i> , <b>2020</b> , 132, 111011	5.1	4
1227	Synthesis of yttrium aluminate doped with Cr <sup>3+</sup> using MgF <sub>2</sub> âNa <sub>2</sub> B <sub>4</sub> O <sub>7</sub> as mineralizers to obtain red pigments for ceramic tiles application. <i>Ceramics International</i> , <b>2020</b> , 46, 27940-27950	5.1	1
1226	Correlation of photocatalytic activity and defects generated in Ca <sup>2+</sup> -based heterojunctions. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	2
1225	Atomistic Perspective on the Intrinsic White-Light Photoluminescence of Rare-Earth Free MgMoO <sub>4</sub> Nanoparticles. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 6592-6603	3.5	7
1224	Rational Design of W-Doped AgPO as an Efficient Antibacterial Agent and Photocatalyst for Organic Pollutant Degradation. <i>ACS Omega</i> , <b>2020</b> , 5, 23808-23821	3.9	6
1223	Unraveling the relationship between exposed surfaces and the photocatalytic activity of AgPO: an in-depth theoretical investigation.. <i>RSC Advances</i> , <b>2020</b> , 10, 30640-30649	3.7	6
1222	AgPO/NiO Composites with Enhanced Photocatalytic Activity under Visible Light. <i>ACS Omega</i> , <b>2020</b> , 5, 21651-21661	3.9	12
1221	Effect of the pH pre-adjustment on the formation of In <sub>2</sub> W <sub>3</sub> O <sub>12</sub> and In <sub>6</sub> W <sub>12</sub> powders: Cluster coordination and optical band gap. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , <b>2020</b> , 59, 2-14	1.9	



1220	Influence of microwave-assisted hydrothermal treatment time on the crystallinity, morphology and optical properties of ZnWO <sub>4</sub> nanoparticles: Photocatalytic activity. <i>Ceramics International</i> , <b>2020</b> , 46, 1766-1774 <sup>14</sup>	5.1	14
1219	Theoretical study of sarin adsorption on (12,0) boron nitride nanotube doped with silicon atoms. <i>Chemical Physics Letters</i> , <b>2020</b> , 738, 136816	2.5	3
1218	Unconventional Magnetization Generated from Electron Beam and Femtosecond Irradiation on $\Gamma$ -AgWO: A Quantum Chemical Investigation. <i>ACS Omega</i> , <b>2020</b> , 5, 10052-10067	3.9	8
1217	Portable Laboratory Platform With Electrochemical Biosensors for Immunodiagnostic of Hepatitis C Virus. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 10701-10709	4	15
1216	Tb <sup>3+</sup> /Pr <sup>3+</sup> co-doped ZnMoO <sub>4</sub> phosphor with tunable photoluminescence and energy transfer processes. <i>Optical Materials</i> , <b>2019</b> , 96, 109332	3.3	9
1215	CeO <sub>2</sub> Nanoparticle Morphologies and Their Corresponding Crystalline Planes for the Photocatalytic Degradation of Organic Pollutants. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 6513-6526	5.6	36
1214	Unveiling the efficiency of microwave-assisted hydrothermal treatment for the preparation of SrTiO mesocrystals. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 22031-22038	3.6	6
1213	Highly selective ozone gas sensor based on nanocrystalline Zn <sub>0.95</sub> Co <sub>0.05</sub> O thin film obtained via spray pyrolysis technique. <i>Applied Surface Science</i> , <b>2019</b> , 478, 347-354	6.7	28
1212	In Situ Growth of Bi Nanoparticles on NaBiO <sub>3</sub> , $\Gamma$ , and $\Gamma$ Bi <sub>2</sub> O <sub>3</sub> Surfaces: Electron Irradiation and Theoretical Insights. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 5023-5030	3.8	10
1211	Exploring effects of microwave-assisted thermal annealing on optical properties of Zn <sub>2</sub> GeO <sub>4</sub> nanostructured films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2019</b> , 246, 7-12	3.1	6
1210	SPEEK-based proton exchange membranes modified with MOF-encapsulated ionic liquid. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 236, 121792	4.4	26
1209	Fast and continuous obtaining of Eu <sup>3+</sup> doped CeO <sub>2</sub> microspheres by ultrasonic spray pyrolysis: characterization and photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 11508-11519	2.1	12
1208	Characterization of the structural, optical, photocatalytic and in vitro and in vivo anti-inflammatory properties of Mn <sup>2+</sup> doped Zn <sub>2</sub> GeO <sub>4</sub> nanorods. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 8216-8225	7.1	11
1207	Synthesis and characterization of ZrO <sub>2</sub> @SiO <sub>2</sub> core-shell nanostructure as nanocatalyst: Application for environmental remediation of rhodamine B dye aqueous solution. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 233, 1-8	4.4	15
1206	Controlling parameters and characteristics of electrochemical biosensors for enhanced detection of 8-hydroxy-2'-deoxyguanosine. <i>Scientific Reports</i> , <b>2019</b> , 9, 7411	4.9	11
1205	Influence of defects on photoluminescent and photocatalytic behavior of CaO/SrTiO <sub>3</sub> heterojunctions. <i>Ceramics International</i> , <b>2019</b> , 45, 15244-15251	5.1	13
1204	$\Gamma$ -AgVO Decorated by Hydroxyapatite (Ca(PO) <sub>3</sub> (OH)): Tuning Its Photoluminescence Emissions and Bactericidal Activity. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5900-5913	5.1	9
1203	Controlling the Electronic, Structural, and Optical Properties of Novel MgTiO <sub>3</sub> /LaNiO <sub>3</sub> Nanostructured Films for Enhanced Optoelectronic Devices. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 2612-2620 <sup>56</sup>	5.6	7

1202	Effect of different synthesis methods on the morphology, optical behavior, and superior photocatalytic performances of Ag <sub>3</sub> PO <sub>4</sub> sub-microcrystals using white-light-emitting diodes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 377, 14-25	4.7	14
1201	Environmental remediation properties of Bi <sub>2</sub> WO <sub>6</sub> hierarchical nanostructure: A joint experimental and theoretical investigation. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 274, 270-279	3.3	12
1200	Proof-of-Concept Studies Directed toward the Formation of Metallic Ag Nanostructures from Ag <sub>3</sub> PO <sub>4</sub> Induced by Electron Beam and Femtosecond Laser. <i>Particle and Particle Systems Characterization</i> , <b>2019</b> , 36, 1800533	3.1	9
1199	Unraveling the Role of Sn Segregation in the Electronic Transport of Polycrystalline Hematite: Raising the Electronic Conductivity by Lowering the Grain-Boundary Blocking Effect. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1900065	6.4	21
1198	Morphological aspects and optical properties of Ag <sub>4</sub> P <sub>2</sub> O <sub>7</sub> . <i>Materials Letters</i> , <b>2019</b> , 248, 193-196	3.3	3
1197	Connecting Theory with Experiment to Understand the Sintering Processes of Ag Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 11310-11318	3.8	8
1196	Effect of Gd <sup>3+</sup> doping on structural and photocatalytic properties of ZnO obtained by facile microwave-hydrothermal method. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	12
1195	Fast and simultaneous doping of SrCaInO:(xEu, yTm, zTb) superstructure by ultrasonic spray pyrolysis. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 56, 14-24	8.9	10
1194	Exploring the Properties of Niobium Oxide Films for Electron Transport Layers in Perovskite Solar Cells. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 50	5	14
1193	Laser and electron beam-induced formation of Ag/Cr structures on AgCrO. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 6101-6111	3.6	15
1192	Photocatalytic Properties under Sunlight of Heterostructures AgCl/CuO Obtained by Sonochemical Method. <i>Plasmonics</i> , <b>2019</b> , 14, 79-89	2.4	14
1191	Geometry, electronic structure, morphology, and photoluminescence emissions of BaW <sub>1-x</sub> MoxO <sub>4</sub> (x = 0, 0.25, 0.50, 0.75, and 1) solid solutions: Theory and experiment in concert. <i>Applied Surface Science</i> , <b>2019</b> , 463, 907-917	6.7	15
1190	Computational procedure to an accurate DFT simulation to solid state systems. <i>Computational Materials Science</i> , <b>2019</b> , 170, 109176	3.2	7
1189	Influence of Zn <sub>1-x</sub> CaxWO <sub>4</sub> heterostructures synthesized by spray pyrolysis on photoluminescence property. <i>Ceramics International</i> , <b>2019</b> , 45, 23256-23264	5.1	9
1188	Investigation on the photocatalytic performance of Ag <sub>4</sub> P <sub>2</sub> O <sub>7</sub> microcrystals for the degradation of organic pollutants. <i>Applied Surface Science</i> , <b>2019</b> , 493, 1195-1204	6.7	9
1187	Ag Nanoparticles/I--AgWO Composite Formed by Electron Beam and Femtosecond Irradiation as Potent Antifungal and Antitumor Agents. <i>Scientific Reports</i> , <b>2019</b> , 9, 9927	4.9	24
1186	Effect of sepiolite on the quiescent and non-quiescent crystallization behaviour of the biodegradable poly(lactic acid) prepared via casting and melting. <i>EXPRESS Polymer Letters</i> , <b>2019</b> , 13, 825-834	3.4	6
1185	Evidence for the formation of metallic In after laser irradiation of InP. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 025902	2.5	2

1184	Electronic Structure, Morphological Aspects, Optical and Electrochemical Properties of RuO <sub>2</sub> Nanocrystals. <i>Electronic Materials Letters</i> , <b>2019</b> , 15, 645-653	2.9	2
1183	Understanding the White-Emitting CaMoO <sub>4</sub> Co-Doped Eu <sup>3+</sup> , Tb <sup>3+</sup> , and Tm <sup>3+</sup> Phosphor through Experiment and Computation. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 18536-18550	3.8	27
1182	Influence of polymer insertion on the dielectric, piezoelectric and acoustic properties of 1-0-3 polyurethane/cement-based piezo composite. <i>Materials Research Bulletin</i> , <b>2019</b> , 119, 110541	5.1	8
1181	Niobium Oxide Films Deposited by Reactive Sputtering: Effect of Oxygen Flow Rate. <i>Journal of Visualized Experiments</i> , <b>2019</b> ,	1.6	1
1180	Effect of the Eu <sup>3+</sup> (x = 0, 1, 2 and 3 mol%) doped Zn <sub>2-x</sub> TiO <sub>4</sub> and Zn <sub>2</sub> Ti <sub>1-x</sub> O <sub>4</sub> obtained by complex polymerization method: photoluminescent and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 20979-20988	2.1	2
1179	Dielectric Behavior of $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> and its Huge Dielectric Loss Tangent. <i>Materials Research</i> , <b>2019</b> , 22,	1.5	3
1178	Influence of doping with Sm <sup>3+</sup> on photocatalytic reuse of ZnO thin films obtained by spin coating. <i>Revista Materia</i> , <b>2019</b> , 24,	0.8	1
1177	Designing biocompatible and multicolor fluorescent hydroxyapatite nanoparticles for cell-imaging applications. <i>Materials Today Chemistry</i> , <b>2019</b> , 14, 100211	6.2	7
1176	First principle investigation of the exposed surfaces and morphology of $\beta$ -ZnMoO <sub>4</sub> . <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 235301	2.5	10
1175	Rare earth doped silver tungstate for photoluminescent applications. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 771, 433-447	5.7	30
1174	Flower-like ZnO/ionic liquid composites: structure, morphology, and photocatalytic activity. <i>Ionics</i> , <b>2019</b> , 25, 3197-3210	2.7	5
1173	Influence of deposition parameters on the structure and microstructure of Bi <sub>12</sub> TiO <sub>20</sub> films obtained by pulsed laser deposition. <i>Ceramics International</i> , <b>2019</b> , 45, 3510-3517	5.1	8
1172	Photovoltaic Sub-Module With Optical Sensor for Angular Measurements of Incident Light. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 3111-3120	4	2
1171	Investigation on acid functionalization of double-walled carbon nanotubes of different lengths on the development of amperometric sensors. <i>Electrochimica Acta</i> , <b>2019</b> , 299, 762-771	6.7	13
1170	Tailoring the Bactericidal Activity of Ag Nanoparticles/ $\beta$ -AgWO Composite Induced by Electron Beam and Femtosecond Laser Irradiation: Integration of Experiment and Computational Modeling.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 824-837	4.1	25
1169	Luminescence properties of $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> nanorods co-doped with Li <sup>+</sup> and Eu <sup>3+</sup> cations and their effects on its structure. <i>Journal of Luminescence</i> , <b>2019</b> , 206, 442-454	3.8	18
1168	SrSnO <sub>3</sub> perovskite obtained by the modified Pechini methodâ€”Insights about its photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 369, 181-188	4.7	24
1167	Photoluminescent and antimicrobial properties of silver-doped indium hydroxide synthesized by one-step microwave-assisted hydrothermal method. <i>International Journal of Applied Ceramic Technology</i> , <b>2019</b> , 16, 471-480	2	2

1166	Nanostructured ZnS:Cu phosphor: Correlation between photoluminescence properties and local structure. <i>Journal of Luminescence</i> , <b>2019</b> , 206, 292-297	3.8	10
1165	Atomic Diffusion Induced by Electron-Beam Irradiation: An in Situ Study of Ag Structures Grown from $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> . <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 106-115	3.5	7
1164	Towards enhancing the magnetic properties by morphology control of ATiO <sub>3</sub> (A = Mn, Fe, Ni) multiferroic materials. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 475, 544-549	2.8	24
1163	Influence of ionic liquid on the photoelectrochemical properties of ZnO particles. <i>Ceramics International</i> , <b>2018</b> , 44, 10393-10401	5.1	11
1162	Influence Ca-doped SrIn <sub>2</sub> O <sub>4</sub> powders on photoluminescence property prepared one step by ultrasonic spray pyrolysis. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 747, 1078-1087	5.7	10
1161	Investigation of defects dependence of local piezoelectric response on Fe, La-modified (Pb,Sr)TiO <sub>3</sub> thin films: A piezoresponse force microscopy study. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 214, 180-184	4.4	1
1160	Structure, morphology and photoluminescence emissions of ZnMoO <sub>4</sub> : RE 3+=Tb <sup>3+</sup> - Tm <sup>3+</sup> - X Eu <sup>3+</sup> (x' = 1, 1.5, 2, 2.5 and 3 mol%) particles obtained by the sonochemical method. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 750, 55-70	5.7	26
1159	Theoretical methods for calculations of optical phonons in BiOBr: Analysis and correction of propagated errors. <i>Journal of Raman Spectroscopy</i> , <b>2018</b> , 49, 1356-1363	2.3	16
1158	Laser-induced formation of bismuth nanoparticles. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 13693-13696	3.6	15
1157	Towards the scale-up of the formation of nanoparticles on $\beta$ -AgWO with bactericidal properties by femtosecond laser irradiation. <i>Scientific Reports</i> , <b>2018</b> , 8, 1884	4.9	32
1156	Photocatalytic activity and photoluminescence properties of TiO <sub>2</sub> , In <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> /In <sub>2</sub> O <sub>3</sub> thin films multilayer. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 6530-6542	2.1	17
1155	Luminescent and gas sensor properties of the ZrO <sub>2</sub> :Hfpa:Eu <sup>3+</sup> Hybrid Compound. <i>Journal of Luminescence</i> , <b>2018</b> , 197, 38-46	3.8	3
1154	ZnWO nanocrystals: synthesis, morphology, photoluminescence and photocatalytic properties. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 1923-1937	3.6	77
1153	Novel gas sensor with dual response under CO(g) exposure: Optical and electrical stimuli. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 536, 280-288	2.8	9
1152	Influence of Cu substitution on the structural ordering, photocatalytic activity and photoluminescence emission of Ag <sub>3-2x</sub> Cu <sub>x</sub> PO <sub>4</sub> powders. <i>Applied Surface Science</i> , <b>2018</b> , 440, 61-72	6.7	17
1151	Photocatalytic evaluation of the magnetic core@shell system (Co,Mn)Fe <sub>2</sub> O <sub>4</sub> @TiO <sub>2</sub> obtained by the modified Pechini method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2018</b> , 229, 218-226	3.1	18
1150	Porous silicene and silicon graphenylene-like surfaces: a DFT study. <i>Theoretical Chemistry Accounts</i> , <b>2018</b> , 137, 1	1.9	9
1149	$\beta$ - and $\gamma$ -AgVO <sub>3</sub> polymorphs as photoluminescent materials: An example of temperature-driven synthesis. <i>Ceramics International</i> , <b>2018</b> , 44, 5939-5944	5.1	13

1148	Improving the ozone gas-sensing properties of CuWO <sub>4</sub> nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 748, 411-417	5.7	33
1147	Surfactant-Mediated Morphology and Photocatalytic Activity of $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> Material. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 8667-8679	3.8	45
1146	The effect of TiO <sub>2</sub> nanotube morphological engineering and ZnS quantum dots on the water splitting reaction: A theoretical and experimental study. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 6838-6850	6.7	8
1145	Theoretical study of porous surfaces derived from graphene and boron nitride. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 258, 247-255	3.3	17
1144	Calcium doped BiFeO <sub>3</sub> films: Rietveld analysis and piezoelectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 784-793	2.1	9
1143	Electrosteric colloidal stabilization for obtaining SrTiO <sub>3</sub> /TiO <sub>2</sub> heterojunction: Microstructural evolution in the interface and photonics properties. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 1621-1631	6	21
1142	Microwave-assisted hydrothermal synthesis followed by heat treatment: A new route to obtain CaZrO <sub>3</sub> . <i>Ceramics International</i> , <b>2018</b> , 44, 953-958	5.1	13
1141	Structural properties and self-activated photoluminescence emissions in hydroxyapatite with distinct particle shapes. <i>Ceramics International</i> , <b>2018</b> , 44, 236-245	5.1	21
1140	Promising effects of silver tungstate microcrystals on fibroblast human cells and three dimensional collagen matrix models: A novel non-cytotoxic material to fight oral disease. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 170, 505-513	6	8
1139	White light emission from single-phase Y <sub>2</sub> MoO <sub>6</sub> : xPr <sup>3+</sup> (x = 1, 2, 3 and 4 mol%) phosphor. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 769, 420-429	5.7	11
1138	Computational simulations of ZnO@GaN and GaN@ZnO core@shell nanotubes. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 266, 217-225	3.3	10
1137	Functioning and Disability Profile of Children with Microcephaly Associated with Congenital Zika Virus Infection. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	25
1136	Connecting structural, optical, and electronic properties and photocatalytic activity of Ag <sub>3</sub> PO <sub>4</sub> :Mo complemented by DFT calculations. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 238, 198-211	21.8	39
1135	Magnetism and multiferroic properties at MnTiO <sub>3</sub> surfaces: A DFT study. <i>Applied Surface Science</i> , <b>2018</b> , 452, 463-472	6.7	32
1134	Novel Route for Fabrication of ZnO nanorods-Au Nanoparticles Hybrids Directly Supported on Substrate and their Application as Gas Sensors. <i>Materials Research</i> , <b>2018</b> , 21,	1.5	2
1133	Direct photo-oxidation and superoxide radical as major responsible for dye photodegradation mechanism promoted by TiO <sub>2</sub> @GO heterostructure. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 17022-17037	2.1	6
1132	From Complex Inorganic Oxides to Ag-Bi Nanoalloy: Synthesis by Femtosecond Laser Irradiation. <i>ACS Omega</i> , <b>2018</b> , 3, 9880-9887	3.9	13
1131	Lithium lanthanum titanate perovskite ionic conductor: Influence of europium doping on structural and optical properties. <i>Ceramics International</i> , <b>2018</b> , 44, 21578-21584	5.1	3



1130	Experimental and theoretical study of the energetic, morphological, and photoluminescence properties of CaZrO <sub>3</sub> :Eu <sup>3+</sup> . <i>CrystEngComm</i> , <b>2018</b> , 20, 5519-5530	3.3	17
1129	Characterization and electrochemical performance of CeO <sub>2</sub> and Eu-doped CeO <sub>2</sub> films as a manganese redox flow battery component. <i>Journal of Rare Earths</i> , <b>2018</b> , 36, 1074-1083	3.7	13
1128	Photoluminescent properties of the Ba <sub>1-x</sub> Zn <sub>x</sub> MoO <sub>4</sub> heterostructure obtained by ultrasonic spray pyrolysis. <i>Ceramics International</i> , <b>2018</b> , 44, 3775-3786	5.1	24
1127	Nonvolatile memories <b>2018</b> , 275-282		1
1126	Electrical properties of calcium doped BiFeO <sub>3</sub> films on LaNiO <sub>3</sub> coated Pt substrates. <i>Processing and Application of Ceramics</i> , <b>2018</b> , 12, 153-163	1.4	1
1125	High-performance ultraviolet-visible driven ZnO morphologies photocatalyst obtained by microwave-assisted hydrothermal method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 353, 358-367	4.7	28
1124	Synthesis and structural evolution of partially and fully stabilized ZrO <sub>2</sub> from a versatile method aided by microwave power. <i>Ceramics International</i> , <b>2018</b> , 44, 3517-3522	5.1	5
1123	Experimental and theoretical study to explain the morphology of CaMoO <sub>4</sub> crystals. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 114, 141-152	3.9	31
1122	Formation of Ag nanoparticles under electron beam irradiation: Atomistic origins from first-principles calculations. <i>International Journal of Quantum Chemistry</i> , <b>2018</b> , 118, e25551	2.1	18
1121	Theoretical approach for determining the relation between the morphology and surface magnetism of Co <sub>3</sub> O <sub>4</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 453, 262-267	2.8	30
1120	Silver-controlled evolution of morphological, structural, and optical properties of three-dimensional hierarchical WO <sub>3</sub> structures synthesized from hydrothermal method. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 736, 143-151	5.7	13
1119	Electrical transport properties and complex impedance investigation of Fe <sup>3+</sup> and La <sup>3+</sup> co-doping (Pb,Sr)TiO <sub>3</sub> thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2018</b> , 236-237, 179-188	3.1	
1118	Photocurrent Response and Progesterone Degradation by Employing WO Films Modified with Platinum and Silver Nanoparticles. <i>ChemPlusChem</i> , <b>2018</b> , 83, 1153-1161	2.8	9
1117	Computational Chemistry Meets Experiments for Explaining the Geometry, Electronic Structure, and Optical Properties of CaVO. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 15489-15499	5.1	15
1116	Electronic structure, growth mechanism, and sonophotocatalytic properties of sphere-like self-assembled NiWO <sub>4</sub> nanocrystals. <i>Inorganic Chemistry Communication</i> , <b>2018</b> , 98, 34-40	3.1	11
1115	An approach for photodegradation mechanism at TiO <sub>2</sub> /SrTiO <sub>3</sub> interface. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 20329-20338	2.1	7
1114	Direct preparation of standard functional interfaces in oxide heterostructures for 2DEG analysis through beam-induced platinum contacts. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 131603	3.4	1
1113	In situ Formation of Metal Nanoparticles through Electron Beam Irradiation: Modeling Real Materials from First-Principles Calculations. <i>Journal of Material Science &amp; Engineering</i> , <b>2018</b> , 07,	0.7	3



1112	Piezoelectric Response of Porous Nanotubes Derived from Hexagonal Boron Nitride under Strain Influence. <i>ACS Omega</i> , <b>2018</b> , 3, 13413-13421	3.9	6
1111	Growth and Development of Children with Microcephaly Associated with Congenital Zika Virus Syndrome in Brazil. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	34
1110	Implementation of the International Classification of Functioning, Disability, and Health (ICF) Core Sets for Children and Youth with Cerebral Palsy: Global Initiatives Promoting Optimal Functioning. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	26
1109	Laser/Electron Irradiation on Indium Phosphide (InP) Semiconductor: Promising Pathways to In Situ Formation of Indium Nanoparticles. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1800237	3.1	11
1108	A DFT investigation of the role of oxygen vacancies on the structural, electronic and magnetic properties of ATiO (A = Mn, Fe, Ni) multiferroic materials. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 28382-28392	3.6	17
1107	Investigation of charge recombination lifetime in $\text{WO}_3$ films modified with Ag0 and Pt0 nanoparticles and its influence on photocurrent density. <i>Ionics</i> , <b>2018</b> , 24, 3291-3297	2.7	11
1106	Influence of order-disorder effects on the magnetic and optical properties of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Ceramics International</i> , <b>2018</b> , 44, 17290-17297	5.1	48
1105	Electronic structure of GaN nanotubes. <i>Comptes Rendus Chimie</i> , <b>2017</b> , 20, 190-196	2.7	12
1104	Photoluminescence properties of (Eu, Tb, Tm) co-doped PbMoO <sub>4</sub> obtained by sonochemical synthesis. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 700, 130-137	5.7	22
1103	Annealing temperature dependence of local piezoelectric response of (Pb,Ca)TiO <sub>3</sub> ferroelectric thin films. <i>Ceramics International</i> , <b>2017</b> , 43, 5047-5052	5.1	0
1102	Combined theoretical and nanoscale experimental study of Pb(Ca,Ba)TiO <sub>3</sub> , Pb(Sr,Ba)TiO <sub>3</sub> , and Pb(Sr,Ca)TiO <sub>3</sub> complex perovskite structures: An investigation of the ferroelectric and electronic properties. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 702, 327-337	5.7	2
1101	NaNbO <sub>3</sub> /PVDF Composite: A Flexible Functional Material. <i>Ceramic Engineering and Science Proceedings</i> , <b>2017</b> , 153-164	0.1	
1100	Evolution of the structural and microstructural characteristics of SrSn <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> thin films under the influence of the composition, the substrate and the deposition method. <i>Surface and Coatings Technology</i> , <b>2017</b> , 313, 361-373	4.4	7
1099	Blue and red light photoluminescence emission at room temperature from CaTiO <sub>3</sub> decorated with $\text{Ag}_2\text{WO}_4$ . <i>Ceramics International</i> , <b>2017</b> , 43, 5759-5766	5.1	10
1098	Effect of Er <sup>3+</sup> ions on the phase formation and properties of In <sub>2</sub> O <sub>3</sub> nanostructures crystallized upon microwave heating. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 249, 58-63	3.3	12
1097	Nanoscale investigation of ferroelectric and piezoelectric properties in (Pb,Ca)TiO <sub>3</sub> thin films grown on LaNiO <sub>3</sub> /LaAlO <sub>3</sub> (1 0 0) and Pt/Si(1 1 1) using piezoresponse force microscopy. <i>Materials Letters</i> , <b>2017</b> , 196, 64-68	3.3	3
1096	Structural evolution, growth mechanism and photoluminescence properties of CuWO nanocrystals. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 38, 256-270	8.9	38
1095	Computational Modeling for the Ag Nanoparticle Coalescence Process: A Case of Surface Plasmon Resonance. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 7030-7036	3.8	13

1094	Synthesis and evaluation of $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> as novel antifungal agent. <i>Chemical Physics Letters</i> , <b>2017</b> , 674, 125-129	2.5	22
1093	Magnetocoupling and domain structure of BiFeO <sub>3</sub> /LaFeO <sub>3</sub> heterostructures deposited on LaSrCoO <sub>3</sub> /Pt/TiO <sub>2</sub> /SiO <sub>2</sub> /Si (100) substrates by the soft chemical method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 8630-8642	2.1	1
1092	Synthesis of Cuboctahedral CeO <sub>2</sub> Nanoclusters and Their Assembly into Cuboid Nanoparticles by Oriented Attachment. <i>ChemNanoMat</i> , <b>2017</b> , 3, 228-232	3.5	4
1091	Preparation and photocatalytic properties of hexagonal-shaped ZnO:Sm <sup>3+</sup> by microwave-assisted hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 7943-7950	2.1	6
1090	Influence of substrate on structural and transport properties of LaNiO <sub>3</sub> thin films prepared by pulsed laser deposition. <i>AIP Advances</i> , <b>2017</b> , 7, 025005	1.5	6
1089	The interplay between morphology and photocatalytic activity in ZnO and N-doped ZnO crystals. <i>Materials and Design</i> , <b>2017</b> , 120, 363-375	8.1	52
1088	La <sub>0.5</sub> Sm <sub>0.5</sub> FeO <sub>3</sub> : a new candidate for magneto-electric coupling at room temperature. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 10747-10757	2.1	1
1087	Effect of Ag clusters doping on the photoluminescence, photocatalysis and magnetic properties of ZnO nanorods prepared by facile microwave-assisted hydrothermal synthesis. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 11059-11069	2.1	3
1086	Optical and gas-sensing properties, and electronic structure of the mixed-phase CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> /CaTiO <sub>3</sub> composites. <i>Materials Research Bulletin</i> , <b>2017</b> , 93, 47-55	5.1	20
1085	Photoluminescence and photocatalytic properties of Ag/AgCl synthesized by sonochemistry: statistical experimental design. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 12273-12281	2.1	20
1084	Stability of rolled-up GaAs nanotubes. <i>Journal of Molecular Modeling</i> , <b>2017</b> , 23, 204	2	3
1083	Unveiling the correlation between structural order-disorder character and photoluminescence emissions of NaNbO <sub>3</sub> . <i>CrystEngComm</i> , <b>2017</b> , 19, 4378-4392	3.3	8
1082	$\beta$ -AgZnWO <sub>4</sub> (0 ≤ x ≤ 0.25) Solid Solutions: Structure, Morphology, and Optical Properties. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 7360-7372	5.1	26
1081	Fast and efficient microwave-assisted synthesis of CaTiO <sub>3</sub> . <i>Materials Research Express</i> , <b>2017</b> , 4, 065014	1.7	0
1080	Effect of metallic Ag growth on the electrical resistance of 3D flower-like Ag <sub>4</sub> V <sub>2</sub> O <sub>7</sub> crystals. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2358-2362	3.8	4
1079	Superparamagnetic behaviour of zinc ferrite obtained by the microwave assisted method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 10772-10779	2.1	4
1078	Mechanism of Antibacterial Activity via Morphology Change of $\beta$ -AgVO <sub>4</sub> : Theoretical and Experimental Insights. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11472-11481	9.5	46
1077	An experimental and theoretical investigation on the optical and photocatalytic properties of ZnS nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , <b>2017</b> , 103, 179-189	3.9	33

1076	Evaluation of morphology and photoluminescent properties of PbMoO <sub>4</sub> crystals by ultrasonic amplitude. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 4608-4620	4.3	9
1075	A novel approach to obtain highly intense self-activated photoluminescence emissions in hydroxyapatite nanoparticles. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 249, 64-69	3.3	16
1074	Facile preparation of CuWO <sub>4</sub> porous films and their photoelectrochemical properties. <i>Electrochimica Acta</i> , <b>2017</b> , 256, 139-145	6.7	42
1073	Comparing parent and child reports of health-related quality of life and their relationship with leisure participation in children and adolescents with Cerebral Palsy. <i>Research in Developmental Disabilities</i> , <b>2017</b> , 71, 214-222	2.7	26
1072	Effects of microwave-assisted hydrothermal treatment and of use of capping reagent on the photophysical properties of SrMoO <sub>4</sub> phosphors. <i>Journal of Luminescence</i> , <b>2017</b> , 192, 818-826	3.8	11
1071	Bringing a humanistic approach to cancer clinical trials. <i>Ecancermedicalscience</i> , <b>2017</b> , 11, 738	2.7	5
1070	Effect of sintering parameters using the central composite design method, electronic structure and physical properties of yttria-partially stabilized ZrO <sub>2</sub> commercial ceramics. <i>Materials Science-Poland</i> , <b>2017</b> , 35, 225-238	0.6	1
1069	Non-ohmic properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin films deposited By RF-sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 15685-15693	2.1	3
1068	Performance of the MAGIC telescopes under moonlight. <i>Astroparticle Physics</i> , <b>2017</b> , 94, 29-41	2.4	29
1067	One-step synthesis of CaMoO <sub>4</sub> : Eu <sup>3+</sup> nanospheres by ultrasonic spray pyrolysis. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16867-16879	2.1	18
1066	Knowledge translation in pediatric rehabilitation: expanding access to scientific knowledge. <i>Brazilian Journal of Physical Therapy</i> , <b>2017</b> , 21, 389-390	3.7	9
1065	Tuning the Morphological, Optical, and Antimicrobial Properties of $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> Microcrystals Using Different Solvents. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 6239-6246	3.5	27
1064	First-Principles Study on Polymorphs of AgVO <sub>3</sub> : Assessing to Structural Stabilities and Pressure-Induced Transitions. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 27624-27642	3.8	19
1063	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at ( $\sqrt{s}$ =13 ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	19
1062	Bridging Structure and Real-Space Topology: Understanding Complex Molecules and Solid-State Materials <b>2017</b> , 427-454		2
1061	Structural investigation and photoluminescent properties of ZnWO <sub>4</sub> :Dy <sup>3+</sup> nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 15466-15479	2.1	14
1060	Mechanism of photoluminescence in intrinsically disordered CaZrO <sub>3</sub> crystals: First principles modeling of the excited electronic states. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 722, 981-995	5.7	15
1059	rGO-ZnO nanocomposites for high electrocatalytic effect on water oxidation obtained by microwave-hydrothermal method. <i>Applied Surface Science</i> , <b>2017</b> , 423, 743-751	6.7	42

1058	Uncovering the metastable $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> phase: a joint experimental and theoretical study. <i>RSC Advances</i> , <b>2017</b> , 7, 5610-5620	3.7	18
1057	Well-designed $\beta$ -Ag <sub>2</sub> MoO <sub>4</sub> crystals with photocatalytic and antibacterial activity. <i>Materials and Design</i> , <b>2017</b> , 115, 73-81	8.1	42
1056	UV-enhanced ozone gas sensing response of ZnO-SnO <sub>2</sub> heterojunctions at room temperature. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 240, 573-579	8.5	80
1055	Photoluminescent properties of ZrO <sub>2</sub> : Tm <sup>3+</sup> , Tb <sup>3+</sup> , Eu <sup>3+</sup> powders—a combined experimental and theoretical study. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 3094-3103	5.7	36
1054	Role of oxygen on the phase stability and microstructure evolution of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramics. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 129-136	6	30
1053	Effect of Fe <sup>3+</sup> Doping in the Photocatalytic Properties of BaSnO <sub>3</sub> Perovskite. <i>Materials Research</i> , <b>2017</b> , 20, 317-324	1.5	19
1052	CaSnO <sub>3</sub> obtained by modified Pechini method applied in the photocatalytic degradation of an azo dye. <i>Ceramica</i> , <b>2017</b> , 63, 536-541	1	17
1051	ZnO/SnO <sub>2</sub> Heterojunctions Sensors with UV-Enhanced Gas-Sensing Properties at Room Temperature. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 418	0.3	4
1050	Compacting and densification of TiO <sub>2</sub> nanoparticles. <i>Processing and Application of Ceramics</i> , <b>2017</b> , 11, 93-99	1.4	3
1049	Morphology and Optical Properties of SrWO <sub>4</sub> Powders Synthesized by the Coprecipitation and Polymeric Precursor Methods <b>2017</b> , 131-154		1
1048	N-doping SrTiO <sub>3</sub> @SrCO <sub>3</sub> heterostructure electrode: Synthesis, electrochemical characterization, and varistor application. <i>Ceramics International</i> , <b>2017</b> , 43, 11722-11732	5.1	7
1047	Facile microwave-assisted hydrothermal synthesis of hexagonal sodium tungsten bronze and its high response to NO <sub>2</sub> . <i>Materials Letters</i> , <b>2016</b> , 185, 197-200	3.3	10
1046	Enhancement of symmetry-induced photoluminescence in bismuth tungstate microcrystals. <i>Materials Letters</i> , <b>2016</b> , 184, 298-300	3.3	4
1045	Formation of Ag Nanoparticles on $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> through Electron Beam Irradiation: A Synergetic Computational and Experimental Study. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8661-71	5.1	33
1044	Manifestation of unusual size effects in granular thin films prepared by pulsed laser deposition. <i>Journal of Physics and Chemistry of Solids</i> , <b>2016</b> , 98, 38-42	3.9	6
1043	Defects or charge transfer: Different possibilities to explain the photoluminescence in crystalline Ba(Zr <sub>x</sub> Ti <sub>1-x</sub> )O <sub>3</sub> . <i>Journal of Luminescence</i> , <b>2016</b> , 179, 132-138	3.8	6
1042	Dielectric characterization of microwave sintered lead zirconate titanate ceramics. <i>Ceramics International</i> , <b>2016</b> , 42, 14423-14430	5.1	11
1041	Multiferroic behavior of heterostructures composed of lanthanum and bismuth ferrite. <i>Ceramics International</i> , <b>2016</b> , 42, 16521-16528	5.1	10

1040	Combined search for anomalous pseudoscalar HVV couplings in $VH(H\text{-}bb?)$ production and $H\text{-}\gamma/V$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 672-696	4.2	28
1039	In situ Transmission Electron Microscopy observation of Ag nanocrystal evolution by surfactant free electron-driven synthesis. <i>Scientific Reports</i> , <b>2016</b> , 6, 21498	4.9	32
1038	Photoluminescence and Photocatalytic Properties of Ag PO Microcrystals: An Experimental and Theoretical Investigation. <i>ChemPlusChem</i> , <b>2016</b> , 81, 202-212	2.8	52
1037	Determination of Ethambutol in Aqueous Medium Using an Inexpensive Gold Microelectrode Array as Amperometric Sensor. <i>Electroanalysis</i> , <b>2016</b> , 28, 985-989	3	8
1036	Espinela $\text{Li}_2\text{CoTi}_3\text{O}_8$ nanométrica obtenida para aplicaci3n como pigmento. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , <b>2016</b> , 55, 71-78	1.9	1
1035	Synthesis, antifungal evaluation and optical properties of silver molybdate microcrystals in different solvents: a combined experimental and theoretical study. <i>Dalton Transactions</i> , <b>2016</b> , 45, 10736-10743	4.3	38
1034	Electrical behavior of cerium dioxide films exposed to different gases atmospheres. <i>Ceramics International</i> , <b>2016</b> , 42, 15023-15029	5.1	14
1033	Photoluminescence emission in zirconium-doped calcium copper titanate powders. <i>Ceramics International</i> , <b>2016</b> , 42, 4837-4844	5.1	5
1032	Formation of Ag nanoparticles on metastable $\text{Ag}_2\text{WO}_4$ microcrystals induced by electron irradiation. <i>Chemical Physics Letters</i> , <b>2016</b> , 644, 68-72	2.5	27
1031	Anomalous temperature behavior of resistance in $\text{C}_{1-x}\text{Co}_x$ thin films grown by pulsed laser deposition technique. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 667, 18-22	5.7	3
1030	Structural characterization and photoluminescence behavior of pure and doped potassium strontium niobates ceramics with tetragonal tungstenâBronze structure. <i>Ceramics International</i> , <b>2016</b> , 42, 4709-4714	5.1	18
1029	Do environmental barriers affect the parent-reported quality of life of children and adolescents with cerebral palsy?. <i>Research in Developmental Disabilities</i> , <b>2016</b> , 49-50, 312-21	2.7	17
1028	A 3D platform for the morphology modulation of materials: first principles calculations on the thermodynamic stability and surface structure of metal oxides: $\text{Co}_3\text{O}_4$ , $\gamma\text{-Fe}_2\text{O}_3$ , and $\text{In}_2\text{O}_3$ . <i>Modelling and Simulation in Materials Science and Engineering</i> , <b>2016</b> , 24, 025007	2	46
1027	Novel ozone gas sensor based on ZnO nanostructures grown by the microwave-assisted hydrothermal route. <i>Ceramics International</i> , <b>2016</b> , 42, 4539-4545	5.1	40
1026	Rietveld analysis of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ thin films obtained by RF-sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 2175-2182	2.1	9
1025	Optical and structural investigation of $\text{ZnO@ZnS}$ coreâshell nanostructures. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 173, 347-354	4.4	15
1024	Periodic density functional theory study of structural and electronic properties of single-walled zinc oxide and carbon nanotubes. <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 237, 36-47	3.3	16
1023	White photoluminescence emission from $\text{ZrO}_2$ co-doped with $\text{Eu}^{3+}$ , $\text{Tb}^{3+}$ and $\text{Tm}^{3+}$ . <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 674, 245-251	5.7	39



1022	Different dye degradation mechanisms for ZnO and ZnO doped with N (ZnO:N). <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 417, 89-100		44
1021	Structural, Electronic, Vibrational, and Topological Analysis of Single-Walled Zinc Oxide Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 6814-6823	3.8	26
1020	Gas sensing and conductivity relationship on nanoporous thin films: A CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> case study. <i>Thin Solid Films</i> , <b>2016</b> , 604, 69-73	2.2	12
1019	Hierarchical growth of ZnO nanorods over SnO <sub>2</sub> seed layer: insights into electronic properties from photocatalytic activity. <i>RSC Advances</i> , <b>2016</b> , 6, 2112-2118	3.7	35
1018	Enhancement of the photocatalytic activity and white emission of CaIn <sub>2</sub> O <sub>4</sub> nanocrystals. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 658, 316-323	5.7	11
1017	Synthesis and characterization of metastable $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> : an experimental and theoretical approach. <i>Dalton Transactions</i> , <b>2016</b> , 45, 1185-91	4.3	18
1016	CaTiO <sub>3</sub> and Ca <sub>1-x</sub> Sm <sub>x</sub> TiO <sub>3</sub> : Photoluminescence and morphology as a result of Hydrothermal Microwave Methodology. <i>Ceramics International</i> , <b>2016</b> , 42, 1352-1360	5.1	17
1015	Microwave-assisted hydrothermal synthesis of Ag <sub>1-x</sub> W <sub>x</sub> (1-x)MoxO <sub>4</sub> heterostructures: Nucleation of Ag, morphology, and photoluminescence properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2016</b> , 153, 428-35	4.4	11
1014	Electrical behavior of chemically grown lanthanum ferrite thin films. <i>Ceramics International</i> , <b>2016</b> , 42, 2234-2240	5.1	6
1013	A Facile Synthesis Method to Obtain SrSnO <sub>3</sub> @AO <sub>2</sub> (A = Ti or Zr) Core Shell Systems. <i>Current Physical Chemistry</i> , <b>2016</b> , 5, 214-222	0.5	2
1012	Theoretical Study on Band Alignment Mechanism for the ZnO@ZnS Interface of Core-Shell Structures. <i>Current Physical Chemistry</i> , <b>2016</b> , 5, 327-336	0.5	6
1011	Theoretical Study of Gallium Arsenide Nanotubes Built From Crystal Plane (110). <i>Current Physical Chemistry</i> , <b>2016</b> , 6, 85-95	0.5	2
1010	Novel Gd(OH) <sub>3</sub> , GdOOH and Gd <sub>2</sub> O <sub>3</sub> Nanorods: Microwave-Assisted Hydrothermal Synthesis and Optical Properties. <i>Materials Research</i> , <b>2016</b> , 19, 1155-1161	1.5	8
1009	Spectroscopic Properties of pigment Li <sub>2-x</sub> Zn <sub>1-x</sub> Pr <sub>x</sub> Ti <sub>3</sub> O <sub>8</sub> . <i>Materials Research</i> , <b>2016</b> , 19, 824-828	1.5	1
1008	Varistores à base de WO <sub>3</sub> - revisão. <i>Revista Materia</i> , <b>2016</b> , 21, 105-114	0.8	3
1007	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 585, A133	5.1	64
1006	Overactive bladder - 18 years - Part I. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , <b>2016</b> , 42, 188-98	2	9
1005	Overactive bladder - 18 years - Part II. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , <b>2016</b> , 42, 199-214	2	11



1004	Simulations and Analysis of Titanium Dioxide Nanotubes (Rutile (110) and Anatase (101)). <i>Current Physical Chemistry</i> , <b>2016</b> , 6, 10-21	0.5	3
1003	Disclosing the electronic structure and optical properties of Ag <sub>4</sub> V <sub>2</sub> O <sub>7</sub> crystals: experimental and theoretical insights. <i>CrystEngComm</i> , <b>2016</b> , 18, 6483-6491	3.3	13
1002	An Understanding of the Photocatalytic Properties and Pollutant Degradation Mechanism of SrTiO <sub>3</sub> Nanoparticles. <i>Photochemistry and Photobiology</i> , <b>2016</b> , 92, 371-8	3.6	33
1001	Effects of chemical substitution on the structural and optical properties of $\square$ -Ag <sub>2-2x</sub> Ni <sub>x</sub> WO <sub>4</sub> (0 $\leq x \leq 0.08$ ) solid solutions. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 21966-75	3.6	16
1000	Beam test evaluation of electromagnetic calorimeter modules made from proton-damaged PbWO <sub>4</sub> crystals. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P04012-P04012	1	6
999	Improved photoluminescence emission and gas sensor properties of ZnO thin films. <i>Ceramics International</i> , <b>2016</b> , 42, 13555-13561	5.1	21
998	Mechanical properties, water absorption and adhesive properties of diepoxy aliphatic diluent-modified DGEBA/Cycloaliphatic amine networks on 316 L stainless steel. <i>International Journal of Adhesion and Adhesives</i> , <b>2016</b> , 68, 205-211	3.4	8
997	Morphological evolution and visible light-induced degradation of Rhodamine 6G by nanocrystalline bismuth tungstate prepared using a template-based approach. <i>Journal of Physics and Chemistry of Solids</i> , <b>2016</b> , 96-97, 83-91	3.9	10
996	Choice of hybrid functional and basis set optimization to calculate the structural, electronic, mechanical, and vibrational properties of BaSnO <sub>3</sub> . <i>Theoretical Chemistry Accounts</i> , <b>2016</b> , 135, 1	1.9	10
995	An Experimental and Computational Study of $\square$ -AgVO <sub>3</sub> : Optical Properties and Formation of Ag Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 12254-12264	3.8	37
994	In situ growth of Ag nanoparticles on $\square$ -Ag <sub>2</sub> WO <sub>4</sub> under electron irradiation: probing the physical principles. <i>Nanotechnology</i> , <b>2016</b> , 27, 225703	3.4	28
993	Understanding the formation and growth of Ag nanoparticles on silver chromate induced by electron irradiation in electron microscope: A combined experimental and theoretical study. <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 239, 220-227	3.3	21
992	Synthesis and morphological transformation of BaWO <sub>4</sub> crystals: Experimental and theoretical insights. <i>Ceramics International</i> , <b>2016</b> , 42, 10913-10921	5.1	40
991	Influence of Cu-doping on the structural and optical properties of CaTiO <sub>3</sub> powders. <i>Materials Research Bulletin</i> , <b>2016</b> , 81, 1-9	5.1	27
990	Acetone gas sensor based on $\square$ -Ag <sub>2</sub> WO <sub>4</sub> nanorods obtained via a microwave-assisted hydrothermal route. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 683, 186-190	5.7	54
989	On the morphology of BaMoO <sub>4</sub> crystals: A theoretical and experimental approach. <i>Crystal Research and Technology</i> , <b>2016</b> , 51, 634-644	1.3	16
988	Local Structure and Surface Properties of CoZnO Thin Films for Ozone Gas Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26066-26072	9.5	45
987	Structural, optical, magnetic, ferroelectric, and piezoelectric properties of (Pb,Ba)(Ti,Fe)O <sub>3</sub> perovskites: a macroscopic and nanoscale properties approach. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 9331-9342	7.1	7

986	Study of structural and optical properties of CaMoO <sub>4</sub> nanoparticles synthesized by the microwave-assisted solvothermal method. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 183, 110-120	4.4	19
985	Modeling the atomic-scale structure, stability, and morphological transformations in the tetragonal phase of LaVO <sub>4</sub> . <i>Chemical Physics Letters</i> , <b>2016</b> , 660, 87-92	2.5	28
984	Anatase TiO <sub>2</sub> nanocrystals anchored at inside of SBA-15 mesopores and their optical behavior. <i>Applied Surface Science</i> , <b>2016</b> , 389, 1137-1147	6.7	39
983	Theoretical and Experimental Insight on Ag <sub>2</sub> CrO <sub>4</sub> Microcrystals: Synthesis, Characterization, and Photoluminescence Properties. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8961-70	5.1	27
982	A joint experimental and theoretical study on the electronic structure and photoluminescence properties of Al <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> powders. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1081, 381-388	3.4	18
981	Photoluminescence of BaZrO <sub>3</sub> explained by a order/disordered transformation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 1993-2001	2.1	9
980	Experimental and Theoretical Study on the Structure, Optical Properties, and Growth of Metallic Silver Nanostructures in Ag <sub>3</sub> PO <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 6293-6306	3.8	92
979	Visible-light photocatalysis with bismuth titanate (Bi <sub>12</sub> TiO <sub>20</sub> ) particles synthesized by the oxidant peroxide method (OPM). <i>Ceramics International</i> , <b>2015</b> , 41, 12073-12080	5.1	34
978	Effect of lanthanum and lead doping on the microstructure and visible light photocatalysis of bismuth titanate prepared by the oxidant peroxide method (OPM). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2015</b> , 312, 55-63	4.7	11
977	Antimicrobial activity of TiO <sub>2</sub> :Ag nanocrystalline heterostructures: Experimental and theoretical insights. <i>Chemical Physics</i> , <b>2015</b> , 459, 87-95	2.3	21
976	Synthesis of Pr <sup>3+</sup> -doped CaTiO <sub>3</sub> using polymeric precursor and microwave-assisted hydrothermal methods: A comparative study. <i>Ceramics International</i> , <b>2015</b> , 41, 12841-12848	5.1	16
975	Microstructure and Thermal Conductivity of Porous Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> Ceramics. <i>Materials Science Forum</i> , <b>2015</b> , 820, 268-273	0.4	
974	Rapid synthesis of Co, Ni co-doped ZnO nanoparticles: Optical and electrochemical properties. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 230, 343-349	3.3	23
973	Investigation of structural and optical properties of CaTiO <sub>3</sub> powders doped with Mg <sup>2+</sup> and Eu <sup>3+</sup> ions. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 647, 265-275	5.7	24
972	Enhancement of ferromagnetic and ferroelectric properties in calcium doped BiFeO <sub>3</sub> by chemical synthesis. <i>Ceramics International</i> , <b>2015</b> , 41, 9265-9275	5.1	13
971	Structure, morphology, and optical properties of (Ca <sub>1-x</sub> Eu <sub>x</sub> )WO <sub>4</sub> microcrystals. <i>Electronic Materials Letters</i> , <b>2015</b> , 11, 193-197	2.9	8
970	Effect of Fe-doping on the structural, microstructural, optical, and ferroelectric properties of Pb <sub>1/2</sub> Sr <sub>1/2</sub> Ti <sub>1-x</sub> FexO <sub>3</sub> oxide prepared by spin coating technique. <i>Materials Letters</i> , <b>2015</b> , 138, 179-183	3.3	12
969	Photoluminescence properties of cerium oxide nanoparticles as a function of lanthanum content. <i>Materials Research Bulletin</i> , <b>2015</b> , 70, 416-423	5.1	51

968	Ozone and nitrogen dioxide gas sensor based on a nanostructured SrTi <sub>0.85</sub> Fe <sub>0.15</sub> O <sub>3</sub> thin film. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 638, 374-379	5.7	37
967	Influence of titanium precursor on photoluminescent emission of micro-cube-shaped CaTiO <sub>3</sub> . <i>Journal of Luminescence</i> , <b>2015</b> , 165, 130-137	3.8	8
966	Fingerprints of short-range and long-range structure in BaZr(1-x)Hf <sub>x</sub> O <sub>3</sub> solid solutions: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 11341-9	3.6	9
965	Structural, morphological and optical investigation of $\square$ -Ag <sub>2</sub> MoO <sub>4</sub> microcrystals obtained with different polar solvents. <i>CrystEngComm</i> , <b>2015</b> , 17, 8207-8211	3.3	33
964	Biodiesel obtained by ethylic transesterification using CuO, ZnO and CeO <sub>2</sub> supported on bentonite. <i>Fuel</i> , <b>2015</b> , 160, 357-365	7.1	19
963	Study of W boson production in pPb collisions at s <sub>NN</sub> =5.02 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 750, 565-586	4.2	36
962	Effect of different strontium precursors on the growth process and optical properties of SrWO <sub>4</sub> microcrystals. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 8089-8103	4.3	20
961	Structural and photoluminescence properties of Eu(3+) doped $\square$ -Ag <sub>2</sub> WO <sub>4</sub> synthesized by the green coprecipitation methodology. <i>Dalton Transactions</i> , <b>2015</b> , 44, 17673-85	4.3	47
960	Crystal growth and photoluminescence of europium-doped strontium titanate prepared by a microwave hydrothermal method. <i>Ceramics International</i> , <b>2015</b> , 41, 3549-3554	5.1	25
959	A theoretical investigation of the structural and electronic properties of orthorhombic CaZrO <sub>3</sub> . <i>Ceramics International</i> , <b>2015</b> , 41, 3069-3074	5.1	34
958	Quantum chemical topological analysis of hydrogen bonding in HX $\cdots$ X and CH <sub>3</sub> X $\cdots$ X dimers (X = Br, Cl, F). <i>Molecular Simulation</i> , <b>2015</b> , 41, 600-609	2	7
957	Evidence for resonant scattering of electrons by spin fluctuations in LaNiO <sub>3</sub> /LaAlO <sub>3</sub> heterostructures grown by pulsed laser deposition. <i>JETP Letters</i> , <b>2015</b> , 102, 383-386	1.2	6
956	A Combined Experimental and Theoretical Study on the Formation of Ag Filaments on $\square$ -Ag <sub>2</sub> MoO <sub>4</sub> Induced by Electron Irradiation. <i>Particle and Particle Systems Characterization</i> , <b>2015</b> , 32, 646-651	3.1	41
955	Effects of surface stability on the morphological transformation of metals and metal oxides as investigated by first-principles calculations. <i>Nanotechnology</i> , <b>2015</b> , 26, 405703	3.4	70
954	Metronomic chemotherapy in the neoadjuvant setting: results of two parallel feasibility trials (TraQme and TAME) in patients with HER2+ and HER2- locally advanced breast cancer. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2015</b> , 48, 479-85	2.8	6
953	Blue to Yellow Photoluminescence Emission and Photocatalytic Activity of Nitrogen Doping in TiO <sub>2</sub> Powders. <i>International Journal of Photoenergy</i> , <b>2015</b> , 2015, 1-12	2.1	7
952	Structural, optical, and magnetic properties of NiMoO <sub>4</sub> nanorods prepared by microwave sintering. <i>Scientific World Journal, The</i> , <b>2015</b> , 2015, 315084	2.2	42
951	Facet-dependent photocatalytic and antibacterial properties of $\square$ -Ag <sub>2</sub> WO <sub>4</sub> crystals: combining experimental data and theoretical insights. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 4091-4107	5.5	110

950	Monitoring a CuO gas sensor at work: an advanced in situ X-ray absorption spectroscopy study. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 18761-7	3.6	18
949	Effect of different starting materials on the synthesis of Ba <sub>0.8</sub> Ca <sub>0.2</sub> TiO <sub>3</sub> . <i>Journal of Advanced Ceramics</i> , <b>2015</b> , 4, 65-70	10.7	5
948	Elucidating the real-time Ag nanoparticle growth on $\Gamma$ -Ag <sub>2</sub> WO <sub>4</sub> during electron beam irradiation: experimental evidence and theoretical insights. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 5352-9	3.6	52
947	Identifying and rationalizing the morphological, structural, and optical properties of [Formula: see text]-AgMoO microcrystals, and the formation process of Ag nanoparticles on their surfaces: combining experimental data and first-principles calculations. <i>Science and Technology of Advanced Materials</i> , <b>2015</b> , 16, 065002	7.1	52
946	Synthesis of potassium niobates by the microwave-assisted solvothermal method. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 97, 012001	0.4	1
945	Scaling like behaviour of resistivity observed in LaNiO <sub>3</sub> thin films grown on SrTiO <sub>3</sub> substrate by pulsed laser deposition. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 485307	1.8	7
944	An easy method of preparing ozone gas sensors based on ZnO nanorods. <i>RSC Advances</i> , <b>2015</b> , 5, 19528-19533	19.33	58
943	Structural and optical properties of ZnS/MgNb <sub>2</sub> O <sub>6</sub> heterostructures. <i>Superlattices and Microstructures</i> , <b>2015</b> , 79, 180-192	2.8	6
942	Rietveld refinement and optical properties of SrWO <sub>4</sub> :Eu <sup>3+</sup> powders prepared by the non-hydrolytic sol-gel method. <i>Journal of Rare Earths</i> , <b>2015</b> , 33, 113-128	3.7	54
941	A large red-shift in the photoluminescence emission of Mg <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> . <i>Chemical Physics Letters</i> , <b>2015</b> , 622, 9-14	2.5	15
940	A relationship between structural and electronic order-disorder effects and optical properties in crystalline TiO <sub>2</sub> nanomaterials. <i>Dalton Transactions</i> , <b>2015</b> , 44, 3159-75	4.3	73
939	Photoluminescence in NaNbO <sub>3</sub> particles and films. <i>Materials Letters</i> , <b>2015</b> , 139, 443-446	3.3	16
938	Pigments based on Cr and Sb doped TiO <sub>2</sub> prepared by microemulsion-mediated solvothermal synthesis for inkjet printing on ceramics. <i>Dyes and Pigments</i> , <b>2015</b> , 116, 106-113	4.6	26
937	Rietveld refinement, cluster modelling, growth mechanism and photoluminescence properties of CaWO <sub>4</sub> :Eu <sup>3+</sup> microcrystals. <i>CrystEngComm</i> , <b>2015</b> , 17, 1654-1666	3.3	62
936	Rapid Preparation of (BiO) <sub>2</sub> CO <sub>3</sub> Nanosheets by Microwave-Assisted Hydrothermal Method with Promising Photocatalytic Activity Under UV-Vis Light. <i>Journal of the Brazilian Chemical Society</i> , <b>2015</b> , ,	1.5	2
935	Structural and electronic analysis of the atomic scale nucleation of Ag on $\Gamma$ -Ag <sub>2</sub> WO <sub>4</sub> induced by electron irradiation. <i>Scientific Reports</i> , <b>2014</b> , 4, 5391	4.9	76
934	TiO <sub>2</sub> /PDMS nanocomposites for use on self-cleaning surfaces. <i>Surface and Coatings Technology</i> , <b>2014</b> , 239, 16-19	4.4	42
933	Effect of calcium on the structural properties of Ba(1-x)Ca <sub>x</sub> TiO <sub>3</sub> particles synthesized by complex polymerization method. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 2875-2878	4.3	12

932	Synthesis and photocatalytic properties of bismuth titanate with different structures via oxidant peroxo method (OPM). <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 415, 89-94	9.3	44
931	A novel ozone gas sensor based on one-dimensional (1D) $\text{[AgWO]}$ nanostructures. <i>Nanoscale</i> , <b>2014</b> , 6, 4058-62	7.7	92
930	Study of the thermal resistance of alpha-phase aluminum oxide ( $\text{[Al}_2\text{O}_3\text{]}$ ) films deposited on the paper substrate. <i>Ceramics International</i> , <b>2014</b> , 40, 9509-9516	5.1	1
929	TiO <sub>2</sub> synthesized by microwave assisted solvothermal method: Experimental and theoretical evaluation. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 210, 171-177	3.3	30
928	Potential electron transference in $\text{[Ag}_2\text{WO}_4\text{]}$ microcrystals with Ag nanofilaments as microbial agent. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 5769-78	2.8	91
927	Stability, characterization and functionality of proton conducting $\text{NiO-BaCe}_{0.85}\text{-NbxY}_{0.15}\text{O}_3$ cermet anodes for IT-SOFC application. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 609, 7-13	5.7	3
926	Structural, electronic and optical properties of Fe(III) complex with pyridine-2,6-dicarboxylic acid: A combined experimental and theoretical study. <i>Inorganica Chimica Acta</i> , <b>2014</b> , 416, 200-206	2.7	16
925	Structural refinement, optical and ferroelectric properties of microcrystalline $\text{Ba}(\text{Zr}_{0.05}\text{Ti}_{0.95})\text{O}_3$ perovskite. <i>Current Applied Physics</i> , <b>2014</b> , 14, 708-715	2.6	30
924	Soft-chemical synthesis, characterization and humidity sensing behavior of $\text{WO}_3/\text{TiO}_2$ nanopowders. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 190, 40-47	8.5	27
923	Europium-doped calcium titanate: Optical and structural evaluations. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 585, 154-162	5.7	13
922	Red shift and higher photoluminescence emission of CCTO thin films undergoing pressure treatment. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 583, 488-491	5.7	13
921	Photoluminescence properties of praseodymium doped cerium oxide nanocrystals. <i>Ceramics International</i> , <b>2014</b> , 40, 4445-4453	5.1	71
920	Correlation between structural and electronic order-disorder effects and optical properties in ZnO nanocrystals. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 10164-10174	7.1	26
919	Europium doped zinc sulfide: a correlation between experimental and theoretical calculations. <i>Journal of Molecular Modeling</i> , <b>2014</b> , 20, 2375	2	14
918	Facile synthesis and characterization of $\text{ZrO}_2$ nanoparticles prepared by the AOP/hydrothermal route. <i>RSC Advances</i> , <b>2014</b> , 4, 38484	3.7	30
917	Towards controlled synthesis and better understanding of blue shift of the CaS crystals. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 2743	7.1	16
916	Evaluation of modified silica nanoparticles in carboxylated nitrile rubber nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 462, 45-51	5.1	13
915	Effect of $\text{Zn}^{2+}$ ions on the structure, morphology and optical properties of $\text{CaWO}_4$ microcrystals. <i>Journal of Sol-Gel Science and Technology</i> , <b>2014</b> , 72, 648-654	2.3	4



914	Photoluminescence activity of Ba <sub>1-x</sub> CaxTiO <sub>3</sub> : dependence on particle size and morphology. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 7056-7070	7.1	29
913	Structural disorder-dependent upconversion in Er <sup>3+</sup> /Yb <sup>3+</sup> -doped calcium titanate. <i>Ceramics International</i> , <b>2014</b> , 40, 15981-15984	5.1	8
912	Oxygen atom transfer reactions from Mimoun complexes to sulfides and sulfoxides. A bonding evolution theory analysis. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 6092-103	2.8	11
911	First-Principles Study of Pressure-Induced Phase Transitions and Electronic Properties of Ag <sub>2</sub> MoO <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 3724-3732	3.8	42
910	Vanadium-doped TiO <sub>2</sub> anatase nanostructures: the role of V in solid solution formation and its effect on the optical properties. <i>CrystEngComm</i> , <b>2014</b> , 16, 5021	3.3	38
909	The modification of structural and optical properties of nano- and submicron ZnO powders by variation of solvothermal syntheses conditions. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	3
908	Zinc blende versus wurtzite ZnS nanoparticles: control of the phase and optical properties by tetrabutylammonium hydroxide. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 20127-37	3.6	82
907	Fast photocatalytic degradation of an organic dye and photoluminescent properties of Zn doped In(OH) <sub>3</sub> obtained by the microwave-assisted hydrothermal method. <i>Materials Science in Semiconductor Processing</i> , <b>2014</b> , 27, 1036-1041	4.3	5
906	Synthesis by a chemical method and characterization of CaZrO <sub>3</sub> powders: Potential application as humidity sensors. <i>Ceramics International</i> , <b>2014</b> , 40, 16627-16634	5.1	36
905	Structural, ferroelectric, and optical properties of Pb <sub>0.60</sub> Ca <sub>0.20</sub> Sr <sub>0.20</sub> TiO <sub>3</sub> , Pb <sub>0.50</sub> Ca <sub>0.25</sub> Sr <sub>0.25</sub> TiO <sub>3</sub> and Pb <sub>0.40</sub> Ca <sub>0.30</sub> Sr <sub>0.30</sub> TiO <sub>3</sub> thin films prepared by the chemical solution deposition technique. <i>Ceramics International</i> , <b>2014</b> , 40, 13363-13370	5.1	5
904	Gas sensor applications of zinc oxide thin film grown by the polymeric precursor method. <i>Ceramics International</i> , <b>2014</b> , 40, 14991-14996	5.1	24
903	Structural refinement, optical and electrical properties of [Ba <sub>1-x</sub> Sm <sub>2x/3</sub> ](Zr <sub>0.05</sub> Ti <sub>0.95</sub> )O <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2014</b> , 25, 3427-3439	2.1	15
902	Experimental and theoretical investigations of electronic structure and photoluminescence properties of $\square$ Ag <sub>2</sub> MoO <sub>4</sub> microcrystals. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 5589-99	5.1	101
901	Electrical behavior of Bi <sub>0.95</sub> Nd <sub>0.05</sub> FeO <sub>3</sub> thin films grown by the soft chemical method. <i>Ceramics International</i> , <b>2014</b> , 40, 8715-8722	5.1	8
900	A DFT Study of Structural and Electronic Properties of ZnS Polymorphs and its Pressure-Induced Phase Transitions. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 4011-4018	3.8	31
899	Toward an Understanding of the Growth of Ag Filaments on $\square$ -Ag <sub>2</sub> WO <sub>4</sub> and Their Photoluminescent Properties: A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 1229-1239	3.8	111
898	Investigation of the structural, optical and dielectric properties of highly (100)-oriented (Pb <sub>0.60</sub> Ca <sub>0.20</sub> Sr <sub>0.20</sub> )TiO <sub>3</sub> thin films on LaNiO <sub>3</sub> bottom electrode. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2014</b> , 185, 123-128	3.1	2
897	Ferroelectric and structural instability of (Pb,Ca)TiO <sub>3</sub> thin films prepared in an oxygen atmosphere and deposited on LSCO thin films which act as a buffer layer. <i>Ceramics International</i> , <b>2014</b> , 40, 4085-4093	5.1	6



896	Experimental evidence of enhanced ferroelectricity in Ca doped BiFeO <sub>3</sub> . <i>Materials Chemistry and Physics</i> , <b>2014</b> , 144, 476-483	4.4	34
895	Structural, microstructural, optical and electrical properties of (Pb,Ba,Sr)TiO <sub>3</sub> films growth on conductive LaNiO <sub>3</sub> -coated LaAlO <sub>3</sub> (100) and Pt/Ti/SiO <sub>2</sub> /Si substrates. <i>Materials Letters</i> , <b>2014</b> , 121, 93-96	3.3	5
894	Effect of polyvinyl alcohol on the shape, photoluminescence and photocatalytic properties of PbMoO <sub>4</sub> microcrystals. <i>Materials Science in Semiconductor Processing</i> , <b>2014</b> , 26, 425-430	4.3	20
893	Influência do lantânio nas propriedades estruturais do SrSnO <sub>3</sub> . <i>Ceramica</i> , <b>2014</b> , 60, 259-266	1	1
892	Optical characterization of europium-doped indium hydroxide nanocubes obtained by Microwave-Assisted Hydrothermal method. <i>Materials Research</i> , <b>2014</b> , 17, 933-939	1.5	3
891	Síntese de nanocatalisador cerâmico a base de SnO <sub>2</sub> pelo método hidrotermal assistido por micro-ondas aplicado a reação de transesterificação do óleo de babaçu. <i>Ceramica</i> , <b>2014</b> , 60, 397-401	1	
890	Emissão luminescente no titanato de cálcio dopado com íons de terras-raras. <i>Ceramica</i> , <b>2014</b> , 60, 77-82	1	0
889	Microwave-assisted hydrothermal synthesis of magnetite nanoparticles with potential use as anode in lithium ion batteries. <i>Materials Research</i> , <b>2014</b> , 17, 1065-1070	1.5	11
888	Chemical modification of the surface of alumina with alkaline earth metal oxides using the polymeric precursor method for catalysis application. <i>Ceramica</i> , <b>2014</b> , 60, 154-159	1	5
887	Photoluminescence in SrSnO <sub>3</sub> :Fe <sup>3+</sup> Perovskite. <i>Current Physical Chemistry</i> , <b>2014</b> , 4, 21-29	0.5	5
886	Controlled synthesis of layered Sn <sub>3</sub> O <sub>4</sub> nanobelts by carbothermal reduction method and their gas sensor properties. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 6662-8	1.3	20
885	LaNiO <sub>3</sub> nanotubes produced using a template-assisted method. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 4431-6	1.3	2
884	Influence of solvent on the morphology and photocatalytic properties of ZnS decorated CeO <sub>2</sub> nanoparticles. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 213514	2.5	19
883	Effects of the Addition of Ions Barium on the Structural and Electrical Properties of PZT Ceramic. <i>Materials Science Forum</i> , <b>2014</b> , 798-799, 199-204	0.4	
882	Structure and photocatalytic properties of Nb-doped Bi <sub>12</sub> TiO <sub>20</sub> prepared by the oxidant peroxide method (OPM). <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	11
881	An investigation into the influence of zinc precursor on the microstructural, photoluminescence, and gas-sensing properties of ZnO nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	14
880	Influence of Calcium Concentration on the Structural and Electrical Properties of PZT Ceramic. <i>Materials Science Forum</i> , <b>2014</b> , 805, 298-304	0.4	1
879	Synthesis and Optical Property of MgMoO <sub>4</sub> Crystals. <i>Advanced Materials Research</i> , <b>2014</b> , 975, 243-247	0.5	1

878	Structural and electrical properties of LaNiO <sub>3</sub> thin films grown on (100) and (001) oriented SrLaAlO <sub>4</sub> substrates by chemical solution deposition method. <i>Materials Research Society Symposia Proceedings</i> , <b>2014</b> , 1633, 25-33		1
877	Synthesis and Characterization of NaNbO <sub>3</sub> Mesostructure by a Microwave-Assisted Hydrothermal Method. <i>Materials Research Society Symposia Proceedings</i> , <b>2014</b> , 1675, 145-150		1
876	Rapid calcination of ferrite Ni <sub>0.75</sub> Zn <sub>0.25</sub> Fe <sub>2</sub> O <sub>4</sub> by microwave energy. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 118, 277-285	4.1	3
875	Silver Molybdate and Silver Tungstate Nanocomposites with Enhanced Photoluminescence. <i>Nanomaterials and Nanotechnology</i> , <b>2014</b> , 4, 22	2.9	72
874	Evidence of magnetoelectric coupling on calcium doped bismuth ferrite thin films grown by chemical solution deposition. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17D910	2.5	4
873	Structural, dielectric, ferroelectric and optical properties of PBCT, PBST and PCST complex thin films on LaNiO <sub>3</sub> metallic conductive oxide layer coated Si substrates by the CSD technique. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 609, 33-39	5.7	5
872	Sn(1-x)LaxO <sub>2</sub> thin films deposited on AISI 304 stainless steel substrates. <i>Ceramics International</i> , <b>2014</b> , 40, 12359-12366	5.1	4
871	Effect of process parameters on photophysical properties and barium molybdate phosphors characteristics. <i>Ceramics International</i> , <b>2014</b> , 40, 6719-6729	5.1	24
870	Photoluminescence properties of CaTiO <sub>3</sub> :Eu <sup>3+</sup> nanophosphor obtained by the polymeric precursor method. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 145, 141-150	4.4	17
869	Uniaxially aligned ceramic nanofibers obtained by chemical mechanical processing. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 604, 175-180	5.7	2
868	Effect of soaking time on the photoluminescence properties of cerium oxide nanoparticles. <i>Ceramics International</i> , <b>2014</b> , 40, 1-9	5.1	36
867	Synthesis and characterization of lead zirconate titanate (PZT) obtained by two chemical methods. <i>Ceramics International</i> , <b>2014</b> , 40, 1717-1722	5.1	23
866	Influence of a co-substituted A-site on structural characteristics and ferroelectricity of (Pb, Ba, Ca)TiO <sub>3</sub> complex perovskites: analysis of local-, medium- and long-range order. <i>Journal of Sol-Gel Science and Technology</i> , <b>2014</b> , 69, 605-616	2.3	5
865	Rapid preparation of $\alpha$ -FeOOH and $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> nanostructures by microwave heating and their application in electrochemical sensors. <i>Materials Research Bulletin</i> , <b>2014</b> , 49, 572-576	5.1	34
864	Síntese e propriedades fotoluminescentes do óxido de césio dopado com magnésio. <i>Ceramica</i> , <b>2014</b> , 60, 371-378	1	1
863	A methodology to investigate the wear of blast furnace hearth carbon refractory lining. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , <b>2013</b> , 64, 1032-1038	1.6	8
862	Comparison of the nanoparticles performance in the photocatalytic degradation of a styrene-butadiene rubber nanocomposite. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 2368-2374	2.9	7
861	Effect of the composition on the thermal behaviour of the SrSn <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> precursor prepared by the polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2013</b> , 114, 565-572	4.1	8

860	Local electronic structure, optical bandgap and photoluminescence (PL) properties of Ba(Zr <sub>0.75</sub> Ti <sub>0.25</sub> )O <sub>3</sub> powders. <i>Materials Science in Semiconductor Processing</i> , <b>2013</b> , 16, 1035-1045	4.3	25
859	Effect of the ZrO <sub>2</sub> phase on the structure and behavior of supported Cu catalysts for ethanol conversion. <i>Journal of Catalysis</i> , <b>2013</b> , 307, 1-17	7.3	189
858	Quantum mechanical modeling of excited electronic states and their relationship to cathodoluminescence of BaZrO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 043714	2.5	15
857	The Role of Hierarchical Morphologies in the Superior Gas Sensing Performance of CuO-Based Chemiresistors. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1759-1766	15.6	218
856	Influence of the network modifier on the characteristics of MSnO <sub>3</sub> (M=Sr and Ca) thin films synthesized by chemical solution deposition. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 199, 34-41	3.3	16
855	Microwave-hydrothermal synthesis of single-crystalline Co <sub>3</sub> O <sub>4</sub> spinel nanocubes. <i>CrystEngComm</i> , <b>2013</b> , 15, 7443	3.3	33
854	Lanthanum cobaltite black pigments with perovskite structure. <i>Dyes and Pigments</i> , <b>2013</b> , 98, 459-463	4.6	16
853	Photocatalytic activity of semiconductor sulfide heterostructures. <i>Dalton Transactions</i> , <b>2013</b> , 42, 11111-11114	4.3	19
852	Enhanced bulk and superficial hydrophobicities of starch-based bionanocomposites by addition of clay. <i>Industrial Crops and Products</i> , <b>2013</b> , 50, 449-455	5.9	23
851	A simple procedure for the preparation of laponite and thermoplastic starch nanocomposites: Structural, mechanical, and thermal characterizations. <i>Journal of Thermoplastic Composite Materials</i> , <b>2013</b> , 26, 109-124	1.9	22
850	Luminescent properties of hybrid materials prepared by the polymeric precursor method. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 579, 227-235	5.7	23
849	A combined theoretical and experimental study of electronic structure and optical properties of Ba <sub>1-x</sub> Zn <sub>x</sub> MoO <sub>4</sub> microcrystals. <i>Polyhedron</i> , <b>2013</b> , 54, 13-25	2.7	65
848	Intense photoluminescence emission at room temperature in calcium copper titanate powders. <i>Ceramics International</i> , <b>2013</b> , 39, 3499-3506	5.1	24
847	Direct in situ observation of the electron-driven synthesis of Ag filaments on Ba <sub>1-x</sub> Ag <sub>x</sub> WO <sub>4</sub> crystals. <i>Scientific Reports</i> , <b>2013</b> , 3, 1676	4.9	95
846	Rietveld refinement, morphology and optical properties of (Ba <sub>1-x</sub> Sr <sub>x</sub> )MoO <sub>4</sub> crystals. <i>Journal of Applied Crystallography</i> , <b>2013</b> , 46, 1434-1446	3.8	37
845	Effect of Seed Addition on SnO <sub>2</sub> -Based Varistors for Low Voltage Application. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 524-530	3.8	17
844	Photoluminescence of core-shell nanoparticles made from yttrium stabilized zirconia powder grain coated with alumina. <i>CrystEngComm</i> , <b>2013</b> , 15, 3292	3.3	6
843	Influence of mineralizer agents on the growth of crystalline CeO <sub>2</sub> nanospheres by the microwave-hydrothermal method. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 550, 245-251	5.7	50

842	Low-temperature synthesis of nanosized bismuth ferrite by the soft chemical method. <i>Ceramics International</i> , <b>2013</b> , 39, 13-20	5.1	28
841	Synthesis of wurtzite ZnS nanoparticles using the microwave assisted solvothermal method. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 556, 153-159	5.7	78
840	Growth mechanism and photocatalytic properties of SrWO <sub>4</sub> microcrystals synthesized by injection of ions into a hot aqueous solution. <i>Advanced Powder Technology</i> , <b>2013</b> , 24, 344-353	4.6	79
839	High-density nanoparticle ceramic bodies. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2013</b> , 111, 1351-1355	4.5	6
838	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO <sub>4</sub> crystals. <i>Polyhedron</i> , <b>2013</b> , 50, 532-545	2.7	57
837	Preparation and photoluminescence characteristics of In(OH) <sub>3</sub> :xTb <sup>3+</sup> obtained by Microwave-Assisted Hydrothermal method. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 553, 338-342	5.7	31
836	Implementation of convective heating in Companhia Siderúrgica Nacional Blast Furnace runners. <i>Applied Thermal Engineering</i> , <b>2013</b> , 51, 1351-1358	5.8	1
835	Sintering of porous alumina obtained by biotemplate fibers for low thermal conductivity applications. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 1087-1092	6	16
834	CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin films with non-linear resistivity deposited by RF-sputtering. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 574, 604-608	5.7	19
833	Morphotropic phase boundary and electrical properties of 1-x[Bi <sub>0.5</sub> Na <sub>0.5</sub> ]TiO <sub>3</sub> -xBa[Zr <sub>0.25</sub> Ti <sub>0.75</sub> ]O <sub>3</sub> lead-free piezoelectric ceramics. <i>Ceramics International</i> , <b>2013</b> , 39, 4877-4886	5.1	42
832	Experimental and theoretical approach of nanocrystalline TiO <sub>2</sub> with antifungal activity. <i>Chemical Physics Letters</i> , <b>2013</b> , 577, 114-120	2.5	13
831	Structural investigation and improvement of photoluminescence properties in Ba(ZrxTi <sub>1-x</sub> )O <sub>3</sub> powders synthesized by the solid state reaction method. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 142, 70-76	4.4	16
830	Effect of controlled conductivity on thermal sensing property of 0-3 pyroelectric composite. <i>Smart Materials and Structures</i> , <b>2013</b> , 22, 025015	3.4	6
829	Correlation Between Photoluminescence and Structural Defects in Ca <sub>1+x</sub> Cu <sub>3-x</sub> Ti <sub>4</sub> O <sub>12</sub> Systems. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 209-217	3.8	26
828	High-voltage electrophoretic deposition of preferentially oriented films from multiferroic YMn <sub>2</sub> O <sub>5</sub> nanopowders. <i>Ceramics International</i> , <b>2013</b> , 39, 2065-2068	5.1	1
827	CO <sub>2</sub> adsorption on polar surfaces of ZnO. <i>Journal of Molecular Modeling</i> , <b>2013</b> , 19, 2069-78	2	16
826	Influence of the indium concentration on microstructural and electrical properties of proton conducting NiO-BaCe <sub>0.9</sub> In <sub>x</sub> Y <sub>0.1</sub> O <sub>3</sub> cermet anodes for IT-SOFC application. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 563, 254-260	5.7	7
825	Piezoresponse force microscopy characterization of rare-earth doped BiFeO <sub>3</sub> thin films grown by the soft chemical method. <i>Ceramics International</i> , <b>2013</b> , 39, 2185-2195	5.1	27

824	Structural and electrical properties of LaNiO <sub>3</sub> thin films grown on (100) and (001) oriented SrLaAlO <sub>4</sub> substrates by chemical solution deposition method. <i>Ceramics International</i> , <b>2013</b> , 39, 8025-8034	5.1	11
823	Structural and dielectric properties of polyvinyl alcohol/barium zirconium titanate polymer-ceramic composite. <i>Current Applied Physics</i> , <b>2013</b> , 13, 1490-1495	2.6	32
822	Long-range and short-range structures of cube-like shape SrTiO <sub>3</sub> powders: microwave-assisted hydrothermal synthesis and photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 12386-12393	3.6	74
821	Towards an insight on photodamage in hair fibre by UV-light: An experimental and theoretical study. <i>International Journal of Cosmetic Science</i> , <b>2013</b> , 35, 539-45	2.7	6
820	Effect of Yttrium Doping in Barium Zirconium Titanate Ceramics: A Structural, Impedance, and Modulus Spectroscopy Study. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2013</b> , 44, 4296-4309	2.3	15
819	Antifungal Applications of Ag-Decorated Hydroxyapatite Nanoparticles. <i>Journal of Nanomaterials</i> , <b>2013</b> , 2013, 1-9	3.2	18
818	Hydrostatic and [001] Uniaxial Pressure on Anatase TiO <sub>2</sub> by Periodic B3LYP-D* Calculations. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 7050-7061	3.8	19
817	Toward Understanding the Photocatalytic Activity of PbMoO <sub>4</sub> Powders with Predominant (111), (100), (011), and (110) Facets. A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 21382-21395	3.8	69
816	Selection of Desulfurizing Agents and Optimization of Operational Variables in Hot Metal Desulfurization. <i>Steel Research International</i> , <b>2013</b> , 84, 56-64	1.6	4
815	Degradation Analysis of the SnO <sub>2</sub> and ZnO-Based Varistors Using Electrostatic Force Microscopy. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 1801-1809	3.8	11
814	Magnetoelectric Properties of La-Modified BiFeO <sub>3</sub> Thin Films on Strontium Ruthenate (SrRuO <sub>3</sub> ) Buffered Layer. <i>Ceramic Engineering and Science Proceedings</i> , <b>2013</b> , 9-21	0.1	
813	New methodology for a faster synthesis of SrSnO <sub>3</sub> by the modified Pechini method. <i>Ceramica</i> , <b>2013</b> , 59, 249-253	1	16
812	Addition of sedimentary rock to kaolinitic clays: influence on sintering process. <i>Ceramica</i> , <b>2013</b> , 59, 147-155	1.5	19
811	Computational Studies of [(SnO <sub>2</sub> ) <sub>n</sub> ] <sub>m</sub> Nanotubes. <i>Current Physical Chemistry</i> , <b>2013</b> , 3, 451-476	0.5	3
810	A Theoretical Investigation of ZnO Nanotubes: Size and Diameter. <i>Current Physical Chemistry</i> , <b>2013</b> , 3, 400-407	0.5	6
809	Structural and optical approach of CdS@ZnS core-shell system. <i>Chemical Physics Letters</i> , <b>2012</b> , 536, 96-99	2.5	31
808	Electrical Properties of Textured Niobium-Doped Bismuth Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 2601-2607	3.8	5
807	Photoluminescence properties of PZT 52/48 synthesized by microwave hydrothermal method using PVA with template. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 46-50	3.8	17



806	Application of polysaccharide hydrogels in adsorption and controlled-extended release of fertilizers processes. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 123, 2291-2298	2.9	50
805	SnO <sub>2</sub> nanocrystals synthesized by microwave-assisted hydrothermal method: towards a relationship between structural and optical properties. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	42
804	Structural Refinement and Photoluminescence Properties of MnWO <sub>4</sub> Nanorods Obtained by Microwave-Hydrothermal Synthesis. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2012</b> , 22, 264-271	3.2	36
803	Structural and Electronic Properties of Lithiated SnO <sub>2</sub> . A Periodic DFT Study. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 16127-16137	3.8	14
802	Structure, microstructure and dielectric properties of 100â€“(Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> â€“(SrTiO <sub>3</sub> ) composites ceramics. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 109, 715-723	2.6	61
801	Structural XANES characterization of Ca <sub>0.99</sub> Sm <sub>0.01</sub> TiO <sub>3</sub> perovskite and correlation with photoluminescence emission. <i>Chemical Physics Letters</i> , <b>2012</b> , 544, 43-48	2.5	15
800	Very Intense Distinct Blue and Red Photoluminescence Emission in MgTiO <sub>3</sub> Thin Films Prepared by the Polymeric Precursor Method: An Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 15557-15567	3.8	18
799	Electronic structure, growth mechanism and photoluminescence of CaWO <sub>4</sub> crystals. <i>CrystEngComm</i> , <b>2012</b> , 14, 853-868	3.3	174
798	DFT study with inclusion of the Grimme potential on anatase TiO <sub>2</sub> : structure, electronic, and vibrational analyses. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 11731-5	2.8	27
797	Quantum Mechanics Insight into the Microwave Nucleation of SrTiO <sub>3</sub> Nanospheres. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 24792-24808	3.8	52
796	Structure, microstructure, ferroelectric/electromechanical properties and retention characteristics of [Bi <sub>1-x</sub> Nb <sub>x</sub> ]FeO <sub>3</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 109, 703-714	2.6	9
795	Cluster coordination and photoluminescence properties of $\gamma$ -Ag <sub>2</sub> WO <sub>4</sub> microcrystals. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 10675-87	5.1	143
794	Photoluminescence properties and synthesis of a PZT mesostructure obtained by the microwave-assisted hydrothermal method. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 512, 124-127	5.7	17
793	Structural evolution of Eu-doped hydroxyapatite nanorods monitored by photoluminescence emission. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 531, 50-54	5.7	47
792	Study of the annealing temperature effect on the structural and luminescent properties of SrWO <sub>4</sub> :Eu phosphors prepared by a non-hydrolytic solâ€“gel process. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 526, 11-21	5.7	77
791	Site-selective ethanol conversion over supported copper catalysts. <i>Catalysis Communications</i> , <b>2012</b> , 26, 122-126	3.2	78
790	Crystallization at room temperature from amorphous to trigonal selenium as a byproduct of the synthesis of water dispersible zinc selenide. <i>Materials Letters</i> , <b>2012</b> , 87, 62-65	3.3	20
789	CeO <sub>2</sub> nanoparticles synthesized by a microwave-assisted hydrothermal method: evolution from nanospheres to nanorods. <i>CrystEngComm</i> , <b>2012</b> , 14, 1150-1154	3.3	96

788	Synthesis and optimization of colloidal silica nanoparticles and their functionalization with methacrylic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 415, 209-217	5.1	22
787	Electronic structure and magnetic properties of FeWO <sub>4</sub> nanocrystals synthesized by the microwave-hydrothermal method. <i>Materials Characterization</i> , <b>2012</b> , 73, 124-129	3.9	19
786	Structural refinement and photoluminescence properties of irregular cube-like (Ca <sub>1-x</sub> Cu <sub>x</sub> )TiO <sub>3</sub> microcrystals synthesized by the microwave-hydrothermal method. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 136, 130-139	4.4	22
785	Photoluminescence of SrTiO <sub>3</sub> : Influence of Particle Size and Morphology. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 5671-5679	3.5	117
784	Urea-Based Synthesis of Zinc Oxide Nanostructures at Low Temperature. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-7	3.2	38
783	Novel SrTi <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> nanocubes synthesized by microwave-assisted hydrothermal method. <i>CrystEngComm</i> , <b>2012</b> , 14, 4068	3.3	20
782	Synthesis, optical and ferroelectric properties of PZT thin films: experimental and theoretical investigation. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6587		18
781	Structural refinement, growth process, photoluminescence and photocatalytic properties of (Ba <sub>1-x</sub> Pr <sub>2x/3</sub> )WO <sub>4</sub> crystals synthesized by the coprecipitation method. <i>RSC Advances</i> , <b>2012</b> , 2, 6438	3.7	72
780	Effect of partial preferential orientation and distortions in octahedral clusters on the photoluminescence properties of FeWO <sub>4</sub> nanocrystals. <i>CrystEngComm</i> , <b>2012</b> , 14, 7127	3.3	26
779	Synthesis, characterization and catalytic properties of nanocrystalline Y <sub>2</sub> O <sub>3</sub> -coated TiO <sub>2</sub> in the ethanol dehydration reaction. <i>Materials Research</i> , <b>2012</b> , 15, 285-290	1.5	7
778	Investiga�� do processo de absor�� de �gua de hidrog��s de polissacar��deo: efeito da carga i�nica, presen�a de sais, concentra��s de mon�mero e polissacar��deo. <i>Polimeros</i> , <b>2012</b> , 22, 311-317	1.6	7
777	Caracteriza�� el�trica de blocos varistores � base de SnO <sub>2</sub> . <i>Ceramica</i> , <b>2012</b> , 58, 349-356	1	
776	Synthesis of Ba <sub>1-x</sub> CaxTiO <sub>3</sub> by Complex Polymerization Method (CPM) <b>2012</b> ,		1
775	ONIOM study of dissociated hydrogen and water on ZnO surface. <i>International Journal of Quantum Chemistry</i> , <b>2012</b> , 112, 3223-3227	2.1	8
774	Interfacial photoluminescence emission properties of core/shell Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> . <i>CrystEngComm</i> , <b>2012</b> , 14, 393-396	3.3	13
773	Morphological and Structural changes of CaxSr <sub>1-x</sub> TiO <sub>3</sub> Powders Obtained by the Microwave-Assisted Hydrothermal Method. <i>International Journal of Applied Ceramic Technology</i> , <b>2012</b> , 9, 186-192	2	11
772	Structural refinement, optical and microwave dielectric properties of BaZrO <sub>3</sub> . <i>Ceramics International</i> , <b>2012</b> , 38, 2129-2138	5.1	75
771	Enhanced ferroelectric properties of La-substituted BiFeO <sub>3</sub> thin films on LaSrCoO <sub>3</sub> /Pt/TiO <sub>2</sub> /SiO <sub>2</sub> /Si (1 0 0) substrates prepared by the soft chemical method. <i>Ceramics International</i> , <b>2012</b> , 38, 3841-3849	5.1	15

770	Photoluminescent properties of lead zirconate powders obtained by the polymeric precursor method. <i>Ceramics International</i> , <b>2012</b> , 38, 4593-4599	5.1	10
769	Effect of different surfactants on the shape, growth and photoluminescence behavior of MnWO <sub>4</sub> crystals synthesized by the microwave-hydrothermal method. <i>Advanced Powder Technology</i> , <b>2012</b> , 23, 124-128	4.6	30
768	PbZnMoO <sub>4</sub> microcrystals synthesized by the surfactant-assisted hydrothermal method: Growth process and photoluminescence properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 396, 346-351	5.1	59
767	Photoluminescence Properties of Nanocrystals. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-2	3.2	3
766	Generation of copper nanoparticles induced by fs-laser irradiation in borosilicate glass. <i>Optics Express</i> , <b>2012</b> , 20, 15106-13	3.3	42
765	Indirect doping of microstructures fabricated by two-photon polymerization with gold nanoparticles. <i>Optics Express</i> , <b>2012</b> , 20, 21107-13	3.3	17
764	Investigation of Ferroelectric Layered Perovskite Barium Bismuth Tantalate Prepared by Solid-State Reaction. <i>Ferroelectrics</i> , <b>2012</b> , 428, 27-35	0.6	3
763	Relationship between Crystal Shape, Photoluminescence, and Local Structure in SrTiO <sub>3</sub> Synthesized by Microwave-Assisted Hydrothermal Method. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-6	3.2	18
762	Microwave Hydrothermal Synthesis and Photocatalytic Performance of ZnO and M:ZnO Nanostructures (M = V, Fe, Co). <i>Science of Advanced Materials</i> , <b>2012</b> , 4, 54-60	2.3	30
761	Electrical and microstructural properties of microwave sintered SnO <sub>2</sub> -based varistors. <i>Ceramica</i> , <b>2012</b> , 58, 151-157	1	4
760	Photoluminescent Properties of CoMoO <sub>4</sub> Nanorods Quickly Synthesized and Annealed in a Domestic Microwave Oven. <i>Advances in Chemical Engineering and Science</i> , <b>2012</b> , 02, 465-473	0.4	44
759	Hierarchical Assembly of CaMoO <sub>4</sub> Nano-Octahedrons and Their Photoluminescence Properties. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 5207-5219	3.8	113
758	Presence of excited electronic state in CaWO <sub>4</sub> crystals provoked by a tetrahedral distortion: An experimental and theoretical investigation. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 043501	2.5	74
757	A Joint Experimental and Theoretical Study on the Nanomorphology of CaWO <sub>4</sub> Crystals. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 20113-20119	3.8	66
756	Dielectric properties of soft chemical method derived CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin films onto Pt/TiO <sub>2</sub> /Si(1 0 0) substrates. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3817-3821	5.7	22
755	Structure, ferroelectric/magnetoelectric properties and leakage current density of (Bi <sub>0.85</sub> Nd <sub>0.15</sub> )FeO <sub>3</sub> thin films. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 5326-5335	5.7	55
754	Influence of different solvents on the structural, optical and morphological properties of CdS nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 6880-6883	5.7	44
753	Electric and dielectric behavior of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> -based thin films obtained by soft chemical method. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 9930-9933	5.7	21

752	BaMoO <sub>4</sub> :Tb <sup>3+</sup> phosphor properties: Synthesis, characterization and photophysical studies. <i>Solid State Ionics</i> , <b>2011</b> , 202, 54-59	3.3	46
751	Reuse of sugarcane bagasse ash (SCBA) to produce ceramic materials. <i>Journal of Environmental Management</i> , <b>2011</b> , 92, 2774-80	7.9	74
750	Formation of Nickel hydroxide plate-like structures under mild conditions and their optical properties. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2818-2823	3.3	11
749	Radioluminescence properties of decaoctahedral BaZrO <sub>3</sub> . <i>Scripta Materialia</i> , <b>2011</b> , 64, 118-121	5.6	31
748	Black and green pigments based on chromium–cobalt spinels. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 129, 619-624	4.4	41
747	Structural and dielectric characterization of praseodymium-modified lead titanate ceramics synthesized by the OPM route. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 130, 259-263	4.4	8
746	Microwave-hydrothermal synthesis of perovskite bismuth ferrite nanoparticles. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 2543-2547	5.1	47
745	New strategies in the preparation of exfoliated thermoplastic starch–montmorillonite nanocomposites. <i>Industrial Crops and Products</i> , <b>2011</b> , 34, 1502-1508	5.9	74
744	Order–disorder degree of self-assembled clusters: Influence on photoluminescence emission and morphology of Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> nanocrystals. <i>Chemical Physics Letters</i> , <b>2011</b> , 514, 301-306	2.5	9
743	A joint computational and experimental study of a novel dioxomolybdenum(VI) complex bearing chiral N,N-dimethyl lactamide ligand. <i>Inorganica Chimica Acta</i> , <b>2011</b> , 375, 41-46	2.7	7
742	Rietveld refinement, microstructure, conductivity and impedance properties of Ba[Zr <sub>0.25</sub> Ti <sub>0.75</sub> ]O <sub>3</sub> ceramic. <i>Current Applied Physics</i> , <b>2011</b> , 11, 1282-1293	2.6	86
741	Insight into Copper-Based Catalysts: Microwave-Assisted Morphosynthesis, In Situ Reduction Studies, and Dehydrogenation of Ethanol. <i>ChemCatChem</i> , <b>2011</b> , 3, 839-843	5.2	18
740	Influence of the concentration of Sb <sub>2</sub> O <sub>3</sub> on the electrical properties of SnO <sub>2</sub> varistors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2011</b> , 22, 679-683	2.1	7
739	The role of the Eu <sup>3+</sup> concentration on the SrMoO <sub>4</sub> :Eu phosphor properties: synthesis, characterization and photophysical studies. <i>Journal of Fluorescence</i> , <b>2011</b> , 21, 893-9	2.4	37
738	Synthesis and photoluminescence behavior of the Eu <sup>3+</sup> ions as a nanocoating over a silica SiO <sub>2</sub> matrix. <i>Journal of Fluorescence</i> , <b>2011</b> , 21, 975-81	2.4	9
737	Photoluminescent properties of nanorods and nanoplates Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> . <i>Journal of Fluorescence</i> , <b>2011</b> , 21, 1431-8	2.4	17
736	Synthesis and study of the photophysical properties of a new Eu <sup>3+</sup> complex with 3-hydroxypicolinamide. <i>Journal of Fluorescence</i> , <b>2011</b> , 21, 1575-83	2.4	11
735	Crystallization study of SrSnO <sub>3</sub> :Fe. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 106, 507-512	4.1	5

734	Influence of Cu(II) in the SrSnO <sub>3</sub> crystallization. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 106, 513-517	4.1	13
733	Superparamagnetic Ni:SiO <sub>2</sub> nanocomposites films synthesized by a polymeric precursor method. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 703-710	2.3	6
732	BaZrO <sub>3</sub> photoluminescence property: An ab initio analysis of structural deformation and symmetry changes. <i>International Journal of Quantum Chemistry</i> , <b>2011</b> , 111, 694-701	2.1	18
731	On the reversed crystal growth of BaZrO <sub>3</sub> decaoctahedron: shape evolution and mechanism. <i>CrystEngComm</i> , <b>2011</b> , 13, 5818	3.3	39
730	Joint experimental and theoretical analysis of order-disorder effects in cubic BaZrO <sub>3</sub> assembled nanoparticles under decaoctahedral shape. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 4482-90	2.8	24
729	The Role of Short-Range Disorder in BaWO <sub>4</sub> Crystals in the Intense Green Photoluminescence. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 12180-12186	3.8	21
728	Resistive-switching behavior in polycrystalline CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> nanorods. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 500-4	9.5	25
727	Moderating effect of ammonia on particle growth and stability of quasi-monodisperse silver nanoparticles synthesized by the Turkevich method. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 360, 355-8	9.3	73
726	Experimental and theoretical studies on the enhanced photoluminescence activity of zinc sulfide with a capping agent. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 123507	2.5	22
725	Morphology and Properties of (Ba, Sr, Ca) Titanates Synthesized by Microwave-Assisted Hydrothermal Method. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2011</b> , 18, 062019	0.4	
724	Piezoresponse force microscopy behaviour of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> ceramics with various excess bismuth. <i>Processing and Application of Ceramics</i> , <b>2011</b> , 5, 1-11	1.4	4
723	Electrical Properties of Highly Conducting SnO <sub>2</sub> :Sb Nanocrystals Synthesized using a Nonaqueous Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 3862-3866	3.8	23
722	Microstructural and nonohmic properties of ZnO.Pr <sub>6</sub> O <sub>11</sub> CoO polycrystalline system. <i>Materials Research</i> , <b>2010</b> , 13, 29-34	1.5	4
721	Reply to "Comment on 'Pb <sub>1-x</sub> CaxTiO <sub>3</sub> solid solution (x=0.0, 0.25, 0.50, and 0.75): A theoretical and experimental approach'" <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	3
720	Retention Characteristics of CBTi <sub>144</sub> Thin Films Explained by Means of X-Ray Photoemission Spectroscopy. <i>Advances in Materials Science and Engineering</i> , <b>2010</b> , 2010, 1-7	1.5	1
719	Efficient microwave-assisted hydrothermal synthesis of CuO sea urchin-like architectures via a mesoscale self-assembly. <i>CrystEngComm</i> , <b>2010</b> , 12, 1696	3.3	92
718	Effect of Different Solvent Ratios (Water/Ethylene Glycol) on the Growth Process of CaMoO <sub>4</sub> Crystals and Their Optical Properties. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 4752-4768	3.5	186
717	On the photoluminescence behavior of samarium-doped strontium titanate nanostructures under UV light. A structural and electronic understanding. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 7566-7579	2.6	58



716	An efficient microwave-assisted hydrothermal synthesis of BaZrO <sub>3</sub> microcrystals: growth mechanism and photoluminescence emissions. <i>CrystEngComm</i> , <b>2010</b> , 12, 3612	3.3	64
715	Indium hydroxide nanocubes and microcubes obtained by microwave-assisted hydrothermal method. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 497, L25-L28	5.7	25
714	Microwave-hydrothermal synthesis of barium strontium titanate nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 508, 620-624	5.7	51
713	A theoretical study on the photoluminescence of SrTiO <sub>3</sub> . <i>Chemical Physics Letters</i> , <b>2010</b> , 493, 141-146	2.5	41
712	Room temperature photoluminescence of BCT prepared by Complex Polymerization Method. <i>Current Applied Physics</i> , <b>2010</b> , 10, 16-20	2.6	21
711	Influence of support on catalytic behavior of nickel catalysts in the steam reforming of ethanol for hydrogen production. <i>Environmental Chemistry Letters</i> , <b>2010</b> , 8, 79-85	13.3	31
710	Gadolinium-doped cerium oxide nanorods: novel active catalysts for ethanol reforming. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 593-598	4.3	31
709	Microstructure and electrical properties of (Ta, Co, Pr) doped TiO <sub>2</sub> based electroceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2010</b> , 21, 246-251	2.1	10
708	Structural and morphological characteristics of (Pb <sub>1-x</sub> Sr <sub>x</sub> )TiO <sub>3</sub> powders obtained by polymeric precursor method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2010</b> , 53, 21-29	2.3	6
707	Investigation in SrTiO <sub>3</sub> -CaTiO <sub>3</sub> -PbTiO <sub>3</sub> ternary thin films by dielectric proprieties and Raman spectroscopy. <i>Journal of Sol-Gel Science and Technology</i> , <b>2010</b> , 55, 151-157	2.3	1
706	Stable colloidal suspensions of nanostructured zirconium oxide synthesized by hydrothermal process. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 3105-3110	2.3	25
705	Structural and dielectric relaxor properties of yttrium-doped Ba(Zr <sub>0.25</sub> Ti <sub>0.75</sub> )O <sub>3</sub> ceramics. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 121, 147-153	4.4	40
704	Temperature dependence on the electrical properties of Ba(Ti <sub>0.90</sub> Zr <sub>0.10</sub> )O <sub>3</sub> :2V ceramics. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 123, 772-775	4.4	11
703	Characterization of dense lead lanthanum titanate ceramics prepared from powders synthesized by the oxidant peroxo method. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 124, 1051-1056	4.4	9
702	Effect of oxidizing atmosphere on ferroelectric and piezoelectric response of CaBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> thin films. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 124, 894-899	4.4	17
701	In <sub>2</sub> O <sub>3</sub> microcrystals obtained from rapid calcination in domestic microwave oven. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 1703-1706	5.1	23
700	Structure and optical properties of [Ba <sub>1-x</sub> Y <sub>2x/3</sub> ](Zr <sub>0.25</sub> Ti <sub>0.75</sub> )O <sub>3</sub> powders. <i>Solid State Sciences</i> , <b>2010</b> , 12, 1160-1167	3.4	74
699	Oxide surface modification: synthesis and characterization of zirconia-coated alumina. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 343, 256-62	9.3	15

698	Structural deformation monitored by vibrational properties and orbital modeling in (Pb,Sm)TiO <sub>3</sub> systems. <i>Journal of Physics and Chemistry of Solids</i> , <b>2010</b> , 71, 12-17	3.9	16
697	CaTiO <sub>3</sub> :Eu <sup>3+</sup> obtained by microwave assisted hydrothermal method: A photoluminescent approach. <i>Optical Materials</i> , <b>2010</b> , 32, 990-997	3.3	58
696	ZnO architectures synthesized by a microwave-assisted hydrothermal method and their photoluminescence properties. <i>Solid State Ionics</i> , <b>2010</b> , 181, 775-780	3.3	79
695	Structure and growth mechanism of CuO plates obtained by microwave-hydrothermal without surfactants. <i>Advanced Powder Technology</i> , <b>2010</b> , 21, 197-202	4.6	97
694	Electronic structure and optical properties of BaMoO <sub>4</sub> powders. <i>Current Applied Physics</i> , <b>2010</b> , 10, 614-624	3.6	130
693	Photoluminescence of barium-calcium titanates obtained by the microwave-assisted hydrothermal method (MAH). <i>Chemical Physics Letters</i> , <b>2010</b> , 488, 54-56	2.5	18
692	The effect of TiO <sub>2</sub> on the microstructural and electrical properties of low voltage varistor based on (Sn,Ti)O <sub>2</sub> ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2010</b> , 207, 457-461	1.6	10
691	The role of oxygen vacancy in the photoluminescence property at room temperature of the CaTiO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 043526	2.5	29
690	Behaviour of biofuel addition on metallurgical properties of sinter. <i>Ironmaking and Steelmaking</i> , <b>2009</b> , 36, 333-340	1.3	4
689	Evaluation of the effect of the stoichiometric ratio of Ca/Cu on the electrical and microstructural properties of the CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> polycrystalline system. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 185503	3.3	50
688	A polaronic stacking fault defect model for CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> material: an approach for the origin of the huge dielectric constant and semiconducting coexistent features. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 055404	3	119
687	A new processing method of CaZn <sub>2</sub> (OH) <sub>6</sub> ·2H <sub>2</sub> O powders: Photoluminescence and growth mechanism. <i>Solid State Sciences</i> , <b>2009</b> , 11, 2173-2179	3.4	29
686	Fatigue and retention properties of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> films using LaNiO <sub>3</sub> bottom electrodes. <i>Materials Characterization</i> , <b>2009</b> , 60, 353-356	3.9	6
685	Retention characteristics of lanthanum-doped bismuth titanate films annealed at different furnaces. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 115, 434-438	4.4	6
684	Photoluminescence behavior in MgTiO <sub>3</sub> powders with vacancy/distorted clusters and octahedral tilting. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 117, 192-198	4.4	79
683	Reflux synthesis and hydrothermal processing of ZrO <sub>2</sub> nanopowders at low temperature. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 117, 455-459	4.4	50
682	The influence of temperature on the color of TiO <sub>2</sub> :Cr pigments. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 1086-1092	5.1	20
681	Effect of annealing atmosphere on phase formation and electrical characteristics of bismuth ferrite thin films. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 1747-1752	5.1	41

680	Influence of synthesis conditions on carbonate entrapment in perovskite SrSnO <sub>3</sub> . <i>Materials Letters</i> , <b>2009</b> , 63, 118-120	3.3	29
679	Phase transformation in titania nanocrystals by the oriented attachment mechanism: the role of the pH value. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 2217-22	4.8	38
678	Antimony-doped tin oxide nanocrystals: synthesis and solubility behavior in organic solvents. <i>ChemPhysChem</i> , <b>2009</b> , 10, 841-6	3.2	13
677	Nanocomposites of styrene- <i>butadiene</i> rubber and synthetic anatase obtained by a colloidal route and their photooxidation. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 1898-1904	2.9	5
676	Preparation of CeO <sub>2</sub> by a simple microwave-hydrothermal method. <i>Solid State Ionics</i> , <b>2009</b> , 180, 288-291	3.3	71
675	The influence of area/volume ratio on microstructure and non-Ohmic properties of SnO <sub>2</sub> -based varistor ceramic blocks. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2009</b> , 20, 49-54	2.1	10
674	Effect of TiO <sub>2</sub> surface modification in Rhodamine B photodegradation. <i>Journal of Sol-Gel Science and Technology</i> , <b>2009</b> , 49, 95-100	2.3	57
673	Microstructure, dielectric properties and optical band gap control on the photoluminescence behavior of Ba[Zr <sub>0.25</sub> Ti <sub>0.75</sub> ]O <sub>3</sub> thin films. <i>Journal of Sol-Gel Science and Technology</i> , <b>2009</b> , 49, 35-46	2.3	75
672	Heterogeneous Fenton reactants: a study of the behavior of iron oxide nanoparticles obtained by the polymeric precursor method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2009</b> , 52, 299-303	2.3	18
671	Thermogravimetric and UV-vis spectroscopic studies of chromium redox reactions in rutile pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2009</b> , 97, 99-103	4.1	3
670	Thermal and structural characterization of SrTi <sub>1-x</sub> Nd <sub>x</sub> O <sub>3</sub> . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2009</b> , 97, 559-564	4.1	3
669	SrSnO <sub>3</sub> :Nd obtained by the polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2009</b> , 97, 185-190	4.1	8
668	Structural and thermal characterization of Zn <sub>2-x</sub> CoxTiO <sub>4</sub> . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2009</b> , 97, 137-141	4.1	8
667	Thermal analysis applied in the crystallization study of SrSnO <sub>3</sub> . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2009</b> , 97, 179-183	4.1	21
666	Influence of the thermal treatment in the crystallization of NiWO <sub>4</sub> and ZnWO <sub>4</sub> . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2009</b> , 97, 167-172	4.1	47
665	Carbon-coated SnO <sub>2</sub> nanobelts and nanoparticles by single catalytic step. <i>Journal of Nanoparticle Research</i> , <b>2009</b> , 11, 955-963	2.3	6
664	Europium(III) concentration effect on the spectroscopic and photoluminescent properties of BaMoO <sub>4</sub> :Eu. <i>Journal of Fluorescence</i> , <b>2009</b> , 19, 495-500	2.4	24
663	Morphology and Photoluminescence of HfO <sub>2</sub> Obtained by Microwave-Hydrothermal. <i>Nanoscale Research Letters</i> , <b>2009</b> , 4, 1371-1379	5	56

662	First principles calculations on the origin of violet-blue and green light photoluminescence emission in SrZrO <sub>3</sub> and SrTiO <sub>3</sub> perovskites. <i>Theoretical Chemistry Accounts</i> , <b>2009</b> , 124, 385-394	1.9	63
661	Effect of strontium addition on ferroelectric phase transition of PZT thin films prepared by chemical route. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 95, 693-698	2.6	4
660	Effects of strontium and calcium simultaneous substitution on electrical and structural properties of Pb <sub>1-x</sub> Ca <sub>x</sub> Sr <sub>y</sub> TiO <sub>3</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 96, 731-740	2.6	3
659	The role of the Eu <sup>3+</sup> ions in structure and photoluminescence properties of SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> powders. <i>Optical Materials</i> , <b>2009</b> , 31, 995-999	3.3	52
658	(Sr,Tm)ZrO <sub>3</sub> powders prepared by the polymeric precursor method: Synthesis, optical properties and morphological characteristics. <i>Optical Materials</i> , <b>2009</b> , 31, 1134-1143	3.3	22
657	Growth mechanism of octahedron-like BaMoO <sub>4</sub> microcrystals processed in microwave-hydrothermal: Experimental observations and computational modeling. <i>Particuology</i> , <b>2009</b> , 7, 353-362	2.8	70
656	Photoluminescence property of powders prepared by solid state reaction and polymeric precursor method. <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 3341-3347	2.8	42
655	Production of biodiesel by esterification of palmitic acid over mesoporous aluminosilicate Al-MCM-41. <i>Fuel</i> , <b>2009</b> , 88, 461-468	7.1	170
654	Disorder-dependent photoluminescence in Ba <sub>0.8</sub> Ca <sub>0.2</sub> TiO <sub>3</sub> at room temperature. <i>Journal of Luminescence</i> , <b>2009</b> , 129, 686-690	3.8	17
653	Synthesis, growth process and photoluminescence properties of SrWO <sub>4</sub> powders. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 330, 227-36	9.3	124
652	The effect of cooling rate during hydrothermal synthesis of ZnO nanorods. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 4102-4108	1.6	41
651	NMR study of styrene-butadiene rubber (SBR) and TiO <sub>2</sub> nanocomposites. <i>Polymer Testing</i> , <b>2009</b> , 28, 490-494	4.9	43
650	Synthesis of (Ca,Nd)TiO <sub>3</sub> powders by complex polymerization, Rietveld refinement and optical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2009</b> , 74, 1050-9	4.4	44
649	High-efficient microwave synthesis and characterisation of SrSnO <sub>3</sub> . <i>Chemical Engineering Journal</i> , <b>2009</b> , 155, 905-909	14.7	40
648	Development of metal oxide nanoparticles by soft chemical method. <i>Ceramics International</i> , <b>2009</b> , 35, 463-466	5.1	18
647	Photoluminescent behavior of SrZrO <sub>3</sub> /SrTiO <sub>3</sub> multilayer thin films. <i>Chemical Physics Letters</i> , <b>2009</b> , 473, 293-298	2.5	27
646	Photoluminescence in quasi-amorphous Pb <sub>0.8</sub> X <sub>0.2</sub> Zr <sub>0.53</sub> Ti <sub>0.47</sub> O <sub>3</sub> (X=Ca, Sr and Ba) powders: An optical and structural study. <i>Chemical Physics Letters</i> , <b>2009</b> , 475, 96-100	2.5	6
645	Improvement of fatigue resistance on La modified BiFeO <sub>3</sub> thin films. <i>Current Applied Physics</i> , <b>2009</b> , 9, 520-523	2.6	46

644	Structural and optical properties of CaTiO <sub>3</sub> perovskite-based materials obtained by microwave-assisted hydrothermal synthesis: An experimental and theoretical insight. <i>Acta Materialia</i> , <b>2009</b> , 57, 5174-5185	8.4	157
643	Unveiling the chemical and morphological features of Sb-SnO <sub>2</sub> nanocrystals by the combined use of high-resolution transmission electron microscopy and ab initio surface energy calculations. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 14544-8	16.4	52
642	Single walled MgF <sub>2</sub> nanotubes. <i>Computational Materials Science</i> , <b>2009</b> , 46, 233-238	3.2	10
641	NiTiO <sub>3</sub> powders obtained by polymeric precursor method: Synthesis and characterization. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 468, 327-332	5.7	101
640	Intense blue and green photoluminescence emissions at room temperature in barium zirconate powders. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 471, 253-258	5.7	59
639	Photoluminescent behavior of BaWO <sub>4</sub> powders processed in microwave-hydrothermal. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 474, 195-200	5.7	75
638	Nanosized lead lanthanum titanate (PLT) ceramic powders synthesized by the oxidant peroxo method. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 475, 817-821	5.7	12
637	Structural transition on Pb <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> produced by chemical method. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 475, 940-945	5.7	15
636	Influence of the modifier on the short and long range disorder of stannate perovskites. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 476, 507-512	5.7	33
635	Polymeric precursor method to the synthesis of XWO <sub>4</sub> (X = Ca and Sr) thin films—structural, microstructural and spectroscopic investigations. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 477, 608-615	5.7	16
634	Structure and ferro/piezoelectric properties of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> films deposited on TiO <sub>2</sub> buffer layer. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 477, 85-89	5.7	7
633	Structural and dielectric properties of Ba <sub>0.5</sub> Sr <sub>0.5</sub> (Sn <sub>x</sub> Ti <sub>1-x</sub> )O <sub>3</sub> ceramics obtained by the soft chemical method. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 477, 877-882	5.7	31
632	Synthesis and photoluminescence behavior of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> powders obtained by the complex polymerization method. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 478, 661-670	5.7	39
631	Dielectric investigations of vanadium modified barium zirconium titanate ceramics obtained from mixed oxide method. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 479, 280-283	5.7	18
630	Effect of niobium dopant on fatigue characteristics of BiFeO <sub>3</sub> thin films grown on Pt electrodes. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 479, 274-279	5.7	55
629	Comparison of non-Ohmic accelerated ageing of the ZnO- and SnO <sub>2</sub> -based voltage dependent resistors. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 015503	3	20
628	Synthesis, Characterization, Anisotropic Growth and Photoluminescence of BaWO <sub>4</sub> . <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 1002-1012	3.5	102
627	Optical and dielectric relaxor behaviour of Ba(Zr <sub>0.25</sub> Ti <sub>0.75</sub> )O <sub>3</sub> ceramic explained by means of distorted clusters. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 175414	3	82



626	Synthesis of Fine Micro-sized BaZrO <sub>3</sub> Powders Based on a Decaoctahedron Shape by the Microwave-Assisted Hydrothermal Method. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 833-839	3.5	76
625	The influence of the film thickness of nanostructured alpha-Fe <sub>2</sub> O <sub>3</sub> on water photooxidation. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 1215-9	3.6	104
624	Morphology and Blue Photoluminescence Emission of PbMoO <sub>4</sub> Processed in Conventional Hydrothermal. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 5812-5822	3.8	156
623	Synthesis and characterization of lead zirconate titanate powders obtained by the oxidant peroxo method. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 469, 523-528	5.7	10
622	Grain size effect on the electrical response of SnO <sub>2</sub> thin and thick film gas sensors. <i>Materials Research</i> , <b>2009</b> , 12, 83-87	1.5	13
621	Aerosol deposition of Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> thin films. <i>Science of Sintering</i> , <b>2009</b> , 41, 303-308	0.7	2
620	Effect of the microwave oven on structural, morphological and electrical properties of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films grown on Pt/Ti/SiO <sub>2</sub> /Si substrates by a soft chemical method. <i>Materials Characterization</i> , <b>2008</b> , 59, 675-680	3.9	10
619	Leakage current behavior of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> ferroelectric thin films deposited on different bottom electrodes. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 107, 72-76	4.4	19
618	Structural and morphological characterization of Pb <sub>1-x</sub> Ba <sub>x</sub> TiO <sub>3</sub> thin films prepared by chemical route: An investigation of phase transition. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 108, 312-318	4.4	3
617	A homovalent doping in PMN ceramics by using lithium and scandium cations. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 112, 886-891	4.4	3
616	Size effects of polycrystalline lanthanum modified Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films. <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 158-167	5.1	21
615	CuO urchin-nanostructures synthesized from a domestic hydrothermal microwave method. <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 771-775	5.1	72
614	Nanometric Pb <sub>1-x</sub> La <sub>x</sub> TiO <sub>3</sub> (x = 0, 0.13 and 0.27) powders obtained by the polymeric precursor method. <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 825-835	5.1	3
613	Microwave-assisted hydrothermal synthesis of nanocrystalline SnO powders. <i>Materials Letters</i> , <b>2008</b> , 62, 239-242	3.3	54
612	Catalytic activity of nanometric pure and rare earth-doped SnO <sub>2</sub> samples. <i>Materials Letters</i> , <b>2008</b> , 62, 1677-1680	3.3	27
611	Preparation and characterization of ceria nanospheres by microwave-hydrothermal method. <i>Materials Letters</i> , <b>2008</b> , 62, 4509-4511	3.3	172
610	Influence of microwave energy on structural and photoluminescent behavior of CaTiO <sub>3</sub> powders. <i>Solid State Sciences</i> , <b>2008</b> , 10, 1056-1061	3.4	49
609	Effect of oxidizing atmosphere on the electrical properties of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films obtained by the polymeric precursor method. <i>Solid State Sciences</i> , <b>2008</b> , 10, 1951-1957	3.4	6

608	Reaction Pathway to the Synthesis of Anatase via the Chemical Modification of Titanium Isopropoxide with Acetic Acid. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 143-150	9.6	123
607	Density functional theory study on the structural and electronic properties of low index rutile surfaces for TiO <sub>2</sub> /SnO <sub>2</sub> /TiO <sub>2</sub> and SnO <sub>2</sub> /TiO <sub>2</sub> /SnO <sub>2</sub> composite systems. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 8943-52	2.8	55
606	Strain behavior of lanthanum modified BiFeO <sub>3</sub> thin films prepared via soft chemical method. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 104115	2.5	35
605	Reply to Comment on âReaction Pathway to the Synthesis of Anatase via the Chemical Modification of Titanium Isopropoxide with Acetic Acidâ. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3541-3541	9.6	4
604	Strain and vacancy cluster behavior of vanadium and tungsten-doped Ba[Zr <sub>0.10</sub> Ti <sub>0.90</sub> ]O <sub>3</sub> ceramics. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 032905	3.4	27
603	Hydrothermal Microwave: A New Route to Obtain Photoluminescent Crystalline BaTiO <sub>3</sub> Nanoparticles. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 5381-5387	9.6	147
602	Tunable visible photoluminescence of powdered silica glass. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 476-479	3.9	10
601	Dependence of annealing time on structural and morphological properties of Ca(Zr <sub>0.05</sub> Ti <sub>0.95</sub> )O <sub>3</sub> thin films. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 453, 386-391	5.7	3
600	Structural and microstructural characterization of SrBi <sub>2</sub> (Ta <sub>0.5</sub> Nb <sub>0.48</sub> W <sub>0.02</sub> ) <sub>2</sub> O <sub>9</sub> powders. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 454, 61-65	5.7	15
599	Dielectric properties of pure and lanthanum modified bismuth titanate thin films. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 454, 66-71	5.7	10
598	Growth of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films in a microwave oven by the polymeric precursor method. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 455, 407-412	5.7	12
597	Structural and electrical properties of SrBi <sub>2</sub> (Ta <sub>0.5</sub> Nb <sub>0.5</sub> ) <sub>2</sub> O <sub>9</sub> thin films. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 458, 500-503	5.7	5
596	Influence of doping on the preferential growth of ï-MoO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 459, 377-385	5.7	38
595	Synthesis and characterization of CuO flower-nanostructure processing by a domestic hydrothermal microwave. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 459, 537-542	5.7	200
594	:W thin films obtained by chemical solution deposition: Morphological and ferroelectric characteristics. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 461, 326-330	5.7	3
593	Dielectric and ferroelectric characteristics of barium zirconate titanate ceramics prepared from mixed oxide method. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 462, 129-134	5.7	131
592	Investigation on the structural properties in Er-doped PbTiO <sub>3</sub> compounds: A correlation between experimental and theoretical results. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 462, 157-163	5.7	31
591	Study of structural evolution and photoluminescent properties at room temperature of Ca(Zr,Ti)O <sub>3</sub> powders. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 464, 340-346	5.7	24

590	Preparation and characterizations of Ba <sub>0.8</sub> Ca <sub>0.2</sub> TiO <sub>3</sub> by complex polymerization method (CPM). <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 465, 452-457	5.7	18
589	Ferroelectric and dielectric properties of vanadium-doped Ba(Ti <sub>0.90</sub> Zr <sub>0.10</sub> )O <sub>3</sub> ceramics. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 466, L15-L18	5.7	46
588	Intercalation processes and diffusion paths of lithium ions in spinel-type structured Li <sub>1+x</sub> Ti <sub>2</sub> O <sub>4</sub> : Density functional theory study. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	22
587	Influence of structural disorder on the photoluminescence emission of PZT powders. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 8953-7	2.8	16
586	Toward an understanding of intermediate- and short-range defects in ZnO single crystals. A combined experimental and theoretical study. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 8970-8	2.8	57
585	Electronic and structural properties of the (1010) and (1120) ZnO surfaces. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 8958-63	2.8	78
584	Voltage-Composition Profile and Synchrotron X-ray Structural Analysis of Low and High Temperature Li <sub>x</sub> CoO <sub>2</sub> Host Material. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 14655-14664	3.8	8
583	Different origins of green-light photoluminescence emission in structurally ordered and disordered powders of calcium molybdate. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 8920-8	2.8	97
582	Photoluminescence of barium titanate and barium zirconate in multilayer disordered thin films at room temperature. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 8938-42	2.8	68
581	Experimental and theoretical correlation of very intense visible green photoluminescence in BaZrO <sub>3</sub> powders. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 063527	2.5	76
580	Influence of Tungsten Dopant on Sintering and Curie Temperatures of Ba(Zr <sub>0.10</sub> Ti <sub>0.90</sub> )O <sub>3</sub> Ceramics. <i>Ferroelectrics</i> , <b>2008</b> , 367, 120-130	0.6	1
579	Morphological Evolution of Tin Oxide Nanobelts after Phase Transition. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 1067-1072	3.5	26
578	Influence of Microwave Heating on the Growth of Gadolinium-Doped Cerium Oxide Nanorods. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 384-386	3.5	93
577	Piezoelectric behavior of SrRuO <sub>3</sub> buffered lanthanum modified bismuth ferrite thin films grown by chemical method. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 142902	3.4	10
576	Comparative degradation of ZnO- and SnO <sub>2</sub> -based polycrystalline non-ohmic devices by current pulse stress. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 122002	3	29
575	Defect-Induced Photoluminescence of Powdered Silica Glass. <i>Defect and Diffusion Forum</i> , <b>2008</b> , 273-276, 479-484	0.7	
574	Pressure-induced electrical and structural anomalies in Pb <sub>1-x</sub> CaxTiO <sub>3</sub> thin films grown at various oxygen pressures by chemical solution route. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 115402	3	1
573	Evolution of photoluminescence as a function of the structural order or disorder in CaMoO <sub>4</sub> nanopowders. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 043505	2.5	40

572	Structural conditions that leads to photoluminescence emission in SrTiO <sub>3</sub> : An experimental and theoretical approach. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 023515	2.5	118
571	Study of phase transition in (Pb,Ba)TiO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 014107	2.5	3
570	P-type semiconducting gas sensing behavior of nanoporous rf sputtered CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin films. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 132110	3.4	31
569	Novel aspects of the purpose-built materials strategy: evidence of topographic template effect and oriented attachment growth mechanism. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 3447-53	1.3	3
568	Analysis of Ca-PZT powder obtained by the Pechini and partial oxalate methods. <i>Ceramica</i> , <b>2008</b> , 54, 38-42	1	10
567	Influência da adição de nióquel na síntese do SrSnO <sub>3</sub> . <i>Ceramica</i> , <b>2008</b> , 54, 120-128	1	3
566	Obtenção de filmes finos de TiO <sub>2</sub> nanoestruturado pelo método dos precursores poliméricos. <i>Química Nova</i> , <b>2008</b> , 31, 1706-1709	1.6	4
565	Vibrational and thermal properties of crystalline topiramate. <i>Journal of the Brazilian Chemical Society</i> , <b>2008</b> , 19, 1607-1613	1.5	8
564	Materiais cerâmicos de inserção aplicados a baterias de íons lítio. <i>Ceramica</i> , <b>2008</b> , 54, 233-244	1	2
563	Synthesis, characterization, structural refinement and optical absorption behavior of PbWO <sub>4</sub> powders. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2008</b> , 150, 18-25	3.1	49
562	NiTiO <sub>3</sub> nanoparticles encapsulated with SiO <sub>2</sub> prepared by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2008</b> , 45, 151-155	2.3	15
561	Sol-gel synthesis and characterization of Fe <sub>2</sub> O <sub>3</sub> - CeO <sub>2</sub> doped with Pr ceramic pigments. <i>Journal of Sol-Gel Science and Technology</i> , <b>2008</b> , 47, 38-43	2.3	17
560	Synthesis, characterization and photophysical properties of Eu <sup>3+</sup> doped in BaMoO <sub>4</sub> . <i>Journal of Fluorescence</i> , <b>2008</b> , 18, 239-45	2.4	59
559	Effect of the order and disorder of BaMoO <sub>4</sub> powders in photoluminescent properties. <i>Journal of Fluorescence</i> , <b>2008</b> , 18, 51-9	2.4	42
558	Study of structural and photoluminescent properties of Ca <sub>8</sub> Eu <sub>2</sub> (PO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> . <i>Journal of Fluorescence</i> , <b>2008</b> , 18, 253-9	2.4	19
557	SiO <sub>2</sub> -GeO <sub>2</sub> soot preform as a core for Eu <sub>2</sub> O <sub>3</sub> nanocoating: synthesis and photophysical study. <i>Journal of Fluorescence</i> , <b>2008</b> , 18, 541-5	2.4	11
556	Lanthanum-based perovskites obtained by the polymeric precursor method. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 551-556	4.3	16
555	Effect of variations in annealing temperature and metallic cations on nanostructured molybdate thin films. <i>Nanoscale Research Letters</i> , <b>2008</b> , 3, 152-7	5	19

554	Influence of Rare Earth Doping on the Structural and Catalytic Properties of Nanostructured Tin Oxide. <i>Nanoscale Research Letters</i> , <b>2008</b> , 3, 194-199	5	25
553	Combined <sup>13</sup> C NMR and DFT/GIAO studies of the polyketides Aurasperone A and Fonsecinone A. <i>International Journal of Quantum Chemistry</i> , <b>2008</b> , 108, 2408-2416	2.1	2
552	Influence of thermal annealing treatment in oxygen atmosphere on grain boundary chemistry and non-ohmic properties of SnO <sub>2</sub> /MnO polycrystalline semiconductors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2008</b> , 205, 383-388	1.6	4
551	Relationship between grain-boundary capacitance and bulk shallow donors in SnO <sub>2</sub> polycrystalline semiconductor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2008</b> , 205, 1694-1698	1.6	9
550	Ion relaxation dynamics in a decoupled hybrid polyelectrolyte. <i>ChemPhysChem</i> , <b>2008</b> , 9, 245-8	3.2	5
549	Microwave-Assisted Hydrothermal Synthesis of Structurally and Morphologically Controlled Sodium Niobates by Using Niobic Acid as a Precursor. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 1300-1308	2.3	30
548	Shape controlled synthesis of CaMoO <sub>4</sub> thin films and their photoluminescence property. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 1249-1257	3.3	36
547	Photoluminescence in the Ca <sub>x</sub> Sr <sub>1-x</sub> WO <sub>4</sub> system at room temperature. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 1876-1881	3.3	36
546	Ferroelectric and piezoelectric properties of bismuth layered thin films grown on (1 0 0) Pt electrodes. <i>Journal of Materials Processing Technology</i> , <b>2008</b> , 196, 10-14	5.3	10
545	Intense and broad photoluminescence at room temperature in structurally disordered Ba[Zr <sub>0.25</sub> Ti <sub>0.75</sub> ]O <sub>3</sub> powders: An experimental/theoretical correlation. <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 1782-1789	3.9	25
544	Improvement of electrical properties of Sr-modified (Pb,Ca)TiO <sub>3</sub> thin films grown by soft chemistry route. <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 1951-1956	3.9	2
543	BaMoO <sub>4</sub> powders processed in domestic microwave-hydrothermal: Synthesis, characterization and photoluminescence at room temperature. <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 2674-2680	3.9	90
542	Leakage current, ferroelectric and structural properties in Pb <sub>1-x</sub> Ba <sub>x</sub> TiO <sub>3</sub> thin films prepared by chemical route. <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 2796-2803	3.9	4
541	SnO <sub>2</sub> , ZnO and related polycrystalline compound semiconductors: An overview and review on the voltage-dependent resistance (non-ohmic) feature. <i>Journal of the European Ceramic Society</i> , <b>2008</b> , 28, 505-529	6	221
540	Luminescence properties of Eu <sup>3+</sup> - and Mg <sup>2+</sup> -doped LiTaO <sub>3</sub> obtained via the polymeric precursor method. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 1606-1610	3.8	30
539	Yellow Zn <sub>x</sub> Ni <sub>1-x</sub> WO <sub>4</sub> pigments obtained using a polymeric precursor method. <i>Dyes and Pigments</i> , <b>2008</b> , 77, 210-216	4.6	36
538	Strong violet-blue light photoluminescence emission at room temperature in SrZrO <sub>3</sub> : Joint experimental and theoretical study. <i>Acta Materialia</i> , <b>2008</b> , 56, 2191-2202	8.4	122
537	SrMoO <sub>4</sub> powders processed in microwave-hydrothermal: Synthesis, characterization and optical properties. <i>Chemical Engineering Journal</i> , <b>2008</b> , 140, 632-637	14.7	165



536	Synthesis, structural refinement and optical behavior of CaTiO <sub>3</sub> powders: A comparative study of processing in different furnaces. <i>Chemical Engineering Journal</i> , <b>2008</b> , 143, 299-307	14.7	158
535	Lanthanum-doped Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> prepared by the soft chemical method: Rietveld analysis and piezoelectric properties. <i>Ceramics International</i> , <b>2008</b> , 34, 257-261	5.1	46
534	Intense violet-blue photoluminescence in BaZrO <sub>3</sub> powders: A theoretical and experimental investigation of structural order-disorder. <i>Optics Communications</i> , <b>2008</b> , 281, 3715-3720	2	48
533	Conventional and microwave sintering of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> /CaTiO <sub>3</sub> ceramic composites: non-ohmic and dielectric properties. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 152004	3	30
532	Comparative Electrical Behavior at Low and High Current of SnO <sub>2</sub> - and ZnO-Based Varistors. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 2402-2404	3.8	33
531	Mechanical Properties and Dimensional Effects of ZnO- and SnO <sub>2</sub> -Based Varistors. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 3105-3108	3.8	12
530	Photoluminescent CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> -Based Thin Films Synthesized by a Sol-gel Method. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 4162-4164	3.8	27
529	Método de impregnaçã química aplicado em tubos microporosos e membranas tubulares para a microfiltraçã de emulsões e suspensões de bactérias. <i>Ceramica</i> , <b>2008</b> , 54, 21-28	1	2
528	Revisão: efeito dos metais doadores nas propriedades elétricas e microestruturais dos varistores cerâmicos à base de SnO <sub>2</sub> . <i>Ceramica</i> , <b>2008</b> , 54, 296-302	1	4
527	Influência do uso do forno de microondas ou convencional na síntese de ZrO <sub>2</sub> . <i>Ceramica</i> , <b>2008</b> , 54, 451-455		4
526	Highly intense violet-blue light emission at room temperature in structurally disordered SrZrO <sub>3</sub> powders. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 091906	3.4	101
525	Structural Order-Disorder Transformations Monitored by X-ray Diffraction and Photoluminescence. <i>Journal of Chemical Education</i> , <b>2007</b> , 84, 814	2.4	9
524	Mechanisms behind blue, green, and red photoluminescence emissions in CaWO <sub>4</sub> and CaMoO <sub>4</sub> powders. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 051923	3.4	84
523	Influência do pH sobre a estabilidade de suspensões de alumina estabilizadas eletrostericamente. <i>Química Nova</i> , <b>2007</b> , 30, 70-74	1.6	2
522	Room temperature photoluminescence of (RE)NiO <sub>3</sub> (RE=La, Y, Er, Ho, Nd and La <sub>1-x</sub> Y <sub>x</sub> ). <i>Ceramica</i> , <b>2007</b> , 53, 165-168	1	
521	Structural and morphological characterization of rare earth modified lead titanate. <i>Ceramica</i> , <b>2007</b> , 53, 422-447	1	
520	Role of the oriented attachment mechanism in the phase transformation of oxide nanocrystals. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 5798-803	4.8	33
519	Lithium ion motion in a hybrid polymer: confirmation of a decoupled polyelectrolyte. <i>ChemPhysChem</i> , <b>2007</b> , 8, 1778-81	3.2	6

518	Study on the orientation degree of $\text{Pb}_{1-x}\text{La}_x\text{TiO}_3$ thin films by the rocking curve technique and its morphological aspects. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 6345-6351	4.4	4
517	Jahn-Teller effect on the structure of the Sm-doped $\text{PbTiO}_3$ : A theoretical approach. <i>Computational and Theoretical Chemistry</i> , <b>2007</b> , 813, 33-37		5
516	Electronic and structural properties of the (001) $\text{SrZrO}_3$ surface. <i>Computational and Theoretical Chemistry</i> , <b>2007</b> , 813, 49-56		39
515	Monoferrite $\text{BaFe}_2\text{O}_4$ applied as ceramic pigment. <i>Ceramics International</i> , <b>2007</b> , 33, 521-525	5.1	52
514	Influence of milling time on mechanically assisted synthesis of $\text{Pb}_{0.91}\text{Ca}_{0.1}\text{TiO}_3$ powders. <i>Ceramics International</i> , <b>2007</b> , 33, 937-941	5.1	9
513	Evolution of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ varistor properties during heat treatment in vacuum. <i>Ceramics International</i> , <b>2007</b> , 33, 1187-1190	5.1	48
512	Wet-chemical synthesis of magnesium niobate nanoparticles powders. <i>Ceramics International</i> , <b>2007</b> , 33, 1205-1209	5.1	22
511	Electrical properties of lanthanum doped $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ thin films annealed in different atmospheres. <i>Ceramics International</i> , <b>2007</b> , 33, 1535-1541	5.1	6
510	Understanding the origin of photoluminescence in disordered $\text{Ca}_{0.60}\text{Sr}_{0.40}\text{WO}_4$ : An experimental and first-principles study. <i>Chemical Physics</i> , <b>2007</b> , 334, 180-188	2.3	52
509	$\text{Er}^{3+}$ as marker for order-disorder determination in the $\text{PbTiO}_3$ system. <i>Chemical Physics</i> , <b>2007</b> , 335, 7-14	2.3	24
508	Impact of oxygen atmosphere on piezoelectric properties of $\text{CaBi}_2\text{Nb}_2\text{O}_9$ thin films. <i>Acta Materialia</i> , <b>2007</b> , 55, 4707-4712	8.4	24
507	Combined experimental and theoretical investigations of the photoluminescent behavior of $\text{Ba}(\text{Ti,Zr})\text{O}_3$ thin films. <i>Acta Materialia</i> , <b>2007</b> , 55, 6416-6426	8.4	53
506	Dependence of the nonlinear electrical behavior of $\text{SnO}_2$ -based varistors on $\text{Cr}_2\text{O}_3$ addition. <i>Ceramics International</i> , <b>2007</b> , 33, 187-192	5.1	20
505	Temperature dependence of electron properties of Sn doped nanobelts. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 400, 243-247	2.8	2
504	Domestic microwave oven adapted for fast heat treatment of $\text{Ba}_{0.5}\text{Sr}_{0.5}(\text{Ti}_{0.8}\text{Sn}_{0.2})\text{O}_3$ powders. <i>Journal of Materials Processing Technology</i> , <b>2007</b> , 189, 316-319	5.3	35
503	Barium strontium titanate nanocrystalline thin films prepared by soft chemical method. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 3799-3802	6	15
502	Admittance and dielectric spectroscopy of polycrystalline semiconductors. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 4313-4320	6	33
501	Blue-green and red photoluminescence in $\text{CaTiO}_3\text{:Sm}$ . <i>Journal of Luminescence</i> , <b>2007</b> , 126, 403-407	3.8	49

500	Photoluminescent property of mechanically milled BaWO <sub>4</sub> powder. <i>Journal of Luminescence</i> , <b>2007</b> , 126, 741-746	3.8	23
499	Photoluminescence of crystalline and disordered BTO:Mn powder: Experimental and theoretical modeling. <i>Journal of Luminescence</i> , <b>2007</b> , 126, 771-778	3.8	25
498	Contribution of structural order-disorder to the room-temperature photoluminescence of lead zirconate titanate powders. <i>Journal of Luminescence</i> , <b>2007</b> , 127, 689-695	3.8	26
497	Synthesis and electrical characterization of tungsten doped Pb(Zr <sub>0.53</sub> Ti <sub>0.47</sub> )O <sub>3</sub> ceramics obtained from a hybrid process. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 103, 371-374	4.4	12
496	Structural characterization of phase transition of Al <sub>2</sub> O <sub>3</sub> nanopowders obtained by polymeric precursor method. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 103, 394-399	4.4	186
495	Temperature dependence of dielectric properties for Ba(Zr <sub>0.25</sub> Ti <sub>0.75</sub> )O <sub>3</sub> thin films obtained from the soft chemical method. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 105, 293-297	4.4	26
494	Ferroelectric and piezoelectric properties of bismuth titanate thin films grown on different bottom electrodes by soft chemical solution and microwave annealing. <i>Materials Research Bulletin</i> , <b>2007</b> , 42, 975-981	5.1	14
493	Piezoelectric properties of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films annealed in different atmospheres. <i>Materials Research Bulletin</i> , <b>2007</b> , 42, 967-974	5.1	11
492	Niobium doped Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> ceramics obtained by the polymeric precursor method. <i>Materials Letters</i> , <b>2007</b> , 61, 588-591	3.3	17
491	Room temperature co-precipitation of nanocrystalline CeO <sub>2</sub> and Ce <sub>0.8</sub> Gd <sub>0.2</sub> O <sub>1.9</sub> powder. <i>Materials Letters</i> , <b>2007</b> , 61, 1904-1907	3.3	92
490	Dependence of La <sub>2</sub> O <sub>3</sub> content on the nonlinear electrical behaviour of ZnO, CoO and Ta <sub>2</sub> O <sub>5</sub> doped SnO <sub>2</sub> varistors. <i>Materials Letters</i> , <b>2007</b> , 61, 2121-2125	3.3	16
489	Catalyst nanocomposites templates of carbon nanoribbons, nanospheres and nanotubes. <i>Materials Letters</i> , <b>2007</b> , 61, 3341-3344	3.3	3
488	Synthesis of Ba <sub>0.5</sub> Sr <sub>0.5</sub> (Ti <sub>0.80</sub> Sn <sub>0.20</sub> )O <sub>3</sub> prepared by the soft chemical method. <i>Materials Letters</i> , <b>2007</b> , 61, 4086-4089	3.3	10
487	Dye-sensitized solar cell architecture based on indium tin oxide nanowires coated with titanium dioxide. <i>Scripta Materialia</i> , <b>2007</b> , 57, 277-280	5.6	59
486	Synthesis and characterization of CaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films annealed by microwave and conventional furnaces. <i>Solid State Sciences</i> , <b>2007</b> , 9, 756-760	3.4	17
485	SrZrO <sub>3</sub> powders obtained by chemical method: Synthesis, characterization and optical absorption behaviour. <i>Solid State Sciences</i> , <b>2007</b> , 9, 1020-1027	3.4	38
484	Qualitative evaluation of active potential barriers in SnO <sub>2</sub> -based polycrystalline devices by electrostatic force microscopy. <i>Applied Physics A: Materials Science and Processing</i> , <b>2007</b> , 87, 793-796	2.6	7
483	Structural and spectroscopic characterization of Al <sub>2-x</sub> Cr <sub>x</sub> O <sub>3</sub> powders obtained by polymeric precursor method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2007</b> , 43, 131-136	2.3	10

- 482 Ferroelectric and dielectric behaviour of Bi<sub>0.92</sub>La<sub>0.08</sub>FeO<sub>3</sub> multiferroic thin films prepared by soft chemistry route. *Journal of Sol-Gel Science and Technology*, **2007**, 44, 269-273 2.3 23
- 481 Effect of the modifier ion on the properties of MgFe<sub>2</sub>O<sub>4</sub> and ZnFe<sub>2</sub>O<sub>4</sub> pigments. *Journal of Thermal Analysis and Calorimetry*, **2007**, 87, 709-713 4.1 20
- 480 Influence of processing conditions on the thermal decomposition of SrTiO<sub>3</sub> precursors. *Journal of Thermal Analysis and Calorimetry*, **2007**, 87, 731-735 4.1 7
- 479 Thermal and structural investigation of SnO<sub>2</sub>/Sb<sub>2</sub>O<sub>3</sub> obtained by the polymeric precursor method. *Journal of Thermal Analysis and Calorimetry*, **2007**, 87, 697-701 4.1 21
- 478 Influence of the network former on the properties of magnesium spinels. *Journal of Thermal Analysis and Calorimetry*, **2007**, 87, 753-757 4.1 10
- 477 Influence of the precursor salts in the synthesis of CaSnO<sub>3</sub> by the polymeric precursor method. *Journal of Thermal Analysis and Calorimetry*, **2007**, 87, 763-766 4.1 25
- 476 Oriented growth of Bi<sub>3.25</sub>La<sub>0.75</sub>Ti<sub>3</sub>O<sub>12</sub> thin films on RuO<sub>2</sub>/SiO<sub>2</sub>/Si substrates by using the polymeric precursor method: Structural, microstructural and electrical properties. *Journal of Electroceramics*, **2007**, 18, 39-43 1.5
- 475 Nanocoating of Al<sub>2</sub>O<sub>3</sub> additive on ZrO<sub>2</sub> powder and its effect on the sintering behaviour in ZrO<sub>2</sub> ceramic. *Journal of Materials Science*, **2007**, 42, 2222-2225 4.3 9
- 474 Surface equilibrium angle for anisotropic grain growth in SnO<sub>2</sub> systems. *Journal of Materials Science*, **2007**, 42, 8088-8092 4.3 6
- 473 Demulsification of water/sunflower oil emulsions by a tangential filtration process using chemically impregnated ceramic tubes. *Journal of Membrane Science*, **2007**, 289, 58-66 9.6 25
- 472 Nature of defects for bismuth layered thin films grown on Pt electrodes. *Applied Physics Letters*, **2007**, 90, 082910 3.4 18
- 471 Ferroelectric fatigue endurance of Bi<sub>4-x</sub>La<sub>x</sub>Ti<sub>3</sub>O<sub>12</sub> thin films explained in terms of x-ray photoelectron spectroscopy. *Journal of Applied Physics*, **2007**, 101, 084112 2.5 24
- 470 Intense visible photoluminescence in Ba(Zr<sub>0.25</sub>Ti<sub>0.75</sub>)O<sub>3</sub> thin films. *Applied Physics Letters*, **2007**, 90, 011901 3.4 58
- 469 Separation of dielectric and space charge polarizations in CaCu<sub>3</sub>Ti<sub>4</sub>O<sub>12</sub>-CaTiO<sub>3</sub> composite polycrystalline systems. *Applied Physics Letters*, **2007**, 90, 142912 3.4 31
- 468 Contribution of structural order-disorder to the green photoluminescence of PbWO<sub>4</sub>. *Physical Review B*, **2007**, 75, 3.3 44
- 467 Soft chemical deposition of BiFeO<sub>3</sub> multiferroic thin films. *Applied Physics Letters*, **2007**, 90, 052906 3.4 55
- 466 Photoluminescent behavior of SrBi<sub>2</sub>Nb<sub>2</sub>O<sub>9</sub> powders explained by means of Bi<sub>2</sub>O<sub>3</sub> phase. *Applied Physics Letters*, **2007**, 90, 261913 3.4 30
- 465 Pb<sub>1-x</sub>CaxTiO<sub>3</sub> solid solution (x=0.0, 0.25, 0.50, and 0.75): A theoretical and experimental approach. *Physical Review B*, **2007**, 75, 3.3 12

464	Structural, microstructural, and transport properties of highly oriented LaNiO <sub>3</sub> thin films deposited on SrTiO <sub>3</sub> (100) single crystal. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 043708	2.5	33
463	Effect of annealing time on morphological characteristics of Ba(Zr,Ti)O <sub>3</sub> thin films. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 437, 269-273	5.7	19
462	Anisotropic Growth of Oxide Nanocrystals: Insights into the Rutile TiO <sub>2</sub> Phase. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 5871-5875	3.8	68
461	Tailoring of heterostructures in a SnO <sub>2</sub> /TiO <sub>2</sub> system by the oriented attachment mechanism. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 103105	3.4	35
460	Ferroelectric characteristics of BiFeO <sub>3</sub> thin films prepared via a simple chemical solution deposition. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 074108	2.5	53
459	Relation between photoluminescence emission and local order-disorder in the CaTiO <sub>3</sub> lattice modifier. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 111904	3.4	70
458	Electrical characterization of SnO <sub>2</sub> :Sb ultrathin films obtained by controlled thickness deposition. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 034312	2.5	11
457	A $\beta$ inox bactericida. <i>Revista Escola De Minas</i> , <b>2007</b> , 60, 101-108		
456	Ni:CeO <sub>2</sub> nanocomposite catalysts prepared by polymeric precursor method. <i>Applied Catalysis A: General</i> , <b>2006</b> , 310, 174-182	5.1	32
455	Growth kinetics of tin oxide nanocrystals in colloidal suspensions under hydrothermal conditions. <i>Chemical Physics</i> , <b>2006</b> , 328, 229-235	2.3	47
454	Photoluminescence in disordered Zn <sub>2</sub> TiO <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 985-992	3.3	58
453	Structural and spectroscopic analysis of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> to $\gamma$ -Al <sub>2</sub> O <sub>3</sub> -CoAl <sub>2</sub> O <sub>4</sub> phase transition. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 97, 102-108	4.4	78
452	Synthesis and electrical characterization of CaBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> thin films deposited on Pt/Ti/SiO <sub>2</sub> /Si substrates by polymeric precursor method. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 98, 203-206	4.4	16
451	Preparation of lanthanum doped Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> ceramics by the polymeric precursor method. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 98, 481-485	4.4	45
450	MgFe <sub>2</sub> O <sub>4</sub> pigment obtained at low temperature. <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 183-190	5.1	60
449	Microwave synthesis of calcium bismuth niobate thin films obtained by the polymeric precursor method. <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 1461-1467	5.1	6
448	Synthesis and photoluminescence study of La <sub>1.8</sub> Eu <sub>0.2</sub> O <sub>3</sub> coating on nanometric $\gamma$ -Al <sub>2</sub> O <sub>3</sub> . <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 1791-1797	5.1	22
447	Ferroelectric characteristics of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films grown on Pt/Ti/SiO <sub>2</sub> /Si substrates by the soft chemical method. <i>Materials Letters</i> , <b>2006</b> , 60, 2020-2023	3.3	19

- 446 Oriented attachment mechanism in anisotropic nanocrystals: a "polymerization" approach. *ChemPhysChem*, **2006**, 7, 664-70 3.2 81
- 445 Deposition of controlled thickness ultrathin SnO<sub>2</sub>:Sb films by spin-coating. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 3849-53 1.3 8
- 444 a-b axis-oriented lanthanum doped Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub> thin films grown on a TiO<sub>2</sub> buffer layer. *Journal of Applied Physics*, **2006**, 100, 084106 2.5 9
- 443 Ferroelectric and Dielectric Characteristics of Bi<sub>3.25</sub>La<sub>0.75</sub>Ti<sub>3</sub>O<sub>12</sub> Thin Films Prepared by the Polymeric Precursor Method. *Materials Science Forum*, **2006**, 514-516, 212-215 0.4 3
- 442 Textured PbZr<sub>0.3</sub>Ti<sub>0.7</sub>O<sub>3</sub> Thin Films Produced by Polymeric Precursor Method Using Microwave Oven. *Ferroelectrics*, **2006**, 335, 211-218 0.6 3
- 441 Electromechanical properties of calcium bismuth titanate films: A potential candidate for lead-free thin-film piezoelectrics. *Applied Physics Letters*, **2006**, 88, 072916 3.4 36
- 440 Electronic structure of Pb<sub>1-x</sub>LaxTiO<sub>3</sub> ferroelectric materials from Ti 2p and O 1s soft x-ray absorption spectroscopy. *Journal of Applied Physics*, **2006**, 99, 044104 2.5 22
- 439 Non-Ohmic and dielectric properties of a Ca<sub>2</sub>Cu<sub>2</sub>Ti<sub>4</sub>O<sub>12</sub> polycrystalline system. *Applied Physics Letters*, **2006**, 89, 212102 3.4 87
- 438 Dielectric spectroscopy analysis of CaCu<sub>3</sub>Ti<sub>4</sub>O<sub>12</sub> polycrystalline systems. *Applied Physics Letters*, **2006**, 89, 191117 3.4 56
- 437 Electrostatic force microscopy as a tool to estimate the number of active potential barriers in dense non-Ohmic polycrystalline SnO<sub>2</sub> devices. *Applied Physics Letters*, **2006**, 89, 152102 3.4 29
- 436 Room-temperature photoluminescence in structurally disordered SrWO<sub>4</sub>. *Applied Physics Letters*, **2006**, 88, 211913 3.4 44
- 435 Photoluminescence at room temperature in disordered Ba<sub>0.50</sub>Sr<sub>0.50</sub>(Ti<sub>0.80</sub>Sn<sub>0.20</sub>)O<sub>3</sub> thin films. *Applied Physics Letters*, **2006**, 88, 211911 3.4 8
- 434 Photoluminescence in disordered Sm-doped PbTiO<sub>3</sub>: Experimental and theoretical approach. *Journal of Applied Physics*, **2006**, 100, 034917 2.5 24
- 433 Color and structural analysis of CoxZn<sub>7-x</sub>Sb<sub>2</sub>O<sub>12</sub> pigments. *Materials Research Bulletin*, **2006**, 41, 2049-2056 3.5 17
- 432 Growth of SnO nanobelts and dendrites by a self-catalytic VLS process. *Journal of Physical Chemistry B*, **2006**, 110, 6621-5 3.4 69
- 431 Correlation among Order/Disorder, Electronic Levels, and Photoluminescence in Amorphous CT:Sm. *Chemistry of Materials*, **2006**, 18, 2904-2911 9.6 43
- 430 Synthesis of niobia nanocrystals with controlled morphology. *Journal of Physical Chemistry B*, **2006**, 110, 18088-90 3.4 40
- 429 In Situ Observation of Glass Particle Sintering. *Journal of Chemical Education*, **2006**, 83, 410 2.4 2



428	S�ntese de pigmentos pretos � base de Fe, Co e Cr pela rota dos precursores polim�ficos. <i>Ceramica</i> , <b>2006</b> , 52, 293-297	1	3
427	High Curie point CaBi2Nb2O9 thin films: A potential candidate for lead-free thin-film piezoelectrics. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 074110	2.5	20
426	Controlled Thickness Deposition of Ultrathin Ceramic Films by Spin Coating. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 2016-2020	3.8	8
425	Microfiltration with chemistry treating of commercial membranes and microporous tubes for retention of bacteria E. coli on processing of wastewater of dairy products. <i>Desalination</i> , <b>2006</b> , 200, 313-315	10.3	2
424	The effect of microwave annealing on the electrical characteristics of lanthanum doped bismuth titanate films obtained by the polymeric precursor method. <i>Applied Surface Science</i> , <b>2006</b> , 252, 8471-8475	6.7	5
423	Nonlinear electrical behaviour of the Cr2O3, ZnO, CoO and Ta2O5-doped SnO2 varistors. <i>Ceramics International</i> , <b>2006</b> , 32, 283-289	5.1	22
422	Theoretical and experimental study of disordered Ba0.45Sr0.55 TiO3 photoluminescence at room temperature. <i>Chemical Physics</i> , <b>2006</b> , 322, 343-348	2.3	31
421	Effect of processing route on the phase formation and properties of Bi4Ti3O12 ceramics. <i>Ceramics International</i> , <b>2006</b> , 32, 707-712	5.1	30
420	Luminescence in semi-crystalline zirconium titanate doped with lanthanum. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2006</b> , 434, 19-22	5.3	12
419	Preparation and characterization of LiNi0.8Co0.2O2/PANI microcomposite electrode materials under assisted ultrasonic irradiation. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 308-314	3.3	29
418	Photoluminescent BaMoO4 nanopowders prepared by complex polymerization method (CPM). <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 671-678	3.3	100
417	Control of retention and fatigue-free characteristics in CaBi4Ti4O15 thin films prepared by chemical method. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 2206-2211	3.3	20
416	Ferroelectric and dielectric properties of thin films grown by the soft chemical method. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 2972-2976	3.3	21
415	Dielectric properties of Ca(Zr0.05Ti0.95)O3 thin films prepared by chemical solution deposition. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 3739-3743	3.3	13
414	Photoluminescence: A probe for short, medium and long-range self-organization order in ZrTiO4 oxide. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 3997-4002	3.3	22
413	How Cr2O3 influences the microstructure and nonohmic features of the SnO2(Cox, Mn1��)O-based varistor system. <i>Journal of the European Ceramic Society</i> , <b>2006</b> , 26, 1221-1229	6	18
412	Nature of potential barrier in (Ca1/4,Cu3/4)TiO3 polycrystalline perovskite. <i>Solid State Communications</i> , <b>2006</b> , 138, 1-4	1.6	39
411	Transport and sensors properties of nanostructured antimony-doped tin oxide films. <i>Thin Solid Films</i> , <b>2006</b> , 515, 2678-2685	2.2	48

410	Visible PL Phenomenon at Room Temperature in Disordered Structure of SrWO <sub>4</sub> Powder. <i>Journal of Computer-Aided Materials Design</i> , <b>2006</b> , 12, 111-119		7
409	(Ta, Cr)-doped {T}{i}O <sub>2</sub> electroceramic systems. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2006</b> , 17, 79-84	2.1	5
408	Structural Analysis of Ti And Pb Citrate Using NMR and FT-Raman Signals and Quantum Mechanics Simulations. <i>Journal of Sol-Gel Science and Technology</i> , <b>2006</b> , 37, 9-17	2.3	14
407	Síntese e processamento de cerâmicas em forno de microondas doméstico. <i>Ceramica</i> , <b>2006</b> , 52, 50-56	1	7
406	Influência de dopantes doadores na degradação do varistor à base de SnO <sub>2</sub> e o efeito do oxigênio pós-degradação. <i>Ceramica</i> , <b>2006</b> , 52, 88-91	1	3
405	Processamento de cerâmicas reticuladas a partir de matérias-primas naturais. <i>Ceramica</i> , <b>2006</b> , 52, 185-192	1	2
404	Desenvolvimento de varistores à base de SnO <sub>2</sub> para aplicação em redes de alta tensão. <i>Ceramica</i> , <b>2006</b> , 52, 149-154	1	2
403	Evaluation of rare earth oxides doping SnO <sub>2</sub> -(Co <sup>1/4</sup> /Mn <sup>3/4</sup> )O-based varistor system. <i>Materials Research</i> , <b>2006</b> , 9, 339-343	1.5	5
402	In situ oriented crystal growth in a ceramic nanostructured system. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 024313	2.5	27
401	Retention characteristics in Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> thin films prepared by the polymeric precursor method. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 112909	3.4	17
400	Room-temperature photoluminescence of BaTiO <sub>3</sub> : Joint experimental and theoretical study. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	93
399	Hybrid Organic-Inorganic Polymer: A New Approach for the Development of Decoupled Polymer Electrolytes. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4561-4563	9.6	26
398	Synthesis by the polymeric precursor method and characterization of undoped and Sn, Cr and V-doped ZrTiO. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 397, 255-259	5.7	19
397	Influence of the solution pH on the morphological, structural and electrical properties of Bi <sub>3.50</sub> La <sub>0.50</sub> Ti <sub>3</sub> O <sub>12</sub> thin films obtained by the polymeric precursor method. <i>Materials Letters</i> , <b>2005</b> , 59, 2759-2764	3.3	5
396	Oriented attachment: an effective mechanism in the formation of anisotropic nanocrystals. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 20842-6	3.4	188
395	Photoluminescence properties of BaMoO <sub>4</sub> amorphous thin films. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 2346-2353	3.3	55
394	Luminescence effect in amorphous PLT. <i>Journal of the European Ceramic Society</i> , <b>2005</b> , 25, 1175-1181	6	2
393	The nature of the photoluminescence in amorphized PZT. <i>Journal of Luminescence</i> , <b>2005</b> , 111, 205-213	3.8	39

392	Foundry sand recycling in the troughs of blast furnaces: a technical note. <i>Journal of Materials Processing Technology</i> , <b>2005</b> , 159, 125-134	5.3	16
391	Barium strontium titanate powders prepared by spray pyrolysis. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2005</b> , 122, 140-144	3.1	27
390	Semi-empirical studies of alkaline metalsâ€•Fullerene MxC60, M@C60 interactions. <i>Computational and Theoretical Chemistry</i> , <b>2005</b> , 713, 161-169		4
389	Preparation of KNbO3 thin films onto alumina substrates by polymeric precursor method. <i>Thin Solid Films</i> , <b>2005</b> , 493, 139-145	2.2	13
388	Investigation of electrical properties of tantalum doped SnO2 varistor system. <i>Ceramics International</i> , <b>2005</b> , 31, 399-404	5.1	23
387	Post mortem study of Al2O3/SiC/C/MgAl2O4 ceramic lining used in torpedo cars. <i>Ceramics International</i> , <b>2005</b> , 31, 897-904	5.1	7
386	Conditions giving rise to intense visible room temperature photoluminescence in SrWO4 thin films: the role of disorder. <i>Chemical Physics</i> , <b>2005</b> , 312, 1-9	2.3	53
385	The role of structural orderâ€•disorder for visible intense photoluminescence in the BaZr0.5Ti0.5O3 thin films. <i>Chemical Physics</i> , <b>2005</b> , 316, 260-266	2.3	34
384	Theoretical analysis of the structural deformation in Mn-doped BaTiO3. <i>Chemical Physics Letters</i> , <b>2005</b> , 402, 491-496	2.5	45
383	Effect of Cobalt(II) Oxide and Manganese(IV) Oxide on Sintering of Tin(IV) Oxide. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 79, 799-804	3.8	144
382	Particle Growth during Calcination of Polycation Oxides Synthesized by the Polymeric Precursors Method. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 80, 2649-2657	3.8	28
381	Characteristics of PbOâ€•BiO1.5â€•TaO1.5 Glasses Melted in SnO2 Crucibles. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 705-708	3.8	11
380	A Comparative Study of Thermal Conductivity in ZnO- and SnO2-Based Varistor Systems. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 2629-2631	3.8	30
379	Effect of La2O3 addition and O2 atmosphere on the electric properties of SnO2TiO2. <i>Materials Chemistry and Physics</i> , <b>2005</b> , 90, 234-238	4.4	2
378	Recent research developments in SnO2-based varistors. <i>Materials Chemistry and Physics</i> , <b>2005</b> , 90, 1-9	4.4	71
377	Influence of temperature on the dielectric and ferroelectric properties of bismuth titanate thin films obtained by the polymeric precursor method. <i>Materials Chemistry and Physics</i> , <b>2005</b> , 92, 373-378	4.4	17
376	Synthesis and characterization of Sr1â€•MgxTiO3 obtained by the polymeric precursor method. <i>Materials Letters</i> , <b>2005</b> , 59, 549-553	3.3	9
375	Effect of the excess of bismuth on the morphology and properties of the BaBi2Ta2O9 ceramics. <i>Materials Letters</i> , <b>2005</b> , 59, 656-661	3.3	9

374	Tubular microporous alumina structure for demulsifying vegetable oil/water emulsions and concentrating macromolecular suspensions. <i>Separation and Purification Technology</i> , <b>2005</b> , 44, 235-241	8.3	8
373	Why Do Peroxomolybdenum Complexes Chemoselectively Oxidize the Sulfur Centers of Unsaturated Sulfides and Sulfoxides? A DFT Analysis. <i>European Journal of Organic Chemistry</i> , <b>2005</b> , 2005, 2406-2415	3.2	19
372	A kinetic model to describe nanocrystal growth by the oriented attachment mechanism. <i>ChemPhysChem</i> , <b>2005</b> , 6, 690-6	3.2	138
371	Experimental and theoretical investigation of the room-temperature photoluminescence of amorphized Pb(Zr,Ti)O <sub>3</sub> . <i>ChemPhysChem</i> , <b>2005</b> , 6, 1530-6	3.2	23
370	Hot metal corrosion behavior for graphite refractory impregnated with TiO <sub>2</sub> , ZrO <sub>2</sub> carrying solutions. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , <b>2005</b> , 56, 475-480	1.6	14
369	Structural and ferroelectric properties of Pb <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2005</b> , 80, 875-880	2.6	29
368	Absence of relaxor-like ferroelectric phase transition in (Pb,Sr)TiO <sub>3</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2005</b> , 80, 813-817	2.6	15
367	Tin-doped indium oxide nanobelts grown by carbothermal reduction method. <i>Applied Physics A: Materials Science and Processing</i> , <b>2005</b> , 80, 23-25	2.6	24
366	Theoretical and experimental study of the relation between photoluminescence and structural disorder in barium and strontium titanate thin films. <i>Journal of the European Ceramic Society</i> , <b>2005</b> , 25, 2337-2340	6	17
365	Improvement of the ferroelectric properties of ABO <sub>3</sub> (A = Pb, Ca, Ba; B = Ti, Zr) films. <i>Journal of the European Ceramic Society</i> , <b>2005</b> , 25, 2341-2345	6	4
364	Towards an insight on the photoluminescence of disordered CaWO <sub>4</sub> from a joint experimental and theoretical analysis. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 1284-1291	3.3	46
363	Thermal analysis of caucasian human hair. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2005</b> , 79, 289-293	4.1	32
362	Thermochemical parameters and calculations ab-initio of the bisdimethyldithiocarbamate zinc(II) complex. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2005</b> , 79, 309-312	4.1	12
361	Synthesis of Ca <sub>x</sub> Sr <sub>1-x</sub> WO <sub>4</sub> by the polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2005</b> , 79, 401-406	4.1	3
360	Thermal and structural characterization OF Sr <sub>1-x</sub> CoxTiO <sub>3</sub> obtained by polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2005</b> , 79, 407-410	4.1	9
359	Synthesis and characterization of SrCoxTi <sub>1-x</sub> O <sub>3</sub> . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2005</b> , 79, 411-414	4.1	5
358	Thermal and structural investigation of (Sn <sub>1-x</sub> Tix)O <sub>2</sub> obtained by the polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2005</b> , 79, 415-420	4.1	10
357	Stability studies on undoped and doped Mg <sub>2</sub> TiO <sub>4</sub> , obtained by the polymeric precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2005</b> , 79, 421-424	4.1	16

356	Influence of pH on iron doped Zn <sub>2</sub> TiO <sub>4</sub> pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2005</b> , 79, 451-454	4.1	22
355	The effects of Co, Ni and Mn on the thermal processing of Zn <sub>2</sub> TiO <sub>4</sub> pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2005</b> , 79, 455-459	4.1	24
354	A theoretical investigation of the interaction between H, Li, Na, K, and fullerenes. <i>International Journal of Quantum Chemistry</i> , <b>2005</b> , 102, 302-312	2.1	2
353	Room temperature photoluminescence of the Li <sub>2</sub> ZnTi <sub>3</sub> O <sub>8</sub> spinel: Experimental and theoretical study. <i>International Journal of Quantum Chemistry</i> , <b>2005</b> , 103, 580-587	2.1	9
352	Síntese e caracterização de nanocompósitos Ni: SiO <sub>2</sub> processados na forma de filmes finos. <i>Química Nova</i> , <b>2005</b> , 28, 842-846	1.6	2
351	The characterization of Co xZn <sub>7-x</sub> Sb <sub>2</sub> O <sub>12</sub> spinel obtained by the pechini method. <i>Materials Research</i> , <b>2005</b> , 8, 213-219	1.5	6
350	Método sol-gel modificado para obtenção de alumina nanoencapsulada com terras raras. <i>Cerâmica</i> , <b>2005</b> , 51, 52-57	1	9
349	Influência do vanádio nas propriedades morfológicas estruturais e fotoluminescentes do titanato de zinco (Zn <sub>2</sub> TiO <sub>4</sub> ). <i>Cerâmica</i> , <b>2005</b> , 51, 296-301	1	1
348	Gas-phase selective conjugate addition of methanol to acetone for methyl vinyl ketone over SnO <sub>2</sub> nanoparticle catalysts. <i>Journal of the Brazilian Chemical Society</i> , <b>2005</b> , 16, 607-613	1.5	4
347	Influência do método de síntese na obtenção de pó de Na <sub>2</sub> TiSiO <sub>5</sub> . <i>Cerâmica</i> , <b>2005</b> , 51, 289-295	1	
346	Propriedades eletrônicas e estruturais do PbTiO <sub>3</sub> : teoria do funcional de densidade aplicada a modelos periódicos. <i>Química Nova</i> , <b>2005</b> , 28, 10-18	1.6	4
345	Wear mechanism for blast furnace hearth refractory lining. <i>Ironmaking and Steelmaking</i> , <b>2005</b> , 32, 459-467	3	35
344	Ferroelectric properties and leakage current characteristics of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> thin films prepared by the polymeric precursor method. <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 114103	2.5	18
343	Efeito da adição de rejeito na redução de coração negro em cerâmicas vermelhas. <i>Cerâmica</i> , <b>2005</b> , 51, 144-150	1	4
342	Síntese e caracterização do sistema ZrO <sub>2</sub> -SiO <sub>2</sub> com adição de cobalto para uso como pigmentos cerâmicos. <i>Cerâmica</i> , <b>2005</b> , 51, 302-307	1	2
341	Corrosion Behavior in Graphite Refractories Impregnated with ZrO <sub>2</sub> and CeO <sub>2</sub> Carrying Solutions. <i>ISIJ International</i> , <b>2005</b> , 45, 1871-1877	1.7	4
340	Propiedades ópticas del pigmento $\beta$ -Fe <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> . <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , <b>2005</b> , 44, 223-227	1.9	3
339	Comportamento térmico do PbTiO <sub>3</sub> modificado por terras raras. <i>Cerâmica</i> , <b>2005</b> , 51, 252-258	1	

338	Análise teórica da interação de CO, CO <sub>2</sub> e NH <sub>3</sub> com ZnO. <i>Química Nova</i> , <b>2004</b> , 27, 10-16	1.6	6
337	O papel dos modificadores de rede na produção da fotoluminescência no CaWO <sub>4</sub> . <i>Cerâmica</i> , <b>2004</b> , 50, 43-49	1	5
336	Desenvolvimento do pigmento condutor SnO <sub>2</sub> -Sb <sub>2</sub> O <sub>3</sub> e sua aplicação em vidrados semicondutores. <i>Cerâmica</i> , <b>2004</b> , 50, 134-137	1	4
335	Fotoluminescência e adsorção de CO <sub>2</sub> em nanopartículas de CaTiO <sub>3</sub> dopadas com lantânio. <i>Química Nova</i> , <b>2004</b> , 27, 862-865	1.6	7
334	Fotoluminescência em materiais com desordem estrutural. <i>Cerâmica</i> , <b>2004</b> , 50, 138-144	1	12
333	Sinterização de filmes finos de LiNbO <sub>3</sub> em forno microondas: estudo da influência da direção do fluxo de calor. <i>Cerâmica</i> , <b>2004</b> , 50, 128-133	1	4
332	A simple and novel method to synthesize doped and undoped SnO <sub>2</sub> nanocrystals at room temperature. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2004</b> , 4, 774-8	1.3	10
331	High oxygen-pressure annealing effects on the ferroelectric and structural properties of PbZr <sub>0.3</sub> Ti <sub>0.7</sub> O <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 2186-2191	2.5	18
330	Nonohmic behavior of SnO <sub>2</sub> -MnO polycrystalline ceramics. II. Analysis of admittance and dielectric spectroscopy. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 3811-3817	2.5	25
329	Investigation of phase transition in ferroelectric Pb <sub>0.70</sub> Sr <sub>0.30</sub> TiO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 1192-1196	2.5	33
328	Very large dielectric constant of highly oriented Pb <sub>1-x</sub> BaxTiO <sub>3</sub> thin films prepared by chemical deposition. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 248-250	3.4	16
327	Fatigue-free behavior of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> thin films grown on several bottom electrodes by the polymeric precursor method. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 5962-5964	3.4	35
326	Nonohmic behavior of SnO <sub>2</sub> -MnO polycrystalline ceramics. I. Correlations between microstructural morphology and nonohmic features. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 2693-2700	2.5	21
325	Improvement of the dielectric and ferroelectric properties in superlattice structure of Pb(Zr,Ti)O <sub>3</sub> thin films grown by a chemical solution route. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 5470-5472	3.4	31
324	Characterization of BaTi <sub>1-x</sub> ZrxO <sub>3</sub> thin films obtained by a soft chemical spin-coating technique. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 4386-4391	2.5	59
323	Sol-Gel Non-hydrolytic Synthesis of a Nanocomposite Electrolyte for Application in Lithium-ion Devices. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 822, S3.1.1		
322	Low-Voltage Varistor Based on (Sn,Ti)O <sub>2</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 282-284	3.8	36
321	Quantitative analysis and classification of AFM images of human hair. <i>Journal of Microscopy</i> , <b>2004</b> , 215, 13-23	1.9	40



320	Nonlinear behavior of $\text{TiO}_2\text{-Ta}_2\text{O}_5\text{-MnO}_2$ material doped with BaO and $\text{Bi}_2\text{O}_3$ . <i>Materials Chemistry and Physics</i> , <b>2004</b> , 85, 96-103	4.4	14
319	Composition and electronic structure of $\text{Zn}_{7-x}\text{M}_x\text{Sb}_2\text{O}_{12}$ (M=Ni and Co) spinel compounds. <i>Materials Chemistry and Physics</i> , <b>2004</b> , 85, 377-382	4.4	15
318	Ferroelectric phase transition in $\text{Pb}_{0.60}\text{Sr}_{0.40}\text{TiO}_3$ thin films. <i>Materials Chemistry and Physics</i> , <b>2004</b> , 87, 353-356	4.4	4
317	The effect of Nb doping on ferroelectric properties of PZT thin films prepared from polymeric precursors. <i>Materials Chemistry and Physics</i> , <b>2004</b> , 88, 155-159	4.4	27
316	Low-temperature synthesis of single-phase $\text{Co}_7\text{Sb}_2\text{O}_{12}$ . <i>Materials Chemistry and Physics</i> , <b>2004</b> , 88, 404-409	4.4	7
315	On the stabilizing behavior of zirconia: A Combined experimental and theoretical study. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 1935-1941	4.3	8
314	Effect of atmosphere on the electrical properties of $\text{TiO}_2\text{-SnO}_2$ varistor systems. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2004</b> , 15, 665-669	2.1	12
313	Thermal study of $\text{Co}_x\text{Zn}_{7-x}\text{Sb}_2\text{O}_{12}$ spinel obtained by pechini method using different alcohols. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2004</b> , 75, 453-460	4.1	19
312	Synthesis of $\text{ZrO}_2$ -based ceramic pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2004</b> , 75, 461-466	4.1	2
311	Synthesis and thermal characterization of zirconium titanate pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2004</b> , 75, 467-473	4.1	7
310	Synthesis and characterization of $\text{Al}_2\text{O}_3/\text{Cr}_2\text{O}_3$ -based ceramic pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2004</b> , 75, 475-480	4.1	10
309	Development of $\text{SnO}_2/\text{Sb}$ -based ceramic pigments. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2004</b> , 75, 481-486	4.1	2
308	Thermal transformations of tile clay before and after kaolin addition. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2004</b> , 75, 677-685	4.1	5
307	Processing effects of nanometric rare earth-doped tin oxides on the synthesis of methyl vinyl ketone. <i>Reaction Kinetics and Catalysis Letters</i> , <b>2004</b> , 81, 211-217		3
306	Structural and electronic properties of $\text{PbTiO}_3$ slabs: a DFT periodic study. <i>Surface Science</i> , <b>2004</b> , 552, 149-159	1.8	52
305	Phase evolution of lead titanate from its amorphous precursor synthesized by the OPM wet-chemical route. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 1994-2001	3.3	32
304	Ferroelectric and Dielectric Properties of Lanthanum-Modified Bismuth Titanate Thin Films Obtained by the Polymeric Precursor Method. <i>Journal of Electroceramics</i> , <b>2004</b> , 13, 65-70	1.5	16
303	Effect of Thickness on the Electrical and Optical Properties of Sb Doped $\text{SnO}_2$ (ATO) Thin Films. <i>Journal of Electroceramics</i> , <b>2004</b> , 13, 159-165	1.5	44

302	Effect of Thermal Treatment Temperature on the Crystallinity and Morphology of LiTaO <sub>3</sub> Thin Films Prepared from Polymeric Precursor Method. <i>Journal of Electroceramics</i> , <b>2004</b> , 13, 353-359	1.5	9
301	A Raman and dielectric study of a diffuse phase transition in (Pb <sub>1-x</sub> Cax)TiO <sub>3</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2004</b> , 78, 349-354	2.6	12
300	Photoluminescence in amorphous zirconium titanate. <i>Applied Physics A: Materials Science and Processing</i> , <b>2004</b> , 78, 355-358	2.6	17
299	Influence of strontium concentration on the structural, morphological, and electrical properties of lead zirconate titanate thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2004</b> , 79, 593-597	2.6	8
298	Influence of noble metals on the structural and catalytic properties of Ce-doped SnO <sub>2</sub> systems. <i>Sensors and Actuators B: Chemical</i> , <b>2004</b> , 97, 31-38	8.5	51
297	Preparation of Pb(Zr,Ti)O <sub>3</sub> thin films by soft chemical route. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 2969-2976	6	34
296	SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> Thin films crystallized using a low power microwave oven. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 1597-1602	6	10
295	Strontium titanate films prepared by spray pyrolysis. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 989-991	6	11
294	SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> ferroelectric thick films prepared by electrophoretic deposition using aqueous suspension. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 2445-2451	6	5
293	Selective synthesis of vinyl ketone over SnO <sub>2</sub> nanoparticle catalysts doped with rare earths. <i>Journal of Molecular Catalysis A</i> , <b>2004</b> , 207, 91-96		46
292	Characterization of a crystal grown from Ocimum Basilicum leaves and branches. <i>Crystal Research and Technology</i> , <b>2004</b> , 39, 864-867	1.3	1
291	Synthesis of Ni nanoparticles in microporous and mesoporous Al and Mg oxides. <i>Microporous and Mesoporous Materials</i> , <b>2004</b> , 68, 151-157	5.3	26
290	The influence of crystallization route on the properties of lanthanum-doped Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films prepared from polymeric precursors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2004</b> , 113, 207-214	3.1	7
289	Qualitative measurement of residual carbon in wet-chemically synthesized powders. <i>Ceramics International</i> , <b>2004</b> , 30, 2235-2239	5.1	14
288	An investigation of metal oxides which are photoluminescent at room temperature. <i>Computational and Theoretical Chemistry</i> , <b>2004</b> , 668, 87-91		6
287	Enhanced electrical property of nanostructured Sb-doped SnO <sub>2</sub> thin film processed by soft chemical method. <i>Thin Solid Films</i> , <b>2004</b> , 449, 67-72	2.2	48
286	Low temperature crystallization of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin films using microwave oven. <i>Thin Solid Films</i> , <b>2004</b> , 466, 62-68	2.2	17
285	Sol-gel nonhydrolytic synthesis of a hybrid organic-inorganic electrolyte for application in lithium-ion devices. <i>Solid State Ionics</i> , <b>2004</b> , 166, 83-88	3.3	34

284	Thermal conductivity features of ZnO-based varistors using the laser-pulse method. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 371, 377-381	5.3	24
283	Room temperature photoluminescence of amorphous Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> doped with chromium. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 670-674	3.3	16
282	Synthesis of nanocrystalline ytterbium modified PbTiO <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 1543-1548	3.3	16
281	Origin of photoluminescence in SrTiO <sub>3</sub> : a combined experimental and theoretical study. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 3879-3885	3.3	57
280	Sintering mechanisms of ZrO <sub>2</sub> -MgO with addition of TiO <sub>2</sub> and CuO. <i>Ceramics International</i> , <b>2004</b> , 30, 571-577	5.1	13
279	Influence of Ta <sub>2</sub> O <sub>5</sub> on the electrical properties of ZnO- and CoO-doped SnO <sub>2</sub> varistors. <i>Ceramics International</i> , <b>2004</b> , 30, 2277-2281	5.1	9
278	Effect of the heat flux direction on electrical properties of SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> thin films crystallized using a microwave oven. <i>Applied Surface Science</i> , <b>2004</b> , 225, 156-161	6.7	10
277	A DFT rationalization of the room temperature photoluminescence of Li <sub>2</sub> TiSiO <sub>5</sub> . <i>Chemical Physics Letters</i> , <b>2004</b> , 398, 330-335	2.5	16
276	The interaction of H <sub>2</sub> , CO, CO <sub>2</sub> , H <sub>2</sub> O and NH <sub>3</sub> on ZnO surfaces: an Oniom Study. <i>Chemical Physics Letters</i> , <b>2004</b> , 400, 481-486	2.5	64
275	Electrical Characterization of Lanthanum-Modified Bismuth Titanate Thin Films Obtained by the Polymeric Precursor Method. <i>Integrated Ferroelectrics</i> , <b>2004</b> , 60, 21-31	0.8	7
274	Study of Synthesis Variables in the Nanocrystal Growth Behavior of Tin Oxide Processed by Controlled Hydrolysis. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 15612-15617	3.4	80
273	Combined Experimental and Theoretical Study to Understand the Photoluminescence of Sr <sub>1-x</sub> TiO <sub>3-x</sub> . <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 9221-9227	3.4	36
272	Density functional theory calculation of the electronic structure of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> : Photoluminescent properties and structural disorder. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	94
271	Photoluminescence in quantum-confined SnO <sub>2</sub> nanocrystals: Evidence of free exciton decay. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 1745-1747	3.4	222
270	Combined wet-chemical process to synthesize 65PMN-35PT nanosized powders. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 372, 111-115	5.7	21
269	Microstructural and optical characterization of CaWO <sub>4</sub> and SrWO <sub>4</sub> thin films prepared by a chemical solution method. <i>Materials Letters</i> , <b>2004</b> , 58, 727-732	3.3	89
268	Effects of post-annealing on the dielectric properties of Au/BaTiO <sub>3</sub> /Pt thin film capacitors. <i>Materials Letters</i> , <b>2004</b> , 58, 1715-1721	3.3	14
267	Characterization of lanthanum-doped bismuth titanate thin films prepared by polymeric precursor method. <i>Materials Letters</i> , <b>2004</b> , 58, 2842-2847	3.3	10

266	Synthesis and characterization of spinel pigment $\text{CaFe}_2\text{O}_4$ obtained by the polymeric precursor method. <i>Materials Letters</i> , <b>2004</b> , 58, 569-572	3.3	108
265	The influence of crystallization route on the properties of lanthanum-doped $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ thin films prepared from polymeric precursors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2004</b> , 113, 207-214	3.1	3
264	Nanofitas de óxido de estanho: controle do estado de oxidação pela atmosfera de síntese. <i>Ceramica</i> , <b>2004</b> , 50, 58-61	1	
263	Synthesis of metal-oxide matrix with embedded nickel nanoparticles by a bottom-up chemical process. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2003</b> , 3, 516-20	1.3	2
262	Characterization of nickel doped $\text{Zn}_7\text{Sb}_2\text{O}_{12}$ spinel phase using Rietveld refinement. <i>Powder Diffraction</i> , <b>2003</b> , 18, 219-223	1.8	4
261	Estudo microestrutural do catalisador Ni/gama- $\text{Al}_2\text{O}_3$ : efeito da adição de $\text{CeO}_2$ na reforma do metano com dióxido de carbono. <i>Quimica Nova</i> , <b>2003</b> , 26, 648-654	1.6	6
260	Dióxido de estanho nanoestruturado: síntese e crescimento de nanocristais e nanofitas. <i>Quimica Nova</i> , <b>2003</b> , 26, 855-862	1.6	9
259	Estudo do comportamento físico-estrutural do $\text{LiNbO}_3$ . <i>Ceramica</i> , <b>2003</b> , 49, 36-39	1	2
258	Filmes finos de $\text{SrBi}_2\text{Ta}_2\text{O}_9$ processados em forno microondas. <i>Ceramica</i> , <b>2003</b> , 49, 61-65	1	5
257	Efeito do $\text{Pr}_2\text{O}_3$ nas propriedades elétricas de varistores à base de $\text{SnO}_2$ . <i>Ceramica</i> , <b>2003</b> , 49, 232-236	1	1
256	Sintering of undoped $\text{SnO}_2$ . <i>Ceramica</i> , <b>2003</b> , 49, 87-91	1	8
255	Morphological analysis of polymers on hair fibers by SEM and AFM. <i>Materials Research</i> , <b>2003</b> , 6, 501-506	1.5	6
254	Dióxido de estanho nanoestruturado como sensor de $\text{NO}_x$ . <i>Ceramica</i> , <b>2003</b> , 49, 163-167	1	1
253	Cinética de sinterização para sistemas à base de $\text{SnO}_2$ por taxa de aquecimento constante. <i>Ceramica</i> , <b>2003</b> , 49, 99-109	1	3
252	Synthesis, Ferroelectric and Optical Properties of $(\text{Pb,Ca})\text{TiO}_3$ Thin Films by Soft Solution Processing. <i>Journal of Sol-Gel Science and Technology</i> , <b>2003</b> , 27, 137-147	2.3	10
251	The Influence of Excess Precipitate on the Non-Ohmic Properties of $\text{SnO}_2$ -Based Varistors		22
250	The origin of photoluminescence in amorphous lead titanate. <i>Journal of Materials Science</i> , <b>2003</b> , 38, 1175-1178	4.3	27
249	The role of defect states in the creation of photoluminescence in $\text{SrTiO}_3$ . <i>Applied Physics A: Materials Science and Processing</i> , <b>2003</b> , 77, 81-85	2.6	30

248	Magnetic properties of Ni:SiO <sub>2</sub> nanocomposites synthesized by a modified sol-gel method. <i>Applied Physics A: Materials Science and Processing</i> , <b>2003</b> , 76, 621-623	2.6	21
247	Photoluminescence at room temperature in amorphous SrTiO <sub>3</sub> thin films obtained by chemical solution deposition. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 77, 598-602	4.4	89
246	Evidence of hetero-epitaxial growth of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> on the BaTiO <sub>3</sub> seed particles of a citrate solution. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 77, 918-923	4.4	7
245	The role of network modifiers in the creation of photoluminescence in CaTiO <sub>3</sub> . <i>Materials Chemistry and Physics</i> , <b>2003</b> , 78, 227-233	4.4	79
244	Effect of the addition of ZnO seeds on the electrical proprieties of ZnO-based varistors. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 80, 512-516	4.4	35
243	Synthesis and characterization of Li <sub>2</sub> ZnTi <sub>3</sub> O <sub>8</sub> spinel using the modified polymeric precursor method. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 82, 68-72	4.4	31
242	Theoretical analysis of water coverage on MgO(001) surfaces with defects and without F, V and P type vacancies. <i>Computational and Theoretical Chemistry</i> , <b>2003</b> , 664-665, 111-124		6
241	Microstructural and transport properties of LaNiO <sub>3</sub> films grown on Si (111) by chemical solution deposition. <i>Thin Solid Films</i> , <b>2003</b> , 445, 54-58	2.2	32
240	Epitaxial growth of LiNbO <sub>3</sub> thin films in a microwave oven. <i>Thin Solid Films</i> , <b>2003</b> , 436, 213-219	2.2	58
239	Photoluminescence in amorphous PLZ. <i>Ceramics International</i> , <b>2003</b> , 29, 793-799	5.1	5
238	Effect of charge on the interaction of two C <sub>60</sub> molecules from MNDO and ab initio UHF methods: stability and HOMO-LUMO gaps. <i>Computational and Theoretical Chemistry</i> , <b>2003</b> , 625, 189-197		4
237	A theoretical analysis on electronic structure of the (110) surface of TiO <sub>2</sub> -SnO <sub>2</sub> mixed oxide. <i>Computational and Theoretical Chemistry</i> , <b>2003</b> , 629, 307-314		16
236	Electronic and structural properties of Sn <sub>x</sub> Ti <sub>1-x</sub> O <sub>2</sub> solid solutions: a periodic DFT study. <i>Catalysis Today</i> , <b>2003</b> , 85, 145-152	5.3	66
235	Role of vanadium in Ni:Al <sub>2</sub> O <sub>3</sub> catalysts for carbon dioxide reforming of methane. <i>Applied Catalysis A: General</i> , <b>2003</b> , 255, 211-220	5.1	51
234	Microstructural and morphological analysis of pure and Ce-doped tin dioxide nanoparticles. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 707-713	6	76
233	Sintering and mass transport features of (Sn,Ti)O <sub>2</sub> polycrystalline ceramics. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 887-896	6	47
232	Grain-boundary segregation and precipitates in La <sub>2</sub> O <sub>3</sub> and Pr <sub>2</sub> O <sub>3</sub> doped SnO <sub>2</sub> -CoO-based varistors. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 1875-1880	6	31
231	Preparation, structural and optical characterization of BaWO <sub>4</sub> and PbWO <sub>4</sub> thin films prepared by a chemical route. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 3001-3007	6	89

230	Theoretical and experimental study on the photoluminescence in BaTiO <sub>3</sub> amorphous thin films prepared by the chemical route. <i>Journal of Luminescence</i> , <b>2003</b> , 104, 175-185	3.8	70
229	Nanostructured Li Ion Insertion Electrodes. 2. Tin Dioxide Nanocrystalline Layers and Discussion on "Nanoscale Effect" <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 8878-8883	3.4	18
228	Magnetic dynamics of single-domain Ni nanoparticles. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 6531-6533	2.5	46
227	Sulfide and sulfoxide oxidations by mono- and diperoxo complexes of molybdenum. A density functional study. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 5870-4	4.2	24
226	Ceramic crucibles: a new alternative for melting of PbO-BiO <sub>1.5</sub> -CaO <sub>1.5</sub> glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2003</b> , 319, 304-310	3.9	19
225	Ionic conductivity of Bi <sub>4</sub> Ti <sub>0.2</sub> V <sub>1.8</sub> O <sub>10.7</sub> polycrystalline ceramics obtained by the polymeric precursor route. <i>Materials Letters</i> , <b>2003</b> , 57, 2540-2544	3.3	40
224	Preparation and characterization of nanosized SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> powder by the combustion synthesis. <i>Materials Letters</i> , <b>2003</b> , 57, 2812-2816	3.3	39
223	Crystal growth in colloidal tin oxide nanocrystals induced by coalescence at room temperature. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 1566-1568	3.4	237
222	Spectroscopic Studies of SnO <sub>2</sub> doped with Cr, Co or Nb. <i>Materials Science Forum</i> , <b>2003</b> , 416-418, 651-657	0.4	3
221	Ferroelectric Materials with Photoluminescent Properties. <i>Ferroelectrics</i> , <b>2003</b> , 288, 315-326	0.6	3
220	Structural phase evolution of strontium-doped lead titanate thin films prepared by the soft chemical technique. <i>Journal of Materials Research</i> , <b>2003</b> , 18, 659-663	2.5	21
219	Electrical conduction mechanism and phase transition studies using dielectric properties and Raman spectroscopy in ferroelectric Pb <sub>0.76</sub> Ca <sub>0.24</sub> TiO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 7256-7260	2.5	17
218	Thermodynamic argument about SnO <sub>2</sub> nanoribbon growth. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 635-637	3.4	105
217	Síntese e caracterização da cerâmica PZT dopada com óxido de bismuto. <i>Cerâmica</i> , <b>2003</b> , 49, 110-115	1	5
216	Nonohmic behavior of SnO <sub>2</sub> .MnO <sub>2</sub> -based ceramics. <i>Materials Research</i> , <b>2003</b> , 6, 279-283	1.5	8
215	UV radiation: aggressive agent to the hair--AFM, a new methodology of evaluation. <i>Journal of Cosmetic Science</i> , <b>2003</b> , 54, 271-81	0.7	6
214	Influence of the growth parameters of TiO <sub>2</sub> thin films deposited by the MOCVD method. <i>Cerâmica</i> , <b>2002</b> , 48, 38-42	1	3
213	Seleção de matérias-primas no desenvolvimento de formulações de massas cerâmicas. <i>Cerâmica</i> , <b>2002</b> , 48, 108-113	1	6



212	Influência da composição das matérias-primas no processo de gresificação de revestimentos cerâmicos. <i>Ceramica</i> , <b>2002</b> , 48, 137-145	1	7
211	Influence of the growth parameters on TiO <sub>2</sub> thin films deposited using the MOCVD method. <i>Ceramica</i> , <b>2002</b> , 48, 192-198	1	7
210	Modelamento do processo de gresificação de massas cerâmicas de revestimento. <i>Ceramica</i> , <b>2002</b> , 48, 217-222	1	7
209	Síntese, caracterização e estudo das propriedades catalíticas e magnéticas de nanopartículas de Ni dispersas em matriz mesoporosa de SiO <sub>2</sub> . <i>Química Nova</i> , <b>2002</b> , 25, 935-942	1.6	10
208	Influence of La <sub>2</sub> O <sub>3</sub> , Pr <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> on the nonlinear properties of SnO <sub>2</sub> multicomponent varistors. <i>Materials Chemistry and Physics</i> , <b>2002</b> , 74, 150-153	4.4	22
207	Development of Metal Oxide Nanoparticles with High Stability Against Particle Growth Using a Metastable Solid Solution. <i>Advanced Materials</i> , <b>2002</b> , 14, 905	24	120
206	Amorphization and grain size effect on milled PbTiO <sub>3</sub> studied by Raman scattering and visible photoluminescence emission. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, 787-789	2.6	13
205	A novel approach for the development of photoluminescent material. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, 529-532	2.6	13
204	Room-temperature photoluminescence in amorphous SrTiO <sub>3</sub> —the influence of acceptor-type dopants. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 75, 629-632	2.6	27
203	Magnetic doping in Zn <sub>7-8</sub> MxSb <sub>2</sub> O <sub>12</sub> spinels (M=Ni and Co). <i>Physica B: Condensed Matter</i> , <b>2002</b> , 320, 249-252	2.8	13
202	The influence of cation segregation on the methanol decomposition on nanostructured SnO <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , <b>2002</b> , 86, 185-192	8.5	38
201	Experimental and theoretical study of the ferroelectric and piezoelectric behavior of strontium-doped PZT. <i>Journal of the European Ceramic Society</i> , <b>2002</b> , 22, 209-218	6	41
200	Rheological properties of tin oxide suspensions. <i>Journal of the European Ceramic Society</i> , <b>2002</b> , 22, 1297-1306	3	3
199	The effect of Ta <sub>2</sub> O <sub>5</sub> and Cr <sub>2</sub> O <sub>3</sub> on the electrical properties of TiO <sub>2</sub> varistors. <i>Journal of the European Ceramic Society</i> , <b>2002</b> , 22, 1277-1283	6	33
198	Comparison of blue pigments prepared by two different methods. <i>Journal of the European Ceramic Society</i> , <b>2002</b> , 22, 2911-2919	6	55
197	The use of the generator coordinate method for designing basis set. Application to oxo-diperoxo molybdenum complexes. <i>Computational and Theoretical Chemistry</i> , <b>2002</b> , 589-590, 251-264		9
196	Theoretical ab initio study of ranitidine. <i>International Journal of Quantum Chemistry</i> , <b>2002</b> , 90, 575-586	2.1	14
195	Photoluminescence in amorphous (PbLa)TiO <sub>3</sub> thin films deposited on different substrates. <i>Journal of Luminescence</i> , <b>2002</b> , 99, 85-90	3.8	2

194	Influence of the concentration of Sb <sub>2</sub> O <sub>3</sub> and the viscosity of the precursor solution on the electrical and optical properties of SnO <sub>2</sub> thin films produced by the Pechini method. <i>Thin Solid Films</i> , <b>2002</b> , 405, 228-233	2.2	57
193	Structural and magnetic properties of Zn <sub>4</sub> Ni <sub>3</sub> Sb <sub>2</sub> O <sub>12</sub> thin films deposited by spin coating. <i>Thin Solid Films</i> , <b>2002</b> , 414, 270-274	2.2	1
192	Periodic study on the structural and electronic properties of bulk, oxidized and reduced SnO <sub>2</sub> (1 1 0) surfaces and the interaction with O <sub>2</sub> . <i>Surface Science</i> , <b>2002</b> , 511, 408-420	1.8	92
191	Topotatic-Like Phase Transformation of Amorphous Lead Titanate to Cubic Lead Titanate. <i>Journal of the American Ceramic Society</i> , <b>2002</b> , 85, 2166-2170	3.8	11
190	Photoluminescence in amorphous (PbLa)TiO <sub>3</sub> thin films deposited on different substrates. <i>Journal of Luminescence</i> , <b>2002</b> , 99, 7-12	3.8	4
189	Thermal Study of the Ceramic Pigments Co <sub>x</sub> Zn <sub>(7-x)</sub> Sb <sub>2</sub> O <sub>12</sub> . <i>Magyar Árvad Kélemények</i> , <b>2002</b> , 67, 459-464	0	16
188	Magnetic Behavior at Low Temperatures of Ti Oxide Polycrystalline Samples. <i>Journal of Sol-Gel Science and Technology</i> , <b>2002</b> , 24, 241-245	2.3	6
187	Effect of Fe <sub>2</sub> O <sub>3</sub> doping on the electrical properties of a SnO <sub>2</sub> based varistor. <i>Journal of Materials Science</i> , <b>2002</b> , 37, 2407-2411	4.3	21
186	Influence of heat treatment on the optical properties of SnO <sub>2</sub> : Sb thin films deposited by dip coating using aqueous solution. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2002</b> , 13, 403-408	2.1	4
185	Influence of the oxygen adsorbed on tin varistors doped with Co, Mn and Cr oxides. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2002</b> , 13, 409-414	2.1	15
184	Influence of the rare-earths oxides doped on the SnO <sub>2</sub> CoOMnO <sub>2</sub> Ta <sub>2</sub> O <sub>5</sub> varistor system. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2002</b> , 13, 567-570	2.1	6
183	Analysis of the admittance-frequency and capacitance-voltage of dense SnO <sub>2</sub> /CoO-based varistor ceramics. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 6007-6014	2.5	52
182	Influence of Ca concentration on the electric, morphological, and structural properties of (Pb,Ca)TiO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 6650	2.5	53
181	Superparamagnetism and magnetic properties of Ni nanoparticles embedded in SiO <sub>2</sub> . <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	192
180	Visible photoluminescence in amorphous ABO <sub>3</sub> perovskites. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 253-255	3.4	43
179	Synthesis of mesoporous silica with embedded nickel nanoparticles for catalyst applications. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2002</b> , 2, 89-94	1.3	28
178	Application of Ni:SiO <sub>2</sub> Nanocomposite to Control the Carbon Deposition on the Carbon Dioxide Reforming of Methane. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2002</b> , 2, 491-494	1.3	7
177	Synthesis of SnO <sub>2</sub> nanoribbons by a carbothermal reduction process. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2002</b> , 2, 125-8	1.3	41

176	Nanopart�culas catalisadoras suportadas por materiais cer�micos. <i>Ceramica</i> , <b>2002</b> , 48, 163-171	1	0
175	Magnetic Properties of Ni Nanoparticles Embedded in Amorphous SiO <sub>2</sub> . <i>Materials Research Society Symposia Proceedings</i> , <b>2002</b> , 746, 1		1
174	Effects of Synthesis and Processing on Supersaturated Rare Earth-Doped Nanometric SnO <sub>2</sub> Powders. <i>Nano Letters</i> , <b>2002</b> , 2, 969-973	11.5	30
173	Ferroelectric and optical properties of Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> thin film. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 5972-5978	11.5	30
172	Synthesis and characterization of neodymium nickelate powder produced from polymeric precursors. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 344, 157-160	5.7	2
171	Low-temperature synthesis of single-phase crystalline LaNiO <sub>3</sub> perovskite via Pechini method. <i>Materials Letters</i> , <b>2002</b> , 53, 122-125	3.3	54
170	Photoluminescence in amorphous YNiO <sub>3</sub> and La <sub>0.5</sub> Nd <sub>0.5</sub> NiO <sub>3</sub> systems. <i>Materials Letters</i> , <b>2002</b> , 56, 232-237	3.3	6
169	Development of Metal�SiO <sub>2</sub> Nanocomposites in a Single-Step Process by the Polymerizable Complex Method. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3722-3729	9.6	47
168	Effect of atmosphere and dopants on sintering of SnO <sub>2</sub> . <i>Science of Sintering</i> , <b>2002</b> , 34, 23-31	0.7	4
167	Application of Ni:SiO <sub>2</sub> nanocomposite to control the carbon deposition on the carbon dioxide reforming of methane. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2002</b> , 2, 491-4	1.3	
166	Photoluminescence in amorphous TiO <sub>2</sub> -PbO systems. <i>Applied Physics A: Materials Science and Processing</i> , <b>2001</b> , 73, 567-569	2.6	15
165	Sintering of zirconia composites obtained by slip casting. <i>Ceramics International</i> , <b>2001</b> , 27, 283-289	5.1	11
164	Seeding of PMN powders made by the Pechini method. <i>Ceramics International</i> , <b>2001</b> , 27, 509-515	5.1	18
163	Dielectric properties and microstructure of SrTiO <sub>3</sub> /BaTiO <sub>3</sub> multilayer thin films prepared by a chemical route. <i>Thin Solid Films</i> , <b>2001</b> , 385, 260-265	2.2	32
162	Study of the dielectric and ferroelectric properties of chemically processed Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> thin films. <i>Thin Solid Films</i> , <b>2001</b> , 386, 91-98	2.2	72
161	A study of the SnO <sub>2</sub> /Nb <sub>2</sub> O <sub>5</sub> system for an ethanol vapour sensor: a correlation between microstructure and sensor performance. <i>Sensors and Actuators B: Chemical</i> , <b>2001</b> , 72, 180-183	8.5	43
160	Effect of oxidizing and reducing atmospheres on the electrical properties of dense SnO <sub>2</sub> -based varistors. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 161-167	6	75
159	Preparation, microstructural and electrical characterization of SrTiO <sub>3</sub> thin films prepared by chemical route. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 419-426	6	25

158	Sintering of ultrafine undoped SnO <sub>2</sub> powder. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 669-6756		88
157	Ferroelectric SBN thin films grown by an SBN/Bi <sub>2</sub> O <sub>3</sub> PLD sequential process. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 2199-2205	6	10
156	Microstructural, dielectric and ferroelectric properties of calcium-modified lead titanate thin films derived by chemical processes. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 1107-1114	6	10
155	Sensitivity of SnO <sub>2</sub> non-ohmic behavior to the sintering process and to the addition of La <sub>2</sub> O <sub>3</sub> . <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 1179-1185	6	24
154	Multi-layered LiNbO <sub>3</sub> films prepared by a polymeric precursor method. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 1521-1524	6	11
153	Theoretical analysis on TiO <sub>2</sub> (110)/V surface. <i>International Journal of Quantum Chemistry</i> , <b>2001</b> , 85, 44-512.1		10
152	Theoretical study of MgO(001) surfaces: Pure, doped with Fe, Ca, and Al, and with and without adsorbed water. <i>International Journal of Quantum Chemistry</i> , <b>2001</b> , 84, 705-713	2.1	13
151	Preparation and properties of ferroelectric Pb <sub>1-x</sub> CaxTiO <sub>3</sub> thin films produced by the polymeric precursor method. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 3461-3466	4.3	10
150	Microstructure and electrical properties of perovskite (Pb, La)TiO <sub>3</sub> thin film deposited at low temperature by the polymeric precursor method. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 3565-3571	4.3	16
149	Effect of La <sub>2</sub> O <sub>3</sub> doping on the microstructure and electrical properties of a SnO <sub>2</sub> -based varistor. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2001</b> , 12, 69-74	2.1	17
148	High sinterability of Ca-PZT, synthesized by polymeric and partial oxalate process. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 1001-1006	4.3	1
147	An investigation of oxidation and reduction of C <sub>60</sub> , the excited states, energy gaps and stability using semi-empirical and ab initio methods. <i>Computational and Theoretical Chemistry</i> , <b>2001</b> , 538, 211-223		4
146	Theoretical analysis of the energy levels induced by oxygen vacancies and the doping process (Co, Cu and Zn) on SnO <sub>2</sub> (110) surface models. <i>Computational and Theoretical Chemistry</i> , <b>2001</b> , 541, 69-79		20
145	DFT study of L-alanine as a function of the medium polarity. <i>Computational and Theoretical Chemistry</i> , <b>2001</b> , 544, 151-157		12
144	Structural characterization of organometallic-derived 9.5/65/35 PLZT ceramics. <i>Materials Chemistry and Physics</i> , <b>2001</b> , 68, 136-141	4.4	3
143	Synthesis and characterization of 9.5/65/35 PLZT prepared from the polymeric precursors. <i>Materials Chemistry and Physics</i> , <b>2001</b> , 67, 282-287	4.4	3
142	Effect of Thermal Treatment on the Morphology of PLZT Thin Films Prepared from Polymeric Precursor Method. <i>Key Engineering Materials</i> , <b>2001</b> , 189-191, 155-160	0.4	1
141	MnO <sub>2</sub> Influence on the Electrical Properties of SnO <sub>2</sub> -Based Ceramic Systems. <i>Key Engineering Materials</i> , <b>2001</b> , 189-191, 161-165	0.4	2

140	Microstructural and Electric Properties of Bismuth-Layered Structured Ceramics - SrBi <sub>2</sub> (Ta <sub>1-x</sub> Nb <sub>x</sub> )O <sub>9</sub> . <i>Key Engineering Materials</i> , <b>2001</b> , 206-213, 1369-1372	0.4	
139	Photoluminescence of nanostructured PbTiO <sub>3</sub> processed by high-energy mechanical milling. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 2148-2150	3.4	52
138	Ferroelectric and microstructural characteristics of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin films crystallized by the rapid thermal annealing process. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 3416-3419	2.5	14
137	Composition control of SBN thin films deposited by PLD on various substrates. <i>Solid State Sciences</i> , <b>2001</b> , 3, 1133-1135		16
136	Synthesis and sintering of ZrO <sub>2</sub> -CeO <sub>2</sub> powder by use of polymeric precursor based on Pechini process. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 3825-3830	4.3	42
135	Microstructural and ferroelectric properties of PbZr <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> thin films prepared by the polymeric precursor method. <i>Materials Letters</i> , <b>2001</b> , 49, 365-370	3.3	28
134	Pyrochlore-free Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> prepared by a combination of the partial oxalate and the polymerized complex methods. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 314, 140-146	5.7	27
133	Role of oxygen at the grain boundary of metal oxide varistors: A potential barrier formation mechanism. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 48-50	3.4	144
132	Dynamic Processes in the Coloration of WO <sub>3</sub> by Lithium Insertion. <i>Journal of the Electrochemical Society</i> , <b>2001</b> , 148, E302	3.9	40
131	Molecular structure of the molybdenum oxo-diperoxo compound MoO(O(2))(2)(OPy)(H(2)O): a computational and X-ray study. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 6022-5	5.1	28
130	Cerâmicas eletrônicas à base de SnO <sub>2</sub> e TiO <sub>2</sub> . <i>Cerâmica</i> , <b>2001</b> , 47, 136-143	1	10
129	Preparation of ferroelectric bi-layered thin films using the modified polymeric precursor method. <i>Materials Research</i> , <b>2001</b> , 4, 157-162	1.5	13
128	Sintering of tin oxide and its applications in electronics and processing of high purity optical glasses. <i>Cerâmica</i> , <b>2001</b> , 47, 117-123	1	7
127	A New Method to Control Particle Size and Particle Size Distribution of SnO <sub>2</sub> Nanoparticles for Gas Sensor Applications. <i>Advanced Materials</i> , <b>2000</b> , 12, 965-968	24	324
126	Correlation between the surface morphology and structure and the photoluminescence of amorphous PbTiO <sub>3</sub> thin films obtained by the chemical route. <i>Advanced Materials for Optics and Electronics</i> , <b>2000</b> , 10, 81-89		29
125	Amorphous lead titanate: a new wide-band gap semiconductor with photoluminescence at room temperature. <i>Advanced Materials for Optics and Electronics</i> , <b>2000</b> , 10, 235-240		57
124	Preparation, crystal structure determination and properties of adducts of indium methylene compounds with Group 15 donors. <i>Journal of Organometallic Chemistry</i> , <b>2000</b> , 603, 203-212	2.3	8
123	Low temperature synthesis and electrical properties of PbTiO <sub>3</sub> thin films prepared by the polymeric precursor method. <i>Thin Solid Films</i> , <b>2000</b> , 366, 232-236	2.2	40

122	Key features of alumina/magnesia/graphite refractories for steel ladle lining. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 1419-1427	6	23
121	Sintering of tin oxide processed by slip casting. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 2407-2413	5	
120	Effect of ceria content on the sintering of ZrO <sub>2</sub> based ceramics synthesized from a polymeric precursor. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 1077-1084	6	31
119	Influence of seed particle frequency on the phase formation and on the microstructure of 0.88 PZn <sub>0.07</sub> BT <sub>0.05</sub> PT ceramic. <i>Ceramics International</i> , <b>2000</b> , 26, 727-731	5.1	4
118	Sintering and characterization of PLZT (9/65/35). <i>Ceramics International</i> , <b>2000</b> , 26, 231-236	5.1	26
117	Hot-pressed 9.5/65/35 PLZT prepared by the polymeric precursor method. <i>Ceramics International</i> , <b>2000</b> , 26, 625-630	5.1	11
116	Direct Amorphous-to-Cubic Perovskite Phase Transformation for Lead Titanate. <i>Journal of the American Ceramic Society</i> , <b>2000</b> , 83, 1539-1541	3.8	16
115	Crystallographic and magnetic structure of polycrystalline Zn <sub>7</sub> Ni <sub>x</sub> Sb <sub>2</sub> O <sub>12</sub> spinels. <i>Materials Chemistry and Physics</i> , <b>2000</b> , 65, 208-211	4.4	19
114	Theoretical models of hyperbranched polymers. <i>Computational and Theoretical Chemistry</i> , <b>2000</b> , 507, 97-110		5
113	Lateral interaction of CO and H <sub>2</sub> molecules on ZnO surfaces: an AM1 study. <i>Computational and Theoretical Chemistry</i> , <b>2000</b> , 528, 161-170		20
112	Effect of Ta <sub>2</sub> O <sub>5</sub> doping on the electrical properties of 0.99SnO <sub>2</sub> -0.01CoO ceramic. <i>Journal of Materials Science</i> , <b>2000</b> , 35, 1453-1458	4.3	11
111	High dielectric constant of SrTiO <sub>3</sub> thin films prepared by chemical process. <i>Journal of Materials Science</i> , <b>2000</b> , 35, 4783-4787	4.3	69
110	Synthesis of Ultra-Fine Columbite Powder MgNb <sub>2</sub> O <sub>6</sub> by the Polymerized Complex Method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 17, 111-121	2.3	34
109	Preparation and properties of ferroelectric BaTiO <sub>3</sub> thin films produced by the polymeric precursor method. <i>Journal of Materials Science Letters</i> , <b>2000</b> , 19, 1457-1459		26
108	Varistores à base de SnO <sub>2</sub> : estado da arte e perspectivas. <i>Ceramica</i> , <b>2000</b> , 46, 124-130	1	7
107	Desenvolvimento de sensores para gás à base de SnO <sub>2</sub> nanoestruturado: influência da microestrutura no desempenho do sensor. <i>Ceramica</i> , <b>2000</b> , 46, 156-159	1	2
106	Correlação entre dados estruturais e bandas de vibração no infravermelho para a fase espinélio Zn <sub>7-x</sub> Ni <sub>x</sub> Sb <sub>2</sub> O <sub>12</sub> . <i>Ceramica</i> , <b>2000</b> , 46, 220-224	1	1
105	An alternative chemical route for synthesis of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin films. <i>Journal of Materials Research</i> , <b>2000</b> , 15, 2091-2095	2.5	19



104	Nature of the Schottky-type barrier of highly dense SnO <sub>2</sub> systems displaying nonohmic behavior. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 6545-6548	2.5	90
103	Effects of the postannealing atmosphere on the dielectric properties of (Ba, Sr)TiO <sub>3</sub> capacitors: Evidence of an interfacial space charge layer. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 2433-2435	3.4	129
102	Epitaxially grown LiNbO <sub>3</sub> thin films by polymeric precursor method. <i>Journal of Materials Research</i> , <b>2000</b> , 15, 2446-2453	2.5	33
101	Microstructure and dielectric properties of (Ba,Sr)TiO <sub>3</sub> thin film produced by the polymeric precursor method. <i>Journal of Materials Research</i> , <b>2000</b> , 15, 1176-1181	2.5	15
100	Influence of simultaneous addition of MnO <sub>2</sub> and CoO on properties of SnO <sub>2</sub> -based ceramics. <i>Materials Letters</i> , <b>2000</b> , 46, 39-43	3.3	12
99	SnO <sub>2</sub> /Nb <sub>2</sub> O <sub>5</sub> films for ethanol sensor, obtained by deposition of alcoholic suspensions. <i>Materials Letters</i> , <b>2000</b> , 43, 166-169	3.3	12
98	Ba <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> thin films by polymeric precursor method. <i>Materials Letters</i> , <b>2000</b> , 43, 249-253	3.3	35
97	Magnetic phases of imperfectly crystalline Co <sub>2</sub> SiO <sub>4</sub> . <i>Journal of Non-Crystalline Solids</i> , <b>2000</b> , 273, 277-281	3.9	6
96	Photoluminescence of disordered ABO <sub>3</sub> perovskites. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 824-826	3.4	160
95	A New Method to Control Particle Size and Particle Size Distribution of SnO <sub>2</sub> Nanoparticles for Gas Sensor Applications <b>2000</b> , 12, 965		2
94	Crystallization study of SrTiO <sub>3</sub> thin films prepared by dip coating. <i>Materials Research</i> , <b>1999</b> , 2, 93-97	1.5	17
93	Influence of synthesis and processing parameters of the columbite precursor on the amount of Perovskite PMN. <i>Materials Research</i> , <b>1999</b> , 2, 255-260	1.5	12
92	Synthesis And Sintering of Manganese Doped SnO <sub>2</sub> In Several Atmospheres <b>1999</b> , 437-444		
91	Influence of heat treatment on LiNbO <sub>3</sub> thin films prepared on Si(111) by the polymeric precursor method. <i>Journal of Materials Research</i> , <b>1999</b> , 14, 3115-3121	2.5	30
90	Thickness dependence of leakage current in BaBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin films. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 552-554	3.4	7
89	The influence of crystallization route on the SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> thin films. <i>Journal of Materials Research</i> , <b>1999</b> , 14, 1026-1031	2.5	6
88	SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> Thin films deposited by dip coating using aqueous solution. <i>Journal of the European Ceramic Society</i> , <b>1999</b> , 19, 1409-1412	6	23
87	Structural and surface morphology characterizations of oriented LiNbO <sub>3</sub> thin films grown by polymeric precursor method. <i>Journal of the European Ceramic Society</i> , <b>1999</b> , 19, 1447-1451	6	14

86	Microstructure and electric properties of a SnO <sub>2</sub> based varistor. <i>Ceramics International</i> , <b>1999</b> , 25, 1-6	5.1	91
85	The effect of isostructural seeding on the microstructure and piezoelectric properties of PZT ceramics. <i>Ceramics International</i> , <b>1999</b> , 25, 239-244	5.1	12
84	Microstructural evolution during sintering of CoO doped SnO <sub>2</sub> ceramics. <i>Ceramics International</i> , <b>1999</b> , 25, 253-256	5.1	73
83	Dielectric properties of Na <sub>1-x</sub> Li <sub>x</sub> NbO <sub>3</sub> ceramics from powders obtained by chemical synthesis. <i>Ceramics International</i> , <b>1999</b> , 25, 455-460	5.1	29
82	The effect of ZnO on the sintering and stabilization of ZrO <sub>2</sub> .MgO system. <i>Ceramics International</i> , <b>1999</b> , 25, 593-599	5.1	4
81	Experimental and theoretical study on the piezoelectric behavior of barium doped PZT. <i>Journal of Materials Science</i> , <b>1999</b> , 34, 3659-3667	4.3	16
80	Experimental and theoretical aspects of the stabilization of zirconia.. <i>Journal of Materials Science</i> , <b>1999</b> , 34, 2751-2756	4.3	27
79	The influence of sintering process and atmosphere on the non-ohmic properties of SnO <sub>2</sub> based varistor. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1999</b> , 10, 321-327	2.1	69
78	Ab initio study and NMR analysis of the complexation of citric acid with ion lithium. <i>Computational and Theoretical Chemistry</i> , <b>1999</b> , 493, 309-318		4
77	Theoretical study of water coverage on MgO surfaces. <i>International Journal of Quantum Chemistry</i> , <b>1999</b> , 71, 153-165	2.1	11
76	Cracks developed during SrTiO <sub>3</sub> thin-film preparation from polymeric precursors. <i>Applied Organometallic Chemistry</i> , <b>1999</b> , 13, 373-382	3.1	16
75	Synthesis of nanocrystalline tetragonal zirconia by a polymeric organometallic method. <i>Applied Organometallic Chemistry</i> , <b>1999</b> , 13, 501-507	3.1	11
74	Piezoelectric Effect in Composite Polyurethane/Piezoelectric Ceramics. <i>Physica Status Solidi A</i> , <b>1999</b> , 172, 265-271		29
73	Synthesis and Sintering Of PZT Ceramics <b>1999</b> , 355-366		
72	Structural and electrical properties of SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> thin films prepared by chemical aqueous solution at low temperature. <i>Materials Letters</i> , <b>1999</b> , 40, 33-38	3.3	26
71	Coordination Chemistry of Br <sub>2</sub> InCH <sub>2</sub> Br: Coordination at the Metal Center. <i>Organometallics</i> , <b>1999</b> , 18, 99-105	3.8	10
70	Sintering of ZnO Doped SnO <sub>2</sub> <b>1999</b> , 377-383		
69	Cerâmica Eletrônica: Grupo LIEC - UFSCar. <i>Cerâmica</i> , <b>1999</b> , 45, 04-08	1	

68	Obtenção e caracterização de filmes finos ferroelétricos: Grupo LIEC - UFSCar. <i>Ceramica</i> , <b>1999</b> , 45, 09-12	1	
67	Piezoelectric Effect in Composite Polyurethane/Berroelectric Ceramics <b>1999</b> , 172, 265		1
66	Theoretical study of the structure and stability of $Nb_xO_y$ and $Nb_xO_{y+}$ ( $x=1\text{--}8$ ; $y=2\text{--}8$ ) clusters. <i>Chemical Physics Letters</i> , <b>1998</b> , 287, 620-626	2.5	35
65	Nonlinear electrical behaviour of the $SnO_2.CoO.Ta_2O_5$ system. <i>Journal of Materials Science Letters</i> , <b>1998</b> , 17, 577-579		56
64	Electrical properties of the $SnO_2$ -based varistor. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1998</b> , 9, 159-165	2.1	59
63	The effect of heating rate on the sintering of agglomerated $NaNbO_3$ powders. <i>Journal of Materials Science</i> , <b>1998</b> , 33, 4791-4795	4.3	9
62	A theoretical analysis on the intramolecular proton transfer of $\alpha$ -alanine in an aqueous medium. <i>Chemical Physics Letters</i> , <b>1998</b> , 294, 1-8	2.5	15
61	A PM3 theoretical study of the adsorption and dissociation of water on $MgO$ surfaces. <i>Computational and Theoretical Chemistry</i> , <b>1998</b> , 426, 199-205		10
60	Theoretical study of metiamide, a histamine $H_2$ antagonist. <i>International Journal of Quantum Chemistry</i> , <b>1998</b> , 69, 117-128	2.1	11
59	$CO_2$ and $NH_3$ interaction with $ZnO$ surface: An AM1 study. <i>International Journal of Quantum Chemistry</i> , <b>1998</b> , 70, 367-374	2.1	15
58	Impedance of constant phase element (CPE)-blocked diffusion in film electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>1998</b> , 452, 229-234	4.1	329
57	Synthesis and characterization of PLZT (9/65/35) by the Pechini method and partial oxalate. <i>Materials Letters</i> , <b>1998</b> , 35, 166-171	3.3	28
56	Synthesis of $PbTiO_3$ by use of polymeric precursors. <i>Materials Letters</i> , <b>1998</b> , 37, 1-5	3.3	43
55	Investigation of the electrical properties of $SnO_2$ varistor system using impedance spectroscopy. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 3700-3705	2.5	141
54	Model for zinc oxide varistor. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 1152-1157	2.5	16
53	Preparation and characterization of $SrBi_2Nb_2O_9$ thin films made by polymeric precursors. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 2932-2935	2.5	26
52	Effect of Atmosphere on the Sintering and Grain Growth of Tin Oxide. <i>Materials Science Forum</i> , <b>1998</b> , 299-300, 134-140	0.4	7
51	Ab initio and semiempirical studies of the adsorption and dissociation of water on pure, defective, and doped $MgO$ (001) surfaces. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 3671-3685	3.9	25

50	Effect of atmosphere and dopants on sintering of SnO <sub>2</sub> . <i>Radiation Effects and Defects in Solids</i> , <b>1998</b> , 146, 131-143	0.9	13
49	LiNbO <sub>3</sub> Thin Films prepared from a Polymeric Precursor Method. <i>Key Engineering Materials</i> , <b>1997</b> , 132-136, 1143-1146	0.4	8
48	Microstructure and phase evolution of SrTiO <sub>3</sub> thin films on Si prepared by the use of polymeric precursors. <i>Materials Letters</i> , <b>1997</b> , 31, 173-178	3.3	30
47	Impedance spectroscopy of SnO <sub>2</sub> :CoO during sintering. <i>Materials Letters</i> , <b>1997</b> , 30, 125-130	3.3	9
46	A theoretical study of lithium ion interaction with tin oxide. <i>Computational and Theoretical Chemistry</i> , <b>1997</b> , 394, 259-265		3
45	Ab initio and semiempirical MO studies using large cluster models of CO and H <sub>2</sub> adsorption and dissociation on ZnO surfaces with the formation of ZnH and OH species. <i>Computational and Theoretical Chemistry</i> , <b>1997</b> , 397, 147-157		11
44	Ab initio study of CO and H <sub>2</sub> interaction on ZnO surfaces using a small cluster model. <i>Computational and Theoretical Chemistry</i> , <b>1997</b> , 398-399, 457-466		22
43	Piezoelectric behaviour of PZT doped with calcium: a combined experimental and theoretical study. <i>Journal of Materials Science</i> , <b>1997</b> , 32, 2381-2386	4.3	14
42	Effect of Bi <sub>2</sub> O <sub>3</sub> addition on the microstructure and electrical properties of the SnO <sub>2</sub> .CoO.Nb <sub>2</sub> O <sub>5</sub> varistor system. <i>Journal of Materials Science Letters</i> , <b>1997</b> , 16, 634-638		109
41	An ab initio study of oxygen vacancies and doping process of Nb and Cr atoms on TiO <sub>2</sub> (110) surface models. <i>International Journal of Quantum Chemistry</i> , <b>1997</b> , 65, 625-631	2.1	16
40	Phase analysis of seeded and doped PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> prepared by organic solution of citrates. <i>Journal of Materials Research</i> , <b>1996</b> , 11, 1795-1799	2.5	18
39	Synthesis and sintering of ultra fine NaNbO <sub>3</sub> powder by use of polymeric precursors. <i>Materials Letters</i> , <b>1996</b> , 28, 215-220	3.3	73
38	CO interaction with ZnO surfaces: an MNDO, AM1 and PM3 theoretical study with large cluster models. <i>Computational and Theoretical Chemistry</i> , <b>1996</b> , 363, 249-256		13
37	H <sub>2</sub> O and H <sub>2</sub> interaction with ZnO surfaces: A MNDO, AM1, and PM3 theoretical study with large cluster models. <i>International Journal of Quantum Chemistry</i> , <b>1996</b> , 57, 861-870	2.1	41
36	An ab initio perturbed ion study of structural properties of TiO <sub>2</sub> , SnO <sub>2</sub> and GeO <sub>2</sub> rutile lattices. <i>Chemical Physics</i> , <b>1996</b> , 212, 381-391	2.3	24
35	Microstructural development of ZnO varistor during reactive liquid phase sintering. <i>Journal of Materials Science</i> , <b>1996</b> , 31, 5391-5398	4.3	46
34	Mechanism of Phase Formation in Pb(Zr <sub>x</sub> Ti <sub>1-x</sub> )O <sub>3</sub> Synthesized by a Partial Oxalate Method. <i>Journal of the American Ceramic Society</i> , <b>1996</b> , 79, 1563-1568	3.8	35
33	Effect of Cr <sub>2</sub> O <sub>3</sub> in the varistor behaviour of TiO <sub>2</sub> . <i>Journal of Materials Science Letters</i> , <b>1996</b> , 15, 2048-2050		23

32	Simulation of ionic crystals: calculation of Madelung potentials for stabilized zirconia. <i>Journal of Materials Science</i> , <b>1995</b> , 30, 4852-4856	4.3	1
31	Effect of Cr <sub>2</sub> O <sub>3</sub> on the electrical properties of multicomponent ZnO varistors at the pre-breakdown region. <i>Journal of Materials Science</i> , <b>1995</b> , 30, 133-141	4.3	28
30	A new SnO <sub>2</sub> -based varistor system. <i>Journal of Materials Science Letters</i> , <b>1995</b> , 14, 692		235
29	Influence of polymerization on the synthesis of SrTiO <sub>3</sub> : Part II. Particle and agglomerate morphologies. <i>Ceramics International</i> , <b>1995</b> , 21, 153-158	5.1	36
28	A theoretical study of (1010) and (0001) ZnO surfaces: molecular cluster model, basis set and effective core potential dependence. <i>Computational and Theoretical Chemistry</i> , <b>1995</b> , 330, 301-306		25
27	A theoretical study of water adsorption on (10-10) and (0001) ZnO surfaces: molecular cluster, basis set and effective core potential dependence. <i>Computational and Theoretical Chemistry</i> , <b>1995</b> , 330, 347-351		39
26	A model for electron transfer in aniline oligomers. <i>Computational and Theoretical Chemistry</i> , <b>1995</b> , 335, 141-147		1
25	Interaction between Li <sup>+</sup> and C <sub>60</sub> molecules. <i>Computational and Theoretical Chemistry</i> , <b>1995</b> , 335, 149-152		10
24	Theoretical study of cluster models and molecular hydrogen interaction with SnO <sub>2</sub> [110] surface. <i>Computational and Theoretical Chemistry</i> , <b>1995</b> , 335, 167-174		15
23	MNDO theoretical study of ethanol decomposition process on SnO <sub>2</sub> surfaces. <i>Computational and Theoretical Chemistry</i> , <b>1995</b> , 357, 153-159		4
22	Synthesis of ultra-fine crystalline Zr <sub>x</sub> Ti <sub>1-x</sub> O <sub>4</sub> powder by polymeric precursor method. <i>Materials Letters</i> , <b>1995</b> , 22, 181-185	3.3	27
21	Influence of polymerization on the synthesis of SrTiO <sub>3</sub> : Part I. Characteristics of the polymeric precursors and their thermal decomposition. <i>Ceramics International</i> , <b>1995</b> , 21, 143-152	5.1	76
20	Quantum chemical study of the adsorption of water on zinc oxide surface. <i>Computational and Theoretical Chemistry</i> , <b>1994</b> , 303, 19-24		17
19	Preparation and Characterization of a Dip-Coated SnO <sub>2</sub> Film for Transparent Electrodes for Transmissive Electrochromic Devices. <i>Journal of the Electrochemical Society</i> , <b>1993</b> , 140, L81-L82	3.9	79
18	ZnO clusters models: An AM1 and MNDO study. <i>International Journal of Quantum Chemistry</i> , <b>1993</b> , 48, 643-653	2.1	11
17	The Effect of Additives on the Sintering of Tin Oxide. <i>Solid State Phenomena</i> , <b>1992</b> , 25-26, 259-268	0.4	9
16	The Influence of Fe <sub>2</sub> O <sub>3</sub> on Stabilization and Sintering of MgO Stabilized Zirconia. <i>Solid State Phenomena</i> , <b>1992</b> , 25-26, 285-292	0.4	
15	Barrier voltage deformation of ZnO varistors by current pulse. <i>Journal of Applied Physics</i> , <b>1992</b> , 72, 147-159		27

14	Phase Characterization of Lead Zirconate Titanate Obtained from Organic Solutions of Citrates. <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 2088-2093	3.8	25
13	A proposed topography for the histamine H2-receptor from structural AM1 calculations. <i>Computational and Theoretical Chemistry</i> , <b>1992</b> , 254, 505-515		5
12	A new interpretation for the degradation phenomenon of ZnO varistors. <i>Journal of Materials Science</i> , <b>1992</b> , 27, 5325-5329	4.3	55
11	Potassium Vapor Attack in Refractories of the Alumina-Silica System. <i>Journal of the American Ceramic Society</i> , <b>1990</b> , 73, 1413-1416	3.8	28
10	Structure-activity relationships for histamine H2-antagonists. <i>Computational and Theoretical Chemistry</i> , <b>1990</b> , 210, 447-453		4
9	Pore size evolution during sintering of ceramic oxides. <i>Ceramics International</i> , <b>1990</b> , 16, 177-189	5.1	95
8	Effect of Niobia on the Sintering of SnO <sub>2</sub> <b>1989</b> , 529-536		5
7	The catalytic mechanism of serine proteases. III. An Indo-ISCIF study of the methylacetate docking in alpha-chymotrypsin. <i>Journal of Theoretical Biology</i> , <b>1986</b> , 118, 45-59	2.3	9
6	The catalytic mechanism of serine proteases II: The effect of the protein environment in the alpha-chymotrypsin proton relay system. <i>Journal of Theoretical Biology</i> , <b>1985</b> , 112, 783-98	2.3	25
5	Mechanisms of water interaction with a magnesium oxide surface. <i>Langmuir</i> , <b>1985</b> , 1, 456-461	4	28
4	The catalytic mechanism of serine proteases: single proton versus double proton transfer. <i>Journal of Theoretical Biology</i> , <b>1984</b> , 107, 329-38	2.3	7
3	Reading at exposed surfaces: theoretical insights into photocatalytic activity of ZnWO <sub>4</sub> , 1005		11
2	Determination of Corrosion Factors in Glass Furnaces. <i>Ceramic Engineering and Science Proceedings</i> , 75-88.	1	
1	Ag nanoparticles-based antimicrobial polycotton fabrics to prevent the transmission and spread of SARS-CoV-2.		6