Elson Longo

List of Publications by Citations

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	Impedance of constant phase element (CPE)-blocked diffusion in film electrodes. *Journal of Electroanalytical Chemistry*, **1998**, 452, 229-234	4.1	329
1344	A New Method to Control Particle Size and Particle Size Distribution of SnO2 Nanoparticles for Gas Sensor Applications. *Advanced Materials*, **2000**, 12, 965-968	24	324
1343	Crystal growth in colloidal tin oxide nanocrystals induced by coalescence at room temperature. *Applied Physics Letters*, **2003**, 83, 1566-1568	3.4	237
1342	A new SnO2-based varistor system. *Journal of Materials Science Letters*, **1995**, 14, 692		235
1341	Photoluminescence in quantum-confined SnO2 nanocrystals: Evidence of free exciton decay. *Applied Physics Letters*, **2004**, 84, 1745-1747	3.4	222
1340	SnO2, ZnO and related polycrystalline compound semiconductors: An overview and review on the voltage-dependent resistance (non-ohmic) feature. *Journal of the European Ceramic Society*, **2008**, 28, 505-529	6	221
1339	The Role of Hierarchical Morphologies in the Superior Gas Sensing Performance of CuO-Based Chemiresistors. *Advanced Functional Materials*, **2013**, 23, 1759-1766	15.6	218
1338	Synthesis and characterization of CuO flower-nanostructure processing by a domestic hydrothermal microwave. *Journal of Alloys and Compounds*, **2008**, 459, 537-542	5.7	200
1337	Superparamagnetism and magnetic properties of Ni nanoparticles embedded in SiO2. *Physical Review B*, **2002**, 66,	3.3	192
1336	Effect of the ZrO2 phase on the structure and behavior of supported Cu catalysts for ethanol conversion. *Journal of Catalysis*, **2013**, 307, 1-17	7.3	189
1335	Oriented attachment: an effective mechanism in the formation of anisotropic nanocrystals. *Journal of Physical Chemistry B*, **2005**, 109, 20842-6	3.4	188
1334	Effect of Different Solvent Ratios (Water/Ethylene Glycol) on the Growth Process of CaMoO4Crystals and Their Optical Properties. *Crystal Growth and Design*, **2010**, 10, 4752-4768	3.5	186
1333	Structural characterization of phase transition of Al2O3 nanopowders obtained by polymeric precursor method. *Materials Chemistry and Physics*, **2007**, 103, 394-399	4.4	186
1332	Electronic structure, growth mechanism and photoluminescence of CaWO4 crystals. *CrystEngComm* , **2012**, 14, 853-868	3.3	174
1331	Preparation and characterization of ceria nanospheres by microwave-hydrothermal method. *Materials Letters*, **2008**, 62, 4509-4511	3.3	172
1330	Production of biodiesel by esterification of palmitic acid over mesoporous aluminosilicate Al-MCM-41. *Fuel*, **2009**, 88, 461-468	7.1	170
1329	SrMoO4 powders processed in microwave-hydrothermal: Synthesis, characterization and optical properties. *Chemical Engineering Journal*, **2008**, 140, 632-637	14.7	165

1328	Photoluminescence of disordered ABO3 perovskites. *Applied Physics Letters*, **2000**, 77, 824-826	3.4	160
1327	Synthesis, structural refinement and optical behavior of CaTiO3 powders: A comparative study of processing in different furnaces. *Chemical Engineering Journal*, **2008**, 143, 299-307	14.7	158
1326	Structural and optical properties of CaTiO3 perovskite-based materials obtained by microwave-assisted hydrothermal synthesis: An experimental and theoretical insight. *Acta Materialia*, **2009**, 57, 5174-5185	8.4	157
1325	Morphology and Blue Photoluminescence Emission of PbMoO4 Processed in Conventional Hydrothermal. *Journal of Physical Chemistry C*, **2009**, 113, 5812-5822	3.8	156
1324	Hydrothermal Microwave: A New Route to Obtain Photoluminescent Crystalline BaTiO3 Nanoparticles. *Chemistry of Materials*, **2008**, 20, 5381-5387	9.6	147
1323	Effect of Cobalt(II) Oxide and Manganese(IV) Oxide on Sintering of Tin(IV) Oxide. *Journal of the American Ceramic Society*, **2005**, 79, 799-804	3.8	144
1322	Role of oxygen at the grain boundary of metal oxide varistors: A potential barrier formation mechanism. *Applied Physics Letters*, **2001**, 79, 48-50	3.4	144
1321	Cluster coordination and photoluminescence properties of □-Ag2WO4 microcrystals. *Inorganic Chemistry*, **2012**, 51, 10675-87	5.1	143
1320	Investigation of the electrical properties of SnO2 varistor system using impedance spectroscopy. *Journal of Applied Physics*, **1998**, 84, 3700-3705	2.5	141
1319	A kinetic model to describe nanocrystal growth by the oriented attachment mechanism. *ChemPhysChem*, **2005**, 6, 690-6	3.2	138
1318	Dielectric and ferroelectric characteristics of barium zirconate titanate ceramics prepared from mixed oxide method. *Journal of Alloys and Compounds*, **2008**, 462, 129-134	5.7	131
1317	Electronic structure and optical properties of BaMoO4 powders. *Current Applied Physics*, **2010**, 10, 614-618	2.4	130
1316	Effects of the postannealing atmosphere on the dielectric properties of (Ba, Sr)TiO3 capacitors: Evidence of an interfacial space charge layer. *Applied Physics Letters*, **2000**, 76, 2433-2435	3.4	129
1315	Synthesis, growth process and photoluminescence properties of SrWO4 powders. *Journal of Colloid and Interface Science*, **2009**, 330, 227-36	9.3	124
1314	Reaction Pathway to the Synthesis of Anatase via the Chemical Modification of Titanium Isopropoxide with Acetic Acid. *Chemistry of Materials*, **2008**, 20, 143-150	9.6	123
1313	Strong violetâBlue light photoluminescence emission at room temperature in SrZrO3: Joint experimental and theoretical study. *Acta Materialia*, **2008**, 56, 2191-2202	8.4	122
1312	Development of Metal Oxide Nanoparticles with High Stability Against Particle Growth Using a Metastable Solid Solution. *Advanced Materials*, **2002**, 14, 905	24	120
1311	A polaronic stacking fault defect model for CaCu3Ti4O12material: an approach for the origin of the huge dielectric constant and semiconducting coexistent features. *Journal Physics D: Applied Physics*, **2009**, 42, 055404	3	119

1310	Structural conditions that leads to photoluminescence emission in SrTiO3: An experimental and theoretical approach. *Journal of Applied Physics*, **2008**, 104, 023515	2.5	118
1309	Photoluminescence of SrTiO3: Influence of Particle Size and Morphology. *Crystal Growth and Design* , **2012**, 12, 5671-5679	3.5	117
1308	Hierarchical Assembly of CaMoO4 Nano-Octahedrons and Their Photoluminescence Properties. *Journal of Physical Chemistry C*, **2011**, 115, 5207-5219	3.8	113
1307	Toward an Understanding of the Growth of Ag Filaments on □-Ag2WO4 and Their Photoluminescent Properties: A Combined Experimental and Theoretical Study. *Journal of Physical Chemistry C*, **2014**, 118, 1229-1239	3.8	111
1306	Facet-dependent photocatalytic and antibacterial properties of □-Ag2WO4 crystals: combining experimental data and theoretical insights. *Catalysis Science and Technology*, **2015**, 5, 4091-4107	5.5	110
1305	Effect of Bi2O3 addition on the microstructure and electrical properties of the SnO2.CoO.Nb2O5 varistor system. *Journal of Materials Science Letters*, **1997**, 16, 634-638		109
1304	Synthesis and characterization of spinel pigment CaFe2O4 obtained by the polymeric precursor method. *Materials Letters*, **2004**, 58, 569-572	3.3	108
1303	Thermodynamic argument about SnO2 nanoribbon growth. *Applied Physics Letters*, **2003**, 83, 635-637	3.4	105
1302	The influence of the film thickness of nanostructured alpha-Fe2O3 on water photooxidation. *Physical Chemistry Chemical Physics*, **2009**, 11, 1215-9	3.6	104
1301	Synthesis, Characterization, Anisotropic Growth and Photoluminescence of BaWO4. *Crystal Growth and Design*, **2009**, 9, 1002-1012	3.5	102
1300	Experimental and theoretical investigations of electronic structure and photoluminescence properties of □Ag2MoO4 microcrystals. *Inorganic Chemistry*, **2014**, 53, 5589-99	5.1	101
1299	NiTiO3 powders obtained by polymeric precursor method: Synthesis and characterization. *Journal of Alloys and Compounds*, **2009**, 468, 327-332	5.7	101
1298	Highly intense violet-blue light emission at room temperature in structurally disordered SrZrO3 powders. *Applied Physics Letters*, **2007**, 90, 091906	3.4	101
1297	Photoluminescent BaMoO4 nanopowders prepared by complex polymerization method (CPM). *Journal of Solid State Chemistry*, **2006**, 179, 671-678	3.3	100
1296	Structure and growth mechanism of CuO plates obtained by microwave-hydrothermal without surfactants. *Advanced Powder Technology*, **2010**, 21, 197-202	4.6	97
1295	Different origins of green-light photoluminescence emission in structurally ordered and disordered powders of calcium molybdate. *Journal of Physical Chemistry A*, **2008**, 112, 8920-8	2.8	97
1294	CeO2 nanoparticles synthesized by a microwave-assisted hydrothermal method: evolution from nanospheres to nanorods. *CrystEngComm*, **2012**, 14, 1150-1154	3.3	96
1293	Direct in situ observation of the electron-driven synthesis of Ag filaments on □-Ag2WO4 crystals. *Scientific Reports*, **2013**, 3, 1676	4.9	95

1292	Pore size evolution during sintering of ceramic oxides. *Ceramics International*, **1990**, 16, 177-189	5.1	95
1291	Density functional theory calculation of the electronic structure of Ba0.5Sr0.5TiO3: Photoluminescent properties and structural disorder. *Physical Review B*, **2004**, 69,	3.3	94
1290	Influence of Microwave Heating on the Growth of Gadolinium-Doped Cerium Oxide Nanorods. *Crystal Growth and Design*, **2008**, 8, 384-386	3.5	93
1289	Room-temperature photoluminescence of BaTiO3: Joint experimental and theoretical study. *Physical Review B*, **2005**, 71,	3.3	93
1288	Experimental and Theoretical Study on the Structure, Optical Properties, and Growth of Metallic Silver Nanostructures in Ag3PO4. *Journal of Physical Chemistry C*, **2015**, 119, 6293-6306	3.8	92
1287	A novel ozone gas sensor based on one-dimensional (1D) □-AgâWOâ□nanostructures. *Nanoscale*, **2014**, 6, 4058-62	7.7	92
1286	Efficient microwave-assisted hydrothermal synthesis of CuO sea urchin-like architectures via a mesoscale self-assembly. *CrystEngComm*, **2010**, 12, 1696	3.3	92
1285	Room temperature co-precipitation of nanocrystalline CeO2 and Ce0.8Gd0.2O1.9â□powder. *Materials Letters*, **2007**, 61, 1904-1907	3.3	92
1284	Periodic study on the structural and electronic properties of bulk, oxidized and reduced SnO 2 (1 1 0) surfaces and the interaction with O 2. *Surface Science*, **2002**, 511, 408-420	1.8	92
1283	Potentiated electron transference in □-Ag2WO4 microcrystals with Ag nanofilaments as microbial agent. *Journal of Physical Chemistry A*, **2014**, 118, 5769-78	2.8	91
1282	Microstructure and electric properties of a SnO2 based varistor. *Ceramics International*, **1999**, 25, 1-6	5.1	91
1281	BaMoO4 powders processed in domestic microwave-hydrothermal: Synthesis, characterization and photoluminescence at room temperature. *Journal of Physics and Chemistry of Solids*, **2008**, 69, 2674-2680	3.9	90
1280	Nature of the Schottky-type barrier of highly dense SnO2 systems displaying nonohmic behavior. *Journal of Applied Physics*, **2000**, 88, 6545-6548	2.5	90
1279	Photoluminescence at room temperature in amorphous SrTiO3 thin films obtained by chemical solution deposition. *Materials Chemistry and Physics*, **2003**, 77, 598-602	4.4	89
1278	Preparation, structural and optical characterization of BaWO4 and PbWO4 thin films prepared by a chemical route. *Journal of the European Ceramic Society*, **2003**, 23, 3001-3007	6	89
1277	Microstructural and optical characterization of CaWO4 and SrWO4 thin films prepared by a chemical solution method. *Materials Letters*, **2004**, 58, 727-732	3.3	89
1276	Sintering of ultrafine undoped SnO2 powder. *Journal of the European Ceramic Society*, **2001**, 21, 669-675	6	88
1275	Non-Ohmic and dielectric properties of a Ca2Cu2Ti4O12 polycrystalline system. *Applied Physics Letters*, **2006**, 89, 212102	3.4	87

1274	Rietveld refinement, microstructure, conductivity and impedance properties of Ba[Zr0.25Ti0.75]O3 ceramic. *Current Applied Physics*, **2011**, 11, 1282-1293	2.6	86
1273	Mechanisms behind blue, green, and red photoluminescence emissions in CaWO4 and CaMoO4 powders. *Applied Physics Letters*, **2007**, 91, 051923	3.4	84
1272	Zinc blende versus wurtzite ZnS nanoparticles: control of the phase and optical properties by tetrabutylammonium hydroxide. *Physical Chemistry Chemical Physics*, **2014**, 16, 20127-37	3.6	82
1271	Optical and dielectric relaxor behaviour of Ba(Zr0.25Ti0.75)O3ceramic explained by means of distorted clusters. *Journal Physics D: Applied Physics*, **2009**, 42, 175414	3	82
1270	Oriented attachment mechanism in anisotropic nanocrystals: a "polymerization" approach. *ChemPhysChem*, **2006**, 7, 664-70	3.2	81
1269	UV-enhanced ozone gas sensing response of ZnO-SnO2 heterojunctions at room temperature. *Sensors and Actuators B: Chemical*, **2017**, 240, 573-579	8.5	80
1268	Study of Synthesis Variables in the Nanocrystal Growth Behavior of Tin Oxide Processed by Controlled Hydrolysis. *Journal of Physical Chemistry B*, **2004**, 108, 15612-15617	3.4	80
1267	Growth mechanism and photocatalytic properties of SrWO4 microcrystals synthesized by injection of ions into a hot aqueous solution. *Advanced Powder Technology*, **2013**, 24, 344-353	4.6	79
1266	Photoluminescence behavior in MgTiO3 powders with vacancy/distorted clusters and octahedral tilting. *Materials Chemistry and Physics*, **2009**, 117, 192-198	4.4	79
1265	ZnO architectures synthesized by a microwave-assisted hydrothermal method and their photoluminescence properties. *Solid State Ionics*, **2010**, 181, 775-780	3.3	79
1264	The role of network modifiers in the creation of photoluminescence in CaTiO3. *Materials Chemistry and Physics*, **2003**, 78, 227-233	4.4	79
1263	Preparation and Characterization of a Dip-Coated SnO2 Film for Transparent Electrodes for Transmissive Electrochromic Devices. *Journal of the Electrochemical Society*, **1993**, 140, L81-L82	3.9	79
1262	Synthesis of wurtzite ZnS nanoparticles using the microwave assisted solvothermal method. *Journal of Alloys and Compounds*, **2013**, 556, 153-159	5.7	78
1261	Site-selective ethanol conversion over supported copper catalysts. *Catalysis Communications*, **2012**, 26, 122-126	3.2	78
1260	Electronic and structural properties of the (1010) and (1120) ZnO surfaces. *Journal of Physical Chemistry A*, **2008**, 112, 8958-63	2.8	78
1259	Structural and spectroscopic analysis of -Al2O3 to -Al2O3-CoAl2O4 phase transition. *Materials Chemistry and Physics*, **2006**, 97, 102-108	4.4	78
1258	ZnWO nanocrystals: synthesis, morphology, photoluminescence and photocatalytic properties. *Physical Chemistry Chemical Physics*, **2018**, 20, 1923-1937	3.6	77
1257	Study of the annealing temperature effect on the structural and luminescent properties of SrWO4:Eu phosphors prepared by a non-hydrolytic solâgel process. *Journal of Alloys and Compounds*, **2012**, 526, 11-21	5.7	77

1256	Structural and electronic analysis of the atomic scale nucleation of Ag on □-Ag2WO4 induced by electron irradiation. *Scientific Reports*, **2014**, 4, 5391	4.9	76
1255	Synthesis of Fine Micro-sized BaZrO3 Powders Based on a Decaoctahedron Shape by the Microwave-Assisted Hydrothermal Method. *Crystal Growth and Design*, **2009**, 9, 833-839	3.5	76
1254	Experimental and theoretical correlation of very intense visible green photoluminescence in BaZrO3 powders. *Journal of Applied Physics*, **2008**, 103, 063527	2.5	76
1253	Microstructural and morphological analysis of pure and Ce-doped tin dioxide nanoparticles. *Journal of the European Ceramic Society*, **2003**, 23, 707-713	6	76
1252	Influence of polymerization on the synthesis of SrTiO3: Part I. Characteristics of the polymeric precursors and their thermal decomposition. *Ceramics International*, **1995**, 21, 143-152	5.1	76
1251	Structural refinement, optical and microwave dielectric properties of BaZrO3. *Ceramics International*, **2012**, 38, 2129-2138	5.1	75
1250	Microstructure, dielectric properties and optical band gap control on the photoluminescence behavior of Ba[Zr0.25Ti0.75]O3 thin films. *Journal of Sol-Gel Science and Technology*, **2009**, 49, 35-46	2.3	75
1249	Photoluminescent behavior of BaWO4 powders processed in microwave-hydrothermal. *Journal of Alloys and Compounds*, **2009**, 474, 195-200	5.7	75
1248	Effect of oxidizing and reducing atmospheres on the electrical properties of dense SnO2-based varistors. *Journal of the European Ceramic Society*, **2001**, 21, 161-167	6	75
1247	Long-range and short-range structures of cube-like shape SrTiO3 powders: microwave-assisted hydrothermal synthesis and photocatalytic activity. *Physical Chemistry Chemical Physics*, **2013**, 15, 12386-93	3.6	74
1246	Presence of excited electronic state in CaWO4 crystals provoked by a tetrahedral distortion: An experimental and theoretical investigation. *Journal of Applied Physics*, **2011**, 110, 043501	2.5	74
1245	Reuse of sugarcane bagasse ash (SCBA) to produce ceramic materials. *Journal of Environmental Management*, **2011**, 92, 2774-80	7.9	74
1244	New strategies in the preparation of exfoliated thermoplastic starchâ€montmorillonite nanocomposites. *Industrial Crops and Products*, **2011**, 34, 1502-1508	5.9	74
1243	Structure and optical properties of [Ba1â□Y2x/3](Zr0.25Ti0.75)O3 powders. *Solid State Sciences*, **2010**, 12, 1160-1167	3.4	74
1242	A relationship between structural and electronic order-disorder effects and optical properties in crystalline TiO2 nanomaterials. *Dalton Transactions*, **2015**, 44, 3159-75	4.3	73
1241	Moderating effect of ammonia on particle growth and stability of quasi-monodisperse silver nanoparticles synthesized by the Turkevich method. *Journal of Colloid and Interface Science*, **2011**, 360, 355-8	9.3	73
1240	Microstructural evolution during sintering of CoO doped SnO2 ceramics. *Ceramics International*, **1999**, 25, 253-256	5.1	73
1239	Synthesis and sintering of ultra fine NaNbO3 powder by use of polymeric precursors. *Materials Letters*, **1996**, 28, 215-220	3.3	73

1238	Silver Molybdate and Silver Tungstate Nanocomposites with Enhanced Photoluminescence. *Nanomaterials and Nanotechnology*, **2014**, 4, 22	2.9	72
1237	Structural refinement, growth process, photoluminescence and photocatalytic properties of (Ba1-xPr2x/3)WO4 crystals synthesized by the coprecipitation method. *RSC Advances*, **2012**, 2, 6438	3.7	72
1236	CuO urchin-nanostructures synthesized from a domestic hydrothermal microwave method. *Materials Research Bulletin*, **2008**, 43, 771-775	5.1	72
1235	Study of the dielectric and ferroelectric properties of chemically processed BaxSr1âTiO3 thin films. *Thin Solid Films*, **2001**, 386, 91-98	2.2	72
1234	Photoluminescence properties of praseodymium doped cerium oxide nanocrystals. *Ceramics International*, **2014**, 40, 4445-4453	5.1	71
1233	Preparation of CeO2 by a simple microwaveâhydrothermal method. *Solid State Ionics*, **2009**, 180, 288-291	3.3	71
1232	Recent research developments in SnO2-based varistors. *Materials Chemistry and Physics*, **2005**, 90, 1-9	4.4	71
1231	Effects of surface stability on the morphological transformation of metals and metal oxides as investigated by first-principles calculations. *Nanotechnology*, **2015**, 26, 405703	3.4	70
1230	Growth mechanism of octahedron-like BaMoO4 microcrystals processed in microwave-hydrothermal: Experimental observations and computational modeling. *Particuology*, **2009**, 7, 353-362	2.8	70
1229	Relation between photoluminescence emission and local order-disorder in the CaTiO3 lattice modifier. *Applied Physics Letters*, **2007**, 90, 111904	3.4	70
1228	Theoretical and experimental study on the photoluminescence in BaTiO3 amorphous thin films prepared by the chemical route. *Journal of Luminescence*, **2003**, 104, 175-185	3.8	70
1227	Toward Understanding the Photocatalytic Activity of PbMoO4 Powders with Predominant (111), (100), (011), and (110) Facets. A Combined Experimental and Theoretical Study. *Journal of Physical Chemistry C*, **2013**, 117, 21382-21395	3.8	69
1226	Growth of SnO nanobelts and dendrites by a self-catalytic VLS process. *Journal of Physical Chemistry B*, **2006**, 110, 6621-5	3.4	69
1225	High dielectric constant of SrTiO3 thin films prepared by chemical process. *Journal of Materials Science*, **2000**, 35, 4783-4787	4.3	69
1224	The influence of sintering process and atmosphere on the non-ohmic properties of SnO2 based varistor. *Journal of Materials Science: Materials in Electronics*, **1999**, 10, 321-327	2.1	69
1223	Photoluminescence of barium titanate and barium zirconate in multilayer disordered thin films at room temperature. *Journal of Physical Chemistry A*, **2008**, 112, 8938-42	2.8	68
1222	Anisotropic Growth of Oxide Nanocrystals: Insights into the Rutile TiO2 Phase. *Journal of Physical Chemistry C*, **2007**, 111, 5871-5875	3.8	68
1221	Ferroelectric and optical properties of Ba0.8Sr0.2TiO3 thin film. *Journal of Applied Physics*, **2002**, 91, 5972-5978	2.5	67

1220	A Joint Experimental and Theoretical Study on the Nanomorphology of CaWO4 Crystals. *Journal of Physical Chemistry C*, **2011**, 115, 20113-20119	3.8	66
1219	Electronic and structural properties of SnxTi1âO2 solid solutions: a periodic DFT study. *Catalysis Today*, **2003**, 85, 145-152	5.3	66
1218	A combined theoretical and experimental study of electronic structure and optical properties of ZnMoO4 microcrystals. *Polyhedron*, **2013**, 54, 13-25	2.7	65
1217	An efficient microwave-assisted hydrothermal synthesis of BaZrO3 microcrystals: growth mechanism and photoluminescence emissions. *CrystEngComm*, **2010**, 12, 3612	3.3	64
1216	The interaction of H2, CO, CO2, H2O and NH3 on ZnO surfaces: an Oniom Study. *Chemical Physics Letters*, **2004**, 400, 481-486	2.5	64
1215	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. *Astronomy and Astrophysics*, **2016**, 585, A133	5.1	64
1214	First principles calculations on the origin of violet-blue and green light photoluminescence emission in SrZrO3 and SrTiO3 perovskites. *Theoretical Chemistry Accounts*, **2009**, 124, 385-394	1.9	63
1213	Rietveld refinement, cluster modelling, growth mechanism and photoluminescence properties of CaWO4:Eu3+ microcrystals. *CrystEngComm*, **2015**, 17, 1654-1666	3.3	62
1212	Structure, microstructure and dielectric properties of 100â(Bi0.5Na0.5)TiO3â[SrTiO3] composites ceramics. *Applied Physics A: Materials Science and Processing*, **2012**, 109, 715-723	2.6	61
1211	MgFe2O4 pigment obtained at low temperature. *Materials Research Bulletin*, **2006**, 41, 183-190	5.1	60
1210	ZnMoO4 microcrystals synthesized by the surfactant-assisted hydrothermal method: Growth process and photoluminescence properties. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 396, 346-351	5.1	59
1209	Intense blue and green photoluminescence emissions at room temperature in barium zirconate powders. *Journal of Alloys and Compounds*, **2009**, 471, 253-258	5.7	59
1208	Electrical properties of the SnO2-based varistor. *Journal of Materials Science: Materials in Electronics*, **1998**, 9, 159-165	2.1	59
1207	Dye-sensitized solar cell architecture based on indiumâtin oxide nanowires coated with titanium dioxide. *Scripta Materialia*, **2007**, 57, 277-280	5.6	59
1206	Synthesis, characterization and photophysical properties of Eu3+ doped in BaMoO4. *Journal of Fluorescence*, **2008**, 18, 239-45	2.4	59
1205	Characterization of BaTi1âZrxO3 thin films obtained by a soft chemical spin-coating technique. *Journal of Applied Physics*, **2004**, 96, 4386-4391	2.5	59
1204	An easy method of preparing ozone gas sensors based on ZnO nanorods. *RSC Advances*, **2015**, 5, 19528-19533	3.7	58
1203	On the photoluminescence behavior of samarium-doped strontium titanate nanostructures under UV light. A structural and electronic understanding. *Physical Chemistry Chemical Physics*, **2010**, 12, 7566-79	3.6	58

1202	CaTiO3:Eu3+ obtained by microwave assisted hydrothermal method: A photoluminescent approach. *Optical Materials*, **2010**, 32, 990-997	3.3	58
1201	Photoluminescence in disordered Zn2TiO4. *Journal of Solid State Chemistry*, **2006**, 179, 985-992	3.3	58
1200	Intense visible photoluminescence in Ba(Zr0.25Ti0.75)O3 thin films. *Applied Physics Letters*, **2007**, 90, 011901	3.4	58
1199	Epitaxial growth of LiNbO3 thin films in a microwave oven. *Thin Solid Films*, **2003**, 436, 213-219	2.2	58
1198	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO4 crystals. *Polyhedron*, **2013**, 50, 532-545	2.7	57
1197	Effect of TiO2 surface modification in Rhodamine B photodegradation. *Journal of Sol-Gel Science and Technology*, **2009**, 49, 95-100	2.3	57
1196	Toward an understanding of intermediate- and short-range defects in ZnO single crystals. A combined experimental and theoretical study. *Journal of Physical Chemistry A*, **2008**, 112, 8970-8	2.8	57
1195	Origin of photoluminescence in SrTiO3: a combined experimental and theoretical study. *Journal of Solid State Chemistry*, **2004**, 177, 3879-3885	3.3	57
1194	Influence of the concentration of Sb2O3 and the viscosity of the precursor solution on the electrical and optical properties of SnO2 thin films produced by the Pechini method. *Thin Solid Films*, **2002**, 405, 228-233	2.2	57
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1192	Morphology and Photoluminescence of HfO(2) Obtained by Microwave-Hydrothermal. *Nanoscale Research Letters*, **2009**, 4, 1371-1379	5	56
1191	Nonlinear electrical behaviour of the SnO2.CoO.Ta2O5 system. *Journal of Materials Science Letters*, **1998**, 17, 577-579		56
1190	Dielectric spectroscopy analysis of CaCu3Ti4O12 polycrystalline systems. *Applied Physics Letters*, **2006**, 89, 191117	3.4	56
1189	Structure, ferroelectric/magnetoelectric properties and leakage current density of (Bi0.85Nd0.15)FeO3 thin films. *Journal of Alloys and Compounds*, **2011**, 509, 5326-5335	5.7	55
1188	Effect of niobium dopant on fatigue characteristics of BiFeO3 thin films grown on Pt electrodes. *Journal of Alloys and Compounds*, **2009**, 479, 274-279	5.7	55
1187	Density functional theory study on the structural and electronic properties of low index rutile surfaces for TiO2/SnO2/TiO2 and SnO2/TiO2/SnO2 composite systems. *Journal of Physical Chemistry A*, **2008**, 112, 8943-52	2.8	55
1186	Soft chemical deposition of BiFeO3 multiferroic thin films. *Applied Physics Letters*, **2007**, 90, 052906	3.4	55
1185	Comparison of blue pigments prepared by two different methods. *Journal of the European Ceramic Society*, **2002**, 22, 2911-2919	6	55

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1183	A new interpretation for the degradation phenomenon of ZnO varistors. *Journal of Materials Science*, **1992**, 27, 5325-5329	4.3	55
1182	Rietveld refinement and optical properties of SrWO4:Eu3+ powders prepared by the non-hydrolytic sol-gel method. *Journal of Rare Earths*, **2015**, 33, 113-128	3.7	54
1181	Microwave-assisted hydrothermal synthesis of nanocrystalline SnO powders. *Materials Letters*, **2008**, 62, 239-242	3.3	54
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