

# Jose Gonzalez-Calbet

## List of Publications by Citations

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370  
papers

10,646  
citations

47  
h-index

87  
g-index

390  
ext. papers

11,490  
ext. citations

4.9  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
370	Calcium phosphates as substitution of bone tissues. <i>Progress in Solid State Chemistry</i> , <b>2004</b> , 32, 1-31	8	810
369	Magnetic properties of ZnO nanoparticles. <i>Nano Letters</i> , <b>2007</b> , 7, 1489-94	11.5	373
368	Revisiting silica based ordered mesoporous materials: medical applications. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 26-31		293
367	Cobalt phosphate-modified barium-doped tantalum nitride nanorod photoanode with 1.5% solar energy conversion efficiency. <i>Nature Communications</i> , <b>2013</b> , 4, 2566	17.4	279
366	The dissolution and biological effects of silver nanoparticles in biological media. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 1634-1643	7.3	257
365	A unified in vitro evaluation for apatite-forming ability of bioactive glasses and their variants. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2015</b> , 26, 115	4.5	203
364	Interface double-exchange ferromagnetism in the Mn-Zn-O system: new class of biphasic magnetism. <i>Physical Review Letters</i> , <b>2005</b> , 94, 217206	7.4	201
363	Delamination of layered covalent organic frameworks. <i>Small</i> , <b>2011</b> , 7, 1207-11	11	199
362	Three-dimensional glass-derived scaffolds for bone tissue engineering: current trends and forecasts for the future. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 97, 514-35	5.4	199
361	Selective oxidative dehydrogenation of ethane on MoVTenbO mixed metal oxide catalysts. <i>Journal of Catalysis</i> , <b>2004</b> , 225, 428-438	7.3	188
360	The influence of proteins on the dispersability and cell-biological activity of silver nanoparticles. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 512-518		176
359	Bioactive glass-based materials with hierarchical porosity for medical applications: Review of recent advances. <i>Acta Biomaterialia</i> , <b>2016</b> , 42, 18-32	10.8	176
358	Tissue regeneration: A new property of mesoporous materials. <i>Solid State Sciences</i> , <b>2005</b> , 7, 983-989	3.4	172
357	Bioceramics and Scaffolds: A Winning Combination for Tissue Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2015</b> , 3, 202	5.8	161
356	Copper-containing mesoporous bioactive glass nanoparticles as multifunctional agent for bone regeneration. <i>Acta Biomaterialia</i> , <b>2017</b> , 55, 493-504	10.8	158
355	The ASnO <sub>3</sub> (A=Ca,Sr) perovskites. <i>Acta Crystallographica Section B: Structural Science</i> , <b>1986</b> , 42, 167-172		129
354	Structural elucidation of microporous and mesoporous catalysts and molecular sieves by high-resolution electron microscopy. <i>Accounts of Chemical Research</i> , <b>2001</b> , 34, 583-94	24.3	107

353	High strength bioactive glass-ceramic scaffolds for bone regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2009</b> , 20, 643-53	4.5	101
352	Adsorption and catalytic properties of MCM-22: The influence of zeolite structure. <i>Zeolites</i> , <b>1996</b> , 16, 7-14		92
351	Unknown aspects of self-assembly of PbS microscale superstructures. <i>ACS Nano</i> , <b>2012</b> , 6, 3800-12	16.7	90
350	A New Microporous Polymorph of Silica Isomorphous to Zeolite MCM-22. <i>Chemistry of Materials</i> , <b>1996</b> , 8, 2415-2417	9.6	86
349	Bioactivity in ordered mesoporous materials. <i>Solid State Sciences</i> , <b>2004</b> , 6, 1295-1300	3.4	82
348	Evidence of intrinsic magnetism in capped ZnO nanoparticles. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	78
347	Biocompatible glass-ceramic materials for bone substitution. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2008</b> , 19, 471-8	4.5	74
346	Phosphorous-doped MCM-41 as bioactive material. <i>Solid State Sciences</i> , <b>2005</b> , 7, 233-237	3.4	72
345	MoVTenbO multifunctional catalysts: Correlation between constituent crystalline phases and catalytic performance. <i>Solid State Sciences</i> , <b>2005</b> , 7, 507-519	3.4	71
344	Brownmillerite-type microdomains in the calcium lanthanum ferrites: $CaxLa_{1-x}FeO_{3-y}$ . <i>Journal of Solid State Chemistry</i> , <b>1983</b> , 49, 219-231	3.3	71
343	The $An+2BnB_2O_{3n+3}$ Family (B=B?=Co): Ordered Intergrowth between $2HBaCoO_3$ and $Ca_3Co_2O_6$ Structures. <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 145, 116-127	3.3	67
342	Phase transitions in $Sr_2Co_2O_5$ : A neutron thermodiffractometry study. <i>Solid State Communications</i> , <b>1987</b> , 62, 231-234	1.6	67
341	Nanostructure of Bioactive Sol-Gel Glasses and Organic-Inorganic Hybrids. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1874-1879	9.6	66
340	Mechanical properties and reliability of glass-ceramic foam scaffolds for bone repair. <i>Materials Letters</i> , <b>2014</b> , 118, 27-30	3.3	63
339	Direct Phasing in Electron Crystallography: Ab Initio Determination of a New MCM-22 Zeolite Structure. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 8947-8956	16.4	63
338	Biomaterials for orbital implants and ocular prostheses: overview and future prospects. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 1064-87	10.8	62
337	Influence of Fe and Al doping on the stabilization of the anatase phase in $TiO_2$ nanoparticles. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 10377-10385	7.1	56
336	Magnetic polarization of noble metals by Co nanoparticles in M-capped granular multilayers (M=Cu, Ag, and Au): An x-ray magnetic circular dichroism study. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	53

335	Influence of Sn and Cr Doping on Morphology and Luminescence of Thermally Grown Ga <sub>2</sub> O <sub>3</sub> Nanowires. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 3036-3045	3.8	52
334	Raman scattering in the high T <sub>c</sub> superconductors MBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . <i>Solid State Communications</i> , <b>1987</b> , 63, 839-841	1.6	52
333	Porous materials from clays by the gallery template approach: synthesis, characterization and adsorption properties. <i>Microporous and Mesoporous Materials</i> , <b>2004</b> , 73, 175-180	5.3	51
332	Production of Magnetic Nanoparticles in Imine Polymer Matrixes. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 3681-3688	3.688	51
331	In-Doped Gallium Oxide Micro- and Nanostructures: Morphology, Structure, and Luminescence Properties. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 3935-3943	3.8	50
330	Structural effects behind the low temperature nonconventional relaxor behavior of the Sr <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> bronze. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 12091-8	5.1	50
329	Ordering of Oxygen Vacancies and Magnetic Properties in La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> ( $\delta$ ). <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 148, 158-168	3.3	50
328	Modelling of the strength-porosity relationship in glass-ceramic foam scaffolds for bone repair. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 2663-2673	6	49
327	Cation Deficiency in (Ba, Sr)Co <sub>1-x</sub> O <sub>y</sub> Hexagonal Perovskite Related Oxides: New Members of the A <sub>n+2</sub> B <sub>n</sub> O <sub>3n+3</sub> Homologous Series. <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 142, 419-427	3.3	49
326	Room-Temperature Ferromagnetism in Reduced Rutile TiO <sub>2</sub> Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 2171-2176	6.4	48
325	Structure and electrochromism of two-dimensional octahedral molecular sieve hMWO. <i>Nature Communications</i> , <b>2019</b> , 10, 327	17.4	48
324	Urea-Melt Assisted Synthesis of Ni/NiO Nanoparticles Exhibiting Structural Disorder and Exchange Bias. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 6529-6541	9.6	47
323	Calcium phosphate nanoparticles with adjustable dispersability and crystallinity. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 2166		47
322	On the Nature and Structure of a New MoVTeO Crystalline Phase. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4416-4421	4.421	47
321	Incorporation of Mn <sup>2+</sup> single molecule magnets into mesoporous silica. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 3089-3095		46
320	Novel bioceramic-reinforced hydrogel for alveolar bone regeneration. <i>Acta Biomaterialia</i> , <b>2016</b> , 44, 97-100	10.8	45
319	Foam-like scaffolds for bone tissue engineering based on a novel couple of silicate-phosphate specular glasses: synthesis and properties. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2009</b> , 20, 2197-205	4.5	44
318	Ferromagnetism in Twinned Pt Nanoparticles Obtained by Laser Ablation. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 889-893	9.6	44

317	The Solid Solution BaFe <sub>12-2x</sub> CoxTixO <sub>19</sub> (0 ≤ x ≤ 6): Cationic Distribution by Neutron Diffraction. <i>Journal of Solid State Chemistry</i> , <b>1994</b> , 111, 229-237	3-3	43
316	The complex perovskite-related superstructure Ba <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> solved by HREM and CIP. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>1993</b> , 49, 27-35		43
315	Rhombohedral Sr <sub>2</sub> Co <sub>2</sub> O <sub>5</sub> : A new A <sub>2</sub> M <sub>2</sub> O <sub>5</sub> phase. <i>Materials Research Bulletin</i> , <b>1986</b> , 21, 429-439	5-1	43
314	Hybrid Enzyme-Polymeric Capsules/Mesoporous Silica Nanodevice for In Situ Cytotoxic Agent Generation. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4625-4633	15.6	42
313	A novel zwitterionic bioceramic with dual antibacterial capability. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 5639-5651	7-3	42
312	Glass-ceramic scaffolds containing silica mesophases for bone grafting and drug delivery. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2009</b> , 20, 809-20	4-5	42
311	Calcium phosphate nanoparticles as templates for nanocapsules prepared by the layer-by-layer technique. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3831		42
310	Perovskite threefold superlattices: A structure determination of the A <sub>3</sub> M <sub>3</sub> O <sub>8</sub> phase. <i>Materials Research Bulletin</i> , <b>1989</b> , 24, 423-430	5-1	42
309	Tunneling measurements of the energy gap in Bi <sub>4</sub> Ca <sub>3</sub> Sr <sub>3</sub> Cu <sub>4</sub> O <sub>16+δ</sub> . <i>Physical Review B</i> , <b>1988</b> , 38, 9295-9298	3-3	42
308	New Commensurate Phases in the Family (A <sub>3</sub> Co <sub>2</sub> O <sub>6</sub> ) <sub>n</sub> (A <sub>3</sub> Co <sub>3</sub> O <sub>9</sub> ) <sub>m</sub> (A = Ca, Sr, Ba). <i>Chemistry of Materials</i> , <b>2000</b> , 12, 25-32	9.6	40
307	HREM Study of the BaCoO <sub>3-y</sub> System: Evidence for a New 5H Phase. <i>Journal of Solid State Chemistry</i> , <b>1995</b> , 120, 327-331	3-3	40
306	Sur le système BaFeO <sub>3-x</sub> (0 ≤ x ≤ 1). <i>Journal of Solid State Chemistry</i> , <b>1989</b> , 80, 6-11	3-3	40
305	The Incorporation of Strontium to Improve Bone-Regeneration Ability of Mesoporous Bioactive Glasses. <i>Materials</i> , <b>2018</b> , 11,	3-5	39
304	Magnetism in nanoparticles: tuning properties with coatings. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 484006	1.8	38
303	Mesoporous bioactive glass as a multifunctional system for bone regeneration and controlled drug release. <i>Journal of Applied Biomaterials and Functional Materials</i> , <b>2012</b> , 10, 12-21	1.8	38
302	Microstructural Characterization of BaMnO <sub>3-y</sub> (0.08 ≤ y ≤ 0.12): Evidence for a New Polytype (21R). <i>Journal of Solid State Chemistry</i> , <b>1994</b> , 113, 78-87	3-3	38
301	Structural intergrowths in the calcium lanthanum ferrites:.. <i>Materials Research Bulletin</i> , <b>1983</b> , 18, 285-292	5-1	38
300	Supramolecular mechanisms in the synthesis of mesoporous magnetic nanospheres for hyperthermia. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 64-72		37

299	Ferromagnetism in Ba <sub>5</sub> Co <sub>5</sub> O <sub>14</sub> : A structural, transport, thermal, and magnetic study. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	37
298	Prediction of Novel BaMnO <sub>3-y</sub> (0 Journal of Solid State Chemistry, <b>1994</b> , 111, 202-207	3.3	37
297	Microstructural Investigation of Oxygen-Deficient BaMnO <sub>3-y</sub> Hexagonal Perovskites. <i>Journal of Solid State Chemistry</i> , <b>1993</b> , 106, 99-110	3.3	37
296	Environmental Conditions for Akaganeite Formation in Marine Atmosphere Mild Steel Corrosion Products and Its Characterization. <i>Corrosion</i> , <b>2015</b> , 71, 872-886	1.8	36
295	Bioceramics in ophthalmology. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 3372-97	10.8	36
294	Effects of Transition Metal Doping on the Growth and Properties of Rutile TiO <sub>2</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 1941-1947	3.8	36
293	Evidence of drug confinement into silica mesoporous matrices by STEM spherical aberration corrected microscopy. <i>Chemical Communications</i> , <b>2010</b> , 46, 2956-8	5.8	36
292	The porous structure of synthetic akaganeite. <i>Journal of Inorganic and Nuclear Chemistry</i> , <b>1981</b> , 43, 257-264		36
291	Laser-Induced Anatase-to-Rutile Transition in TiO <sub>2</sub> Nanoparticles: Promotion and Inhibition Effects by Fe and Al Doping and Achievement of Micropatterning. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 11965-11974	3.8	35
290	Microstructural Characterization of the LaNiO <sub>3-y</sub> System. <i>Journal of Solid State Chemistry</i> , <b>1994</b> , 110, 295-304	3.3	35
289	An electron diffraction study of new phases in the LaNiO <sub>3-x</sub> system. <i>Solid State Ionics</i> , <b>1989</b> , 32-33, 721-726		35
288	Structural intergrowth in the system (0 ≤ x ≤ 1): An electron microscopy study. <i>Journal of Solid State Chemistry</i> , <b>1984</b> , 55, 251-261	3.3	35
287	Ordering and Defects in BaMnO <sub>3-x</sub> (0.22 ≤ x ≤ 0.40). <i>Journal of Solid State Chemistry</i> , <b>1995</b> , 117, 21-29	3.3	34
286	Spherical iron oxide particles synthesized by an aerosol technique. <i>Journal of Materials Research</i> , <b>1993</b> , 8, 2694-2701	2.5	34
285	Nonstoichiometry in BaFeO <sub>3-x</sub> (0.35 Journal of Solid State Chemistry, <b>1990</b> , 86, 149-159	3.3	34
284	Structural Singularities in Ferroelectric Sr <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> . <i>Chemistry of Materials</i> , <b>2007</b> , 19, 3575-3580	9.6	33
283	The tubular crystal structure of the new phase Bi <sub>4</sub> Sr <sub>8</sub> Cu <sub>5</sub> O <sub>19+x</sub> related to the superconducting perovskites. <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 157, 525-530	1.3	33
282	A new perovskite-type compound: Ca <sub>4</sub> Fe <sub>2</sub> Ti <sub>2</sub> O <sub>11</sub> . <i>Journal of Solid State Chemistry</i> , <b>1987</b> , 68, 266-272	3.3	32

281	Resorbable glass-ceramic phosphate-based scaffolds for bone tissue engineering: synthesis, properties, and in vitro effects on human marrow stromal cells. <i>Journal of Biomaterials Applications</i> , <b>2011</b> , 26, 465-89	2.9	31
280	Crystallochemistry, textural properties, and in vitro biocompatibility of different silicon-doped calcium phosphates. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 78, 762-71	5.4	30
279	A new high temperature superconductor: Ba <sub>2</sub> SmCu <sub>3</sub> O <sub>9</sub> . <i>Solid State Communications</i> , <b>1987</b> , 63, 507-510	1.6	30
278	Feasibility and tailoring of bioactive glass-ceramic scaffolds with gradient of porosity for bone grafting. <i>Journal of Biomaterials Applications</i> , <b>2010</b> , 24, 693-712	2.9	29
277	Mn <sup>4+</sup> cation localization in La-rich La <sub>1-x</sub> CaxMnO <sub>y</sub> manganites. <i>Physical Review B</i> , <b>2000</b> , 62, 11328-11331	3.3	29
276	Synthesis of barium hexaferrite by pyrolysis of an aerosol. <i>Journal of Materials Research</i> , <b>1994</b> , 9, 712-716	1.5	29
275	A reassessment of Ba <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> . <i>Materials Research Bulletin</i> , <b>1987</b> , 22, 1413-1419	5.1	29
274	Composition-Structure-Property Relationships of 6H- and 12R-Type Hexagonal Ba(Mn,Ti)O <sub>3</sub> Perovskites. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1731-1742	9.6	28
273	Composite bone cements loaded with a bioactive and ferrimagnetic glass-ceramic. Part I: Morphological, mechanical and calorimetric characterization. <i>Journal of Biomaterials Applications</i> , <b>2014</b> , 29, 254-267	2.9	26
272	On the Incorporation of Buckminsterfullerene C <sub>60</sub> in the Supercages of Zeolite Y. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 10184-10190	3.4	26
271	Complex magnetic structures of the rare-earth cuprates R <sub>2</sub> Cu <sub>2</sub> O <sub>5</sub> (R=Y, Ho, Er, Yb, Tm). <i>Physical Review B</i> , <b>1991</b> , 44, 4716-4719	3.3	26
270	Structure determination of Ca <sub>4</sub> Fe <sub>2</sub> Ti <sub>2</sub> O <sub>11</sub> by electron microscopy and crystallographic image processing. <i>Journal of Solid State Chemistry</i> , <b>1988</b> , 77, 316-321	3.3	26
269	Microdomain formation in the Ca <sub>1-x</sub> FexMn <sub>1-x/3</sub> O <sub>3</sub> ferrites. <i>Journal of Solid State Chemistry</i> , <b>1985</b> , 57, 197-206	3.3	26
268	Surprises in the structural chemistry of zeolites. <i>Journal of Solid State Chemistry</i> , <b>1982</b> , 45, 368-380	3.3	26
267	Rust exfoliation on carbon steels in chloride-rich atmospheres. <i>Corrosion Reviews</i> , <b>2015</b> , 33, 263-282	3.2	25
266	Antioxidant mesoporous Ce-doped bioactive glass nanoparticles with anti-inflammatory and pro-osteogenic activities. <i>Materials Today Bio</i> , <b>2020</b> , 5, 100041	9.9	25
265	Composite Biomaterials Based on Sol-Gel Mesoporous Silicate Glasses: A Review. <i>Bioengineering</i> , <b>2017</b> , 4,	5.3	25
264	Uniform Surface Modification of 3D Bioglass(®)-Based Scaffolds with Mesoporous Silica Particles (MCM-41) for Enhancing Drug Delivery Capability. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2015</b> , 3, 177	5.8	25

263	Akaganeite polymer nanocomposites. <i>Polymer</i> , <b>2009</b> , 50, 1088-1094	3.9	25
262	Ab initio determination of heavy oxide perovskite related structures from precession electron diffraction data. <i>Ultramicroscopy</i> , <b>2007</b> , 107, 445-52	3.1	25
261	Synthesis, Structural Characterization, and Magnetic Study of Sr <sub>4</sub> Mn <sub>2</sub> CoO <sub>9</sub> . <i>Chemistry of Materials</i> , <b>2003</b> , 15, 3537-3542	9.6	25
260	Evolution of the microstructure and its influence on the magnetic properties of aerosol synthesized BaFe <sub>12</sub> O <sub>19</sub> particles. <i>Journal of Solid State Chemistry</i> , <b>1992</b> , 101, 265-274	3.3	25
259	Microdomains in the reduction of Ca <sub>2</sub> LaFe <sub>3</sub> O <sub>8+z</sub> . <i>Journal of Solid State Chemistry</i> , <b>1985</b> , 60, 320-331	3.3	25
258	Engineered porous scaffolds for periprosthetic infection prevention. <i>Materials Science and Engineering C</i> , <b>2016</b> , 68, 701-715	8.3	25
257	Injectable Thermosensitive Formulation Based on Polyurethane Hydrogel/Mesoporous Glasses for Sustained Co-Delivery of Functional Ions and Drugs. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	24
256	Structural and magnetic properties of Sr <sub>2</sub> RuO <sub>4</sub> -type oxides. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 179-180	2.8	24
255	Oxygen vacancy distribution in 6HBaFeO <sub>3</sub> (0.20 $\leq$ $\delta$ $\leq$ 0.35). <i>Journal of Solid State Chemistry</i> , <b>1989</b> , 83, 121-131	3.3	24
254	Structural aspects and Mössbauer resonance investigation of Ba <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> . <i>Journal of Solid State Chemistry</i> , <b>1990</b> , 88, 261-268	3.3	24
253	Blue-to-green single photons from InGaN/GaN dot-in-a-nanowire ordered arrays. <i>Europhysics Letters</i> , <b>2015</b> , 111, 24001	1.6	23
252	Hydrothermal Synthesis: A Suitable Route to Elaborate Nanomanganites. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1898-1905	9.6	23
251	Study of the Structural, Magnetic, and Electrical Properties of the 5H Hexagonal-Type Perovskite BaMn <sub>0.2</sub> Co <sub>0.8</sub> O <sub>2.80</sub> . <i>Chemistry of Materials</i> , <b>2008</b> , 20, 2818-2828	9.6	23
250	Gold/carbon nanocomposite foam. <i>Chemical Physics Letters</i> , <b>2006</b> , 420, 86-89	2.5	23
249	Characterization by TEM of Local Crystalline Changes during Irradiation Damage of Hydroxyapatite Compounds. <i>Journal of Solid State Chemistry</i> , <b>1995</b> , 116, 265-274	3.3	23
248	Band Gap Closing in La <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , <b>1993</b> , 102, 455-464	3.3	23
247	Antibacterial Bioglass-Derived Scaffolds: Innovative Synthesis Approach and Characterization. <i>International Journal of Applied Glass Science</i> , <b>2016</b> , 7, 238-247	1.8	23
246	Unexpected ferromagnetic ordering enhancement with crystallite size growth observed in La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> nanoparticles. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 113901	2.5	22



245	Shape-dependent catalytic activity of palladium nanoparticles embedded in SiO <sub>2</sub> and TiO <sub>2</sub> . <i>Catalysis Today</i> , <b>2012</b> , 180, 59-67	5.3	22
244	Local Structure of Rare Earth Niobates (RE <sub>3</sub> NbO <sub>7</sub> , RE = Y, Er, Yb, Lu) for Proton Conduction Applications?. <i>Fuel Cells</i> , <b>2013</b> , 13, 29-33	2.9	22
243	Synthesis and characterization of microporous titanosilicate ETS-10 obtained with different Ti sources. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 1225-1231	5.1	22
242	Specific heat, magnetic susceptibility and electrical resistivity measurements on LaNiO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>1993</b> , 191, 287-289	5.7	22
241	Thin films of magnesium oxide by modified CVD: A buffer layer for HTCS films. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 180, 57-60	1.3	22
240	Ordered rock-salt related nanoclusters in CaMnO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 8660-8	16.4	21
239	Magnetic properties of colossal magnetoresistive manganese oxides. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 5182	2.5	21
238	Crystal structure and microstructure of Nd <sub>1.8</sub> Sr <sub>0.2</sub> NiO <sub>3.72</sub> : A K <sub>2</sub> NiF <sub>4</sub> -type nickelate with monoclinic symmetry and ordered oxygen vacancies. <i>Physical Review B</i> , <b>1994</b> , 49, 8591-8599	3.3	21
237	Mo-containing tetragonal tungsten bronzes. The influence of tellurium on catalytic behaviour in selective oxidation of propene. <i>Journal of Catalysis</i> , <b>2009</b> , 265, 43-53	7.3	20
236	Co-Ti Substituted Hexagonal Ferrites for Magnetic Recording. <i>Journal of Solid State Chemistry</i> , <b>1995</b> , 115, 347-352	3.3	20
235	Synthesis, structure and gas sensitivity properties of pure and doped SnO <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , <b>1993</b> , 16, 379-383	8.5	20
234	Ferromagnetic layers in Y <sub>2</sub> Cu <sub>2</sub> O <sub>5</sub> : a neutron diffraction study. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1990</b> , 149, 319-327	2.3	20
233	Micro-CT based finite element models for elastic properties of glass-ceramic scaffolds. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2017</b> , 65, 248-255	4.1	19
232	An injectable paste of calcium phosphate nanorods, functionalized with nucleic acids, for cell transfection and gene silencing. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 6144		19
231	Ag <sub>2</sub> CuMnO <sub>4</sub> : A new silver copper oxide with delafossite structure. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 3883-3892	3.3	19
230	Synthesis, Structural and Magnetic Characterization of a New Scheelite Related Compound: Eu <sub>2</sub> Mo <sub>3</sub> O <sub>12</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 967-970	2.3	19
229	Wollastonite-containing bioceramic coatings on alumina substrates: Design considerations and mechanical modelling. <i>Ceramics International</i> , <b>2015</b> , 41, 11464-11470	5.1	18
228	Controlled synthesis of lithium doped tin dioxide nanoparticles by a polymeric precursor method and analysis of the resulting defect structure. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 6299-6308	13	18

227	Influence of composition, strain, and electric field anisotropy on different emission colors and recombination dynamics from InGaN nanodisks in pencil-like GaN nanowires. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	18
226	Crystallographically uniform arrays of ordered (In)GaN nanocolumns. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 035301	2.5	18
225	Structural and magnetic properties of granular Co-Pt multilayers with perpendicular magnetic anisotropy. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	18
224	Light-emitting-diodes based on ordered InGaN nanocolumns emitting in the blue, green and yellow spectral range. <i>Nanotechnology</i> , <b>2014</b> , 25, 435203	3.4	18
223	Structural Ordering and Ferromagnetism in La <sub>4</sub> Mn <sub>4</sub> O <sub>11</sub> . <i>Chemistry of Materials</i> , <b>2006</b> , 18, 5756-5763	9.6	18
222	Crystal Structure of the Ordered Double Perovskite, Sr <sub>2</sub> NiTeO <sub>6</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2005</b> , 631, 2127-2130	1.3	18
221	A high temperature study of the BaFeO <sub>3</sub> system. <i>Solid State Ionics</i> , <b>1993</b> , 63-65, 714-718	3.3	18
220	Key role of the expression of bone morphogenetic proteins in increasing the osteogenic activity of osteoblast-like cells exposed to shock waves and seeded on bioactive glass-ceramic scaffolds for bone tissue engineering. <i>Journal of Biomaterials Applications</i> , <b>2014</b> , 29, 728-66	2.9	17
219	Transmission electron microscopy evidence of spontaneous B-cation layered distribution in NaNb <sub>1-x</sub> Ta <sub>x</sub> O <sub>3</sub> . <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 9843-9	16.4	17
218	Study of the Defects in Sintered SnO <sub>2</sub> by High-Resolution Transmission Electron Microscopy and Cathodoluminescence. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 1544-1548	2.3	17
217	Structural characterization of nanosized silica spheres. <i>Solid State Sciences</i> , <b>2007</b> , 9, 351-356	3.4	17
216	Evolution of magnetic behaviour in oxygen deficient LaMnO <sub>3-δ</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 579-582	3.9	17
215	Planar defects in a precursor for phosphor materials: SrAl <sub>2</sub> B <sub>x</sub> O <sub>4</sub> (x = 0, 1). <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 1128-1131		17
214	Oxygen stoichiometry, critical temperature and pinning mechanisms in the 2212 BSCCO superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>1992</b> , 203, 223-230	1.3	17
213	Nonstoichiometry and structural intergrowth in the CaF <sub>x</sub> Mn <sub>1-x</sub> O <sub>3</sub> (0 ≤ x ≤ 1) system. <i>Journal of Solid State Chemistry</i> , <b>1987</b> , 71, 331-341	3.3	17
212	Improving optical performance of GaN nanowires grown by selective area growth homoepitaxy: Influence of substrate and nanowire dimensions. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 253109	3.4	17
211	Production and Physicochemical Characterization of Cu-Doped Silicate Bioceramic Scaffolds. <i>Materials</i> , <b>2018</b> , 11,	3.5	17
210	High resolution transmission electron microscopy: A key tool to understand drug release from mesoporous matrices. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 225, 399-410	5.3	16

209	Nanostructure and Bioactivity of Hybrid Aerogels. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 41-47	9.6	16
208	Recurrent intergrowths in the topotactic reduction process of LaBaCuCoO <sub>5.2</sub> . <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 5694-700	4.8	16
207	A New Orthorhombic Ba <sub>8</sub> Co <sub>7</sub> O <sub>21</sub> Phase: Polymorphism in the (Ba <sub>3</sub> Co <sub>2</sub> O <sub>6</sub> )(Ba <sub>3</sub> Co <sub>3</sub> O <sub>9</sub> ) <sub>n</sub> System. <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 151, 77-84	3.3	16
206	The deposition of Fe <sub>2</sub> O <sub>3</sub> by aerosol chemical vapor deposition. <i>Journal of Materials Research</i> , <b>1995</b> , 10, 1307-1311	2.5	16
205	Magnetic and structural properties of electrodeposited Co <sub>1-x</sub> P <sub>x</sub> amorphous ribbons. <i>Journal of Applied Physics</i> , <b>1991</b> , 69, 5454-5456	2.5	16
204	Electron microscopy and diffraction of barium-lanthanum ferrites: Ba <sub>x</sub> La <sub>1-x</sub> FeO <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>1988</b> , 74, 110-116	3.3	16
203	Synthesis and characterization of a new double perovskite: LaCaMnCoO <sub>6</sub> . <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1988</b> , 775-779		16
202	The controlled transition-metal doping of SnO <sub>2</sub> nanoparticles with tunable luminescence. <i>CrystEngComm</i> , <b>2014</b> , 16, 2969	3.3	15
201	Phase coexistence in NaNb <sub>1-x</sub> TaxO <sub>3</sub> materials with enhanced dielectric properties. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 14938		15
200	A new family of "clicked" estradiol-based low-molecular-weight gelators having highly symmetry-dependent gelation ability. <i>Chemical Communications</i> , <b>2011</b> , 47, 10281-3	5.8	15
199	The hydrothermal synthesis of tetragonal tungsten bronze-based catalysts for the selective oxidation of hydrocarbons. <i>Chemical Communications</i> , <b>2007</b> , 5040-2	5.8	15
198	Structural Chemistry and Magnetic Properties of the BaMn <sub>0.4</sub> Co <sub>0.6</sub> O <sub>2.83</sub> Hexagonal Perovskite. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 1503-1508	9.6	15
197	Ferromagnetism in a new manganese-related Brownmillerite: La <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>2.5</sub> . <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 4246-52	4.8	15
196	Magnetic field driving custom assembly in (FeCo) nanocrystals. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 033508	3.4	15
195	Microstructural characterization of Yba <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> thick films grown at very high rates and high temperatures by pulsed laser deposition. <i>Journal of Materials Research</i> , <b>2003</b> , 18, 956-964	2.5	15
194	Synthesis and Structural Characterization of Ba <sub>6</sub> Mn <sub>5</sub> O <sub>16</sub> : The First Layered Oxide Isostructural to Cs <sub>6</sub> Ni <sub>5</sub> F <sub>16</sub> . <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4006-4008	9.6	15
193	A comparative crystal chemical analysis of Ba <sub>2</sub> CoO <sub>4</sub> and BaCoO <sub>3</sub> . <i>Solid State Sciences</i> , <b>2000</b> , 2, 57-64	3.4	15
192	Anionic vacancy distribution in reduced barium-lanthanum ferrites. <i>Journal of Solid State Chemistry</i> , <b>1991</b> , 92, 110-115	3.3	15

- 191 Magnetic transitions in Nd<sub>2</sub>NiO<sub>4</sub>. *Physical Review B*, **1991**, 43, 10451-10454 3.3 15
- 190 Compositional variations and structural disorder in the BaMnO<sub>3</sub> system. *Solid State Ionics*, **1993**, 63-65, 614-619 3.3 15
- 189 Stair-like Metamagnetic Transition Induced by Controlled Introduction of Oxygen Deficiency in La<sub>0.5</sub>Ca<sub>0.5</sub>MnO<sub>3</sub>. *Chemistry of Materials*, **2012**, 24, 2519-2526 9.6 14
- 188 Use of Electron Microscopy and Microdiffraction for Zeolite Framework Comparison. *Journal of the American Chemical Society*, **1997**, 119, 11000-11005 16.4 14
- 187 Ordering of ionic Vacancies in the BaCoO<sub>2.94</sub> Hexagonal Related Perovskite. *Journal of Solid State Chemistry*, **1997**, 128, 130-136 3.3 14
- 186 The Oxycarbonate Ba<sub>3</sub>Co<sub>2</sub>O<sub>6</sub>(CO<sub>3</sub>)<sub>0.60</sub> with a 2H<sub>2</sub>BO<sub>3</sub>-Related Structure. *Chemistry of Materials*, **2000**, 12, 966-972 9.6 14
- 185 Crystal Structure of an Unusual Polytype: 7H-Ba<sub>7</sub>Nb<sub>4</sub>MoO<sub>20</sub>. *Chemistry of Materials*, **1999**, 11, 433-437 9.6 14
- 184 A New "123" Family: LnBa<sub>2</sub>Fe<sub>3</sub>O<sub>z</sub>. *Journal of Solid State Chemistry*, **1993**, 104, 232-238 3.3 14
- 183 Influence of the synthetic route on the BaFe<sub>12</sub>O<sub>19</sub> properties. *Solid State Ionics*, **1993**, 63-65, 207-212 3.3 14
- 182 Multifunctional Copper-Containing Mesoporous Glass Nanoparticles as Antibacterial and Proangiogenic Agents for Chronic Wounds. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 246 5.8 14
- 181 Relationship between the Magnetic Properties and the Formation of a ZnS/ZnO Interface in S-Capped ZnO Nanoparticles and ZnS/ZnO Thin Films. *Journal of Physical Chemistry C*, **2013**, 117, 12199-12209 3.8 13
- 180 Cr doped titania microtubes and microrods synthesized by a vapor-solid method. *CrystEngComm*, **2013**, 15, 5490 3.3 13
- 179 Structure-Composition-Property Relationships of 6H-BaTi<sub>1-y</sub>Co<sub>y</sub>O<sub>3</sub> [(0.1 ≤ y ≤ 0.4)]. *Chemistry of Materials*, **2011**, 23, 1050-1060 9.6 13
- 178 Stabilization of Cu<sup>II</sup> under High Pressure in Sr<sub>2</sub>CuGaO<sub>5</sub>. *Chemistry of Materials*, **2002**, 14, 2055-2062 9.6 13
- 177 Influence of the Oxidation on the Magnetic and Transport Properties in the (La<sub>1-x</sub>Ca<sub>x</sub>)<sub>z</sub>Mn<sub>z</sub>O<sub>y</sub> (0 ≤ x ≤ 1). *Chemistry of Materials*, **2000**, 12, 1060-1066 9.6 13
- 176 The Orthorhombic (Ba<sub>8</sub>Co<sub>6</sub>O<sub>18</sub>)(Ba<sub>8</sub>Co<sub>8</sub>O<sub>24</sub>)<sub>n</sub> Series, a New Family of Monodimensional Oxides. *Chemistry of Materials*, **2000**, 12, 2727-2735 9.6 13
- 175 Microstructural study of hexaferrite related compounds: Z(Ba<sub>3</sub>Cu<sub>2</sub>Fe<sub>24</sub>O<sub>41</sub>) and BaFe<sub>2</sub>O<sub>4</sub> phase. *Materials Research Bulletin*, **1990**, 25, 567-574 5.1 13
- 174 A thermogravimetric and electron microscopy study of the decomposition of akaganeite. *Thermochimica Acta*, **1982**, 58, 45-51 2.9 13

173	Mn-Rich BaMn <sub>1-x</sub> FexO <sub>3</sub> Perovskites Revisited: Structural, Magnetic, and Electrical Properties of Two New 6H? Polytypes. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 5272-5283	9.6	12
172	Structure-Property Relationships of the 10H Hexagonal-Type Perovskite BaMn <sub>0.4</sub> Fe <sub>0.6</sub> O <sub>2.73</sub> . <i>Chemistry of Materials</i> , <b>2007</b> , 19, 3425-3432	9.6	12
171	Influence of the Synthetic Pathway on the Properties of Oxygen-Deficient Manganese-Related Perovskites. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 3350-3355	2.3	12
170	Structural, Magnetic, and Electrical Behavior of Low Dimensional Ba <sub>2</sub> CoO <sub>4</sub> . <i>Chemistry of Materials</i> , <b>2006</b> , 18, 3898-3903	9.6	12
169	Influence of oxygen content on the cathodoluminescence of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . <i>Solid State Communications</i> , <b>1995</b> , 96, 45-48	1.6	12
168	Modulated Structure of La <sub>2</sub> NiO <sub>4</sub> +δs a Mechanism of Oxygen Excess Accommodation. <i>Journal of Solid State Chemistry</i> , <b>1996</b> , 125, 133-139	3.3	12
167	A New "123" Family: LnBa <sub>2</sub> Fe <sub>3</sub> O <sub>z</sub> , (II), Ln = Nd, Sm, and Eu. <i>Journal of Solid State Chemistry</i> , <b>1993</b> , 105, 363-370	3.3	12
166	Texture evolution of SnO <sub>2</sub> synthesized by pyrolysis of an aerosol. <i>Journal of Materials Research</i> , <b>1993</b> , 8, 138-144	2.5	12
165	Nickel-Doped Sodium Cobaltite 2D Nanomaterials: Synthesis and Electrocatalytic Properties. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4986-4994	9.6	11
164	Synthesis, Structural, Magnetic, and Electrical Study of BaSrCo <sub>2</sub> O <sub>5</sub> , a Highly Disordered Cubic Perovskite. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2045-2054	9.6	11
163	Tailored production of nanostructured metal/carbon foam by laser ablation of selected organometallic precursors. <i>Carbon</i> , <b>2010</b> , 48, 1807-1814	10.4	11
162	Magnetic structure and electronic study of complex oxygen-deficient manganites. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 9038-45	4.8	11
161	Room-temperature CMR in manganites with 50% Mn <sup>4+</sup> by generation of cationic vacancies. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 1748-1750	2.8	11
160	Phase diagram on La <sub>1-x</sub> CaxMnO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 196-197, 520-521.8	1.8	11
159	Weak ferromagnetism and magnetic interactions in La <sub>2</sub> NiO <sub>4</sub> . <i>Journal of Physics Condensed Matter</i> , <b>1992</b> , 4, 487-496	1.8	11
158	Magnetic properties of the Ca <sub>n</sub> Fe <sub>2</sub> Ti <sub>n-1</sub> O <sub>3n</sub> perovskite related series: An EPR study. <i>Journal of Solid State Chemistry</i> , <b>1992</b> , 98, 25-32	3.3	11
157	Microdomains in the CaFexMn <sub>1-x</sub> O <sub>3</sub> ferrites. <i>Journal of Solid State Chemistry</i> , <b>1986</b> , 65, 383-391	3.3	11
156	Ordered arrays of InGaN/GaN dot-in-a-wire nanostructures as single photon emitters <b>2015</b> ,		10

155	Perpendicular magnetic anisotropy in granular multilayers of CoPd alloyed nanoparticles. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	10
154	Critical Influence of Redox Pretreatments on the CO Oxidation Activity of BaFeO <sub>3</sub> Perovskites: An in-Depth Atomic-Scale Analysis by Aberration-Corrected and in Situ Diffraction Techniques. <i>ACS Catalysis</i> , <b>2017</b> , 7, 8653-8663	13.1	10
153	Structural Chemistry of a New 10H Hexagonal Perovskite: BaMn <sub>0.4</sub> Fe <sub>0.6</sub> O <sub>2.73</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 2129-2135	2.3	10
152	Influence of Na Content on the Chemical Stability of Nanometric Layered Na <sub>x</sub> RhO <sub>2</sub> (0.7 ≤ x ≤ 1.0). <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 4410-4416	2.3	10
151	Correlated Oxygen Diffusion in BIFEVOX. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 1606-1609	9.6	10
150	Oxygen content and microstructure in Bi <sub>4</sub> V <sub>2</sub> O <sub>11</sub> . <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 2320-2323		10
149	Non-stoichiometry and twinning in perovskite-related chromites. <i>Journal of the Less Common Metals</i> , <b>1990</b> , 157, 271-279		10
148	Lithium insertion in reduced tungsten oxides. <i>Journal of Solid State Chemistry</i> , <b>1988</b> , 76, 313-318	3.3	10
147	Novel multifunctional strontium-copper co-substituted mesoporous bioactive particles. <i>Materials Letters</i> , <b>2018</b> , 223, 37-40	3.3	9
146	Magnetoresistance and Ferromagnetism in Disordered LaCu <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> Perovskite. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 2100-2108	9.6	9
145	Synthesis of 4H-SrMnO <sub>3.0</sub> Nanoparticles from a Molecular Precursor and Their Topotactic Reduction Pathway Identified at Atomic Scale. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 2256-2265	9.6	9
144	Polytypism in the BaMn <sub>0.85</sub> Ti <sub>0.15</sub> O <sub>3</sub> System (0.07 ≤ x ≤ 0.34). Structural, Magnetic, and Electrical Characterization of the 9R-Polymorph. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4320-4327	9.6	9
143	New stabilized phases in the Sr/CaMnCoO system: structural-magnetic properties relationship. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 1620-1626		9
142	Strategies to stabilize new oxides in the Sr <sub>(n+1)</sub> (CoTa) <sub>(n)</sub> O <sub>(3n+1)</sub> Ruddlesden-Popper homologous series. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 910-5	4.8	9
141	Spray pyrolysis for high T <sub>c</sub> superconductors films. <i>Superconductor Science and Technology</i> , <b>2004</b> , 17, 1303-1310	3.1	9
140	Magnetic properties and pressure effects in Ca <sub>3</sub> Co <sub>2</sub> O <sub>6</sub> ferrimagnet. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 757-759	2.8	9
139	Structural and Magnetic Study of Sr <sub>3.3</sub> Ca <sub>0.7</sub> CoRh <sub>2</sub> O <sub>9</sub> : A New Partially Ordered Antiferromagnetic System. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4948-4954	9.6	9
138	Short-Range-Long-Range Order Transformation in the Bi <sub>4</sub> V <sub>2-x</sub> Fe <sub>x</sub> O <sub>11-y</sub> Series. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 96-102	9.6	9

137	Control of carbon impurities in 2212 superconducting phase. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 230, 407-411	1.3	9
136	A Mössbauer spectroscopy study of the $\text{CaFe}_x\text{Mn}_{1-x}\text{O}_3$ ferrites (0.2 $\leq x \leq 0.4$ ). <i>Journal of Solid State Chemistry</i> , <b>1988</b> , 73, 57-64	3.3	9
135	Influence of Doping and Controlled Sn Charge State on the Properties and Performance of $\text{SnO}_2$ Nanoparticles as Anodes in Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 18490-18501	3.8	9
134	$\text{SrMnO}_3$ Thermochromic Behavior Governed by Size-Dependent Structural Distortions. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3980-91	5.1	9
133	Outstanding Atomic Order in Ruddlesden-Popper Oxide Microcrystals. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 1397-1404	9.6	8
132	Room Temperature Ferroelectricity in $\text{Na}_{1-x}\text{Sr}_x/2\text{NbO}_3$ through the Introduction of Cationic Vacancies. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6957-6964	9.6	8
131	Ab initio x-ray absorption study of the manganese K-edge XANES spectra in Mn- and Zn-related hexagonal perovskites. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	8
130	Strategies to stabilize new members of the $(\text{A}_3\text{MBO}_6)_\alpha(\text{A}_3\text{B}_3\text{O}_0)_\beta$ homologous series in the Sr-Rh-O system: structure of the one-dimensional ( $\alpha = 3, \beta = 2$ ) $[\text{Sr}_{10}(\text{Sr}_{0.5}\text{Rh}_{1.5})\text{TP}(\text{Rh}_6)\text{Oh}]_{24}$ oxide. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 4973-9	4.8	8
129	A Hole-Attractor Model: Tailoring Manganese-Related Perovskites. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 2864-2866	9.6	8
128	Nonstoichiometry in the $\text{La}_{2-x}\text{Sr}_x\text{NiO}_{4+\delta}$ system. <i>Solid State Ionics</i> , <b>1993</b> , 66, 21-26	3.3	8
127	Antiferromagnetism in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_{4+\delta}$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 1273-1274	1.3	8
126	HREM study and structure analysis of the $\text{Z}(\text{Ba}_3\text{Cu}_2\text{Fe}_{24}\text{O}_{41})$ hexagonal ferrite. <i>Materials Research Bulletin</i> , <b>1990</b> , 25, 845-853	5.1	8
125	Meissner effect and critical fields in an inhomogeneous $\text{Ba}_2\text{HoCu}_3\text{O}_{7-x}$ high-Tc superconductor. <i>Physical Review B</i> , <b>1988</b> , 38, 2455-2459	3.3	8
124	Effect of lithium doping and precursors on the microstructural, surface electronic and luminescence properties of single crystalline microtubular tin oxide structures. <i>CrystEngComm</i> , <b>2017</b> , 19, 4321-4329	3.3	7
123	Structural and magnetic properties of granular CoPd multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 400, 248-252	2.8	7
122	High-Resolution Transmission Electron Microscopy (HRTEM) and X-ray Diffraction (XRD) Study of the Intergrowth in Zeolites ITQ-13/ITQ-34. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 9305-9308	3.8	7
121	Structural and magnetic properties of amorphous Co-W alloyed nanoparticles. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	7
120	Structural relationships between 2D and 3D $\text{Ba}_m\text{Mn}$ oxides. <i>Solid State Ionics</i> , <b>2004</b> , 172, 543-547	3.3	7

119	Synthesis and Microstructural Characterisation of Two New One-Dimensional Members of the (A <sub>3</sub> NiMnO <sub>6</sub> )(A <sub>3</sub> Mn <sub>3</sub> O <sub>9</sub> ) <sub>n</sub> Homologous Series (A = Ba, Sr). <i>European Journal of Inorganic Chemistry</i> , <b>2003</b> , 2003, 2419-2425	2.3	7
118	EPR and magnetization of La <sub>2</sub> NiO <sub>4</sub> . <i>Journal of Materials Research</i> , <b>1994</b> , 9, 176-179	2.5	7
117	Lower critical field and surface barrier in sintered Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ superconductor. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 2578-2583	2.5	7
116	Magnetic irreversibility in granular superconductors: AC susceptibility study. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 1843-1844	1.3	7
115	Influence of oxygen stoichiometry on T <sub>c</sub> and pinning force of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 2475-2476	1.3	7
114	Stability range and T <sub>c</sub> variation of superconducting Bi <sub>1.92</sub> Sr <sub>1.89</sub> Ca <sub>1.04</sub> Cu <sub>2</sub> O <sub>y</sub> . <i>Solid State Communications</i> , <b>1992</b> , 82, 95-100	1.6	7
113	$\mu$ SR study of magnetic order in La <sub>2</sub> NiO <sub>4</sub> + $\delta$ <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 941-943	2.8	7
112	Diamagnetism and critical currents of Bi <sub>2</sub> Ca <sub>2</sub> Sr <sub>2</sub> Cu <sub>2</sub> O samples. <i>Cryogenics</i> , <b>1989</b> , 29, 379-383	1.8	7
111	Microdomains in the CaFexMn <sub>1-x</sub> O <sub>3</sub> ferrites. III. 0.5 $\leq$ x $\leq$ 0.9. <i>Journal of Solid State Chemistry</i> , <b>1989</b> , 81, 1-8	3.3	7
110	Magnetic energy absorption in sintered YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> samples. <i>Physica C: Superconductivity and Its Applications</i> , <b>1988</b> , 153-155, 1533-1534	1.3	7
109	Trabecular coating on curved alumina substrates using a novel bioactive and strong glass-ceramic. <i>Biomedical Glasses</i> , <b>2015</b> , 1,	2.7	6
108	Magnetoresistance in La <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>2.5</sub> . <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 2709-15	4.8	6
107	Induction of Relaxor Behavior in Na <sub>1-x</sub> Sr <sub>x</sub> /2?x/2NbO <sub>3</sub> through the Introduction of Cationic Vacancies. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2193-2200	9.6	6
106	An Electron-Attractor Model: FM Nanoclusters Responsible for Magnetoresistant Behavior in Ca-Rich La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3398-3403	9.6	6
105	Influence of Mn <sup>2+</sup> in the magnetic behaviour of manganese related-perovskites. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 571-574	3.9	6
104	Bioactive organic-inorganic hybrid aerogels. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 847, 97		6
103	Structural-Magnetic Properties Relationship in a New Commensurate Material: Sr <sub>9</sub> Mn <sub>5</sub> Co <sub>2</sub> O <sub>21</sub> . <i>Chemistry of Materials</i> , <b>2004</b> , 16, 5408-5413	9.6	6
102	New Members of the (Ba <sub>8</sub> Co <sub>6</sub> O <sub>18</sub> )(Ba <sub>8</sub> Co <sub>8</sub> O <sub>24</sub> ) <sub>n</sub> Polysomatic Series. <i>Journal of Solid State Chemistry</i> , <b>2001</b> , 162, 322-326	3.3	6



101	Raman Scattering Study of Cation-Deficient $Ba_{1-x}(MoNb)_xO_{3-x}$ and Related Perovskite-like Oxides. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 2287-2291	9.6	6
100	Influence of the Deposition Parameters on $La_{1-x}Mn_xO_3$ ( $A = Ca, Sr$ ) Films Grown by Low-Pressure Aerosol Pyrolysis. <i>Chemistry of Materials</i> , <b>1999</b> , 11, 3521-3527	9.6	6
99	Phase transitions and oxygen content in the $Nd_{2-x}Sr_xNiO_{4+x}$ system?. <i>Solid State Ionics</i> , <b>1993</b> , 66, 219-223	3.3	6
98	Twins, electron-phonon coupling and fluctuations in $Y_{0.5}Sm_{0.5}Ba_2Cu_3O_{7-x}$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 157, 285-292	1.3	6
97	Irradiation-induced phase transition in $Ba_2Fe_2O_5$ . <i>Journal of Solid State Chemistry</i> , <b>1990</b> , 85, 15-22	3.3	6
96	The influence of the synthesis procedure in the obtention of untwinned superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1988</b> , 153-155, 357-358	1.3	6
95	Revisiting the Role of Vacancies in Manganese Related Perovskites. <i>Open Inorganic Chemistry Journal</i> , <b>2007</b> , 1, 37-46		6
94	HRTEM, SAED and XRD investigations of $La_4O_4[AsO_4]Br$ and $Pr_4O_4[AsO_4]Br$ . <i>Solid State Sciences</i> , <b>2011</b> , 13, 239-243	3.4	5
93	Structural Chemistry of an $n = 1$ Member of the Ruddlesden-Popper $Sr_{n+1}(Co_{0.5}Ta_{0.5})_nO_{3n+1}$ Homologous Series: $Sr_4CoTaO_8$ . <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 2068-2071	2.3	5
92	New Ordering Scheme Based on the Partial Occupation of Prismatic Sites in a Monodimensional $SrRhO_3$ System. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 3237-3239	9.6	5
91	Ferroelectric Behavior of $Pb(Mg_{1/3}Nb_{2/3})O_3$ (PMN) Obtained by the Sol-Gel Method. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 415-419	9.6	5
90	Determination of the Crystallite Size and Shape in Substituted Barium Hexaferrite by X-Ray Line Broadening Analysis. <i>Journal of Solid State Chemistry</i> , <b>1995</b> , 114, 534-538	3.3	5
89	Lithium insertion in reduced tungsten oxides. <i>Solid State Ionics</i> , <b>1989</b> , 32-33, 162-166	3.3	5
88	Mössbauer study of vacancy distribution in $CaMn_{1-x}FexO_3$ ( $x = 0.5, 0.6$ ). <i>Journal of Solid State Chemistry</i> , <b>1989</b> , 83, 150-157	3.3	5
87	Diamagnetism and electrical connectivity in an inhomogeneous $Ba_2YCu_3O_{7-x}$ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>1988</b> , 153-155, 389-390	1.3	5
86	Mössbauer emission study of $^{57}Co$ : $YBa_2Cu_3O_{7-x}$ HTSC. <i>European Physical Journal B</i> , <b>1988</b> , 73, 143-148	1.2	5
85	Understanding Internal Mechanisms To Obtain Nanomanganites by Hydrothermal Synthesis: The Particular Case of $4H-SrMnO_3$ . <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 2192-2203	3.5	4
84	Multicationic $Sr_4Mn_3O_{10}$ mesostructures: molten salt synthesis, analytical electron microscopy study and reactivity. <i>Materials Horizons</i> , <b>2018</b> , 5, 480-485	14.4	4

83	X-Ray Powder Diffraction as a Tool to Investigate the Ultrastructure of Nanoparticles. <i>Russian Physics Journal</i> , <b>2014</b> , 56, 1111-1115	0.7	4
82	Perpendicular magnetic anisotropy in Co/Bt granular multilayers. <i>Low Temperature Physics</i> , <b>2012</b> , 38, 835-838	0.7	4
81	Topotactic Migration of Cationic Vacancies in La <sub>1-x</sub> Mn <sub>1-x</sub> O <sub>3</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 3436-3440	2.3	4
80	Temperature dependence of the magnetic properties in LaMnO <sub>3</sub> +□. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08A702	2.5	4
79	Phase Transition Induced by High Pressure in a New LaBaCuGaO <sub>5</sub> Compound. <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 155, 372-380	3.3	4
78	Study of the effect of formamide and N,N-dimethylformamide on the synthesis of CdS nanoparticles in a SiO <sub>2</sub> matrix by sol-gel method. <i>Solid State Sciences</i> , <b>1999</b> , 1, 351-364	3.4	4
77	A HREM Study on La <sub>1/3</sub> Sr <sub>2/3</sub> FeO <sub>3</sub> □ <sub>1-x</sub> (0 ≤ x ≤ 1.0). <i>Journal of Solid State Chemistry</i> , <b>1996</b> , 124, 278-286	3.3	4
76	A HREM Study on La <sub>1/3</sub> Sr <sub>2/3</sub> FeO <sub>3</sub> □ <sub>1-x</sub> (0.15 ≤ x ≤ 0.33). <i>Journal of Solid State Chemistry</i> , <b>1996</b> , 125, 125-132	3.3	4
75	A New "123" Family: LnBa <sub>2</sub> Fe <sub>3</sub> O <sub>z</sub> . <i>Journal of Solid State Chemistry</i> , <b>1994</b> , 110, 142-149	3.3	4
74	Oxygen vacancy ordering in La <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub> -□. <i>Physica B: Condensed Matter</i> , <b>1992</b> , 180-181, 399-401	2.8	4
73	Topological excitations vs intergranular phase coherence in a HTSC Y <sub>0.5</sub> Sm <sub>0.5</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> ceramics. <i>European Physical Journal B</i> , <b>1992</b> , 87, 21-28	1.2	4
72	Y-Sm twinned and untwinned high temperature superconductors: a comparative study. <i>Cryogenics</i> , <b>1989</b> , 29, 350-354	1.8	4
71	Electron microscopy, neutron diffraction, and physical properties of bismuth strontium copper oxide (Bi <sub>4</sub> Sr <sub>8</sub> Cu <sub>5</sub> O <sub>19+y</sub> ). <i>Chemistry of Materials</i> , <b>1991</b> , 3, 844-852	9.6	4
70	Non-stoichiometry in lanthanide substituted Ba <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> + □. <i>Journal of the Less Common Metals</i> , <b>1991</b> , 169, 25-31		4
69	Structural, electrical and magnetic properties of Ba <sub>2</sub> ReCu <sub>3-x</sub> FexO <sub>7</sub> (Re=Y,Ho) high T <sub>c</sub> superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1988</b> , 153-155, 888-889	1.3	4
68	Sr-Containing Mesoporous Bioactive Glasses Bio-Functionalized with Recombinant ICOS-Fc: An In Vitro Study. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
67	Direct Atomic Observation in Powdered 4H-Ba <sub>0.8</sub> Sr <sub>0.2</sub> Mn <sub>0.4</sub> Fe <sub>0.6</sub> O <sub>2.7</sub> . <i>Chemistry of Materials</i> , <b>2013</b> , 25, 548-554	9.6	3
66	Atomically Resolved Short-Range Order at the Nanoscale in the Ca-Mn-O System. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 11753-11761	5.1	3

65	Hole and electron attractor model: An explanation of clustered states in manganites. <i>Progress in Solid State Chemistry</i> , <b>2010</b> , 38, 38-45	8	3
64	A Structural Study of the Solid Solution $\text{Eu}_2(\text{Mo}_{1-x}\text{W}_x)\text{O}_{12}$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2005</b> , 631, 1988-1990	1.3	3
63	Transition from the layered $\text{Sr}_2\text{RhO}_4$ to the monodimensional $\text{Sr}_4\text{RhO}_6$ phase. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 1444-9	4.8	3
62	Surface barrier and lower critical field of the powdered $\text{Pr}_{1.85}\text{Ce}_{0.15}\text{CuO}_{3.98}$ superconductor. <i>Physical Review B</i> , <b>1996</b> , 53, 5160-5162	3.3	3
61	Microstructural variations as a function of $x$ in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ . <i>Journal of Materials Research</i> , <b>1994</b> , 9, 1263-1271	2.5	3
60	Spin reorientations in $\text{Nd}_{1.8}\text{Sr}_{0.2}\text{NiO}_{3.8}$ . <i>Physica B: Condensed Matter</i> , <b>1992</b> , 180-181, 402-404	2.8	3
59	Synthesis of pure and Pd-doped $\text{SnO}_2$ particles. <i>Solid State Ionics</i> , <b>1993</b> , 63-65, 159-163	3.3	3
58	Influence of the synthetic method on the $\text{TiO}_2$ texture. <i>Solid State Ionics</i> , <b>1993</b> , 63-65, 201-206	3.3	3
57	Electron spin resonance of $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ . <i>Physica B: Condensed Matter</i> , <b>1993</b> , 190, 177-182	2.8	3
56	Influence of Sb and Pb substitution on the physical properties of the $\text{BiSrCaCuO}$ compounds. <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 863-864	1.3	3
55	On inhomogeneous superconductivity in Fe substituted $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 41-42	1.3	3
54	On the effects of helium absorption on the superconducting onset of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Solid State Communications</i> , <b>1989</b> , 69, 1073-1077	1.6	3
53	Low temperature magnetization of antiferromagnetic $\text{YBa}_2\text{Cu}_3\text{O}_6$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 83, 517-518	2.8	3
52	Short range order fluctuations and itinerant ferromagnetism in $\text{Ni}_3\text{Al}$ . <i>Solid State Communications</i> , <b>2015</b> , 201, 111-114	1.6	2
51	Unambiguous localization of titanium and iron cations in doped manganese hollandite nanowires. <i>Chemical Communications</i> , <b>2020</b> , 56, 4812-4815	5.8	2
50	Influence of Cation Substitution on the Complex Structure and Luminescent Properties of the $\text{ZnIn}_2\text{O}_{k+3}$ System. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6176-6185	9.6	2
49	Experimental Evidence of the Origin of Nanophase Separation in Low Hole-Doped Colossal Magnetoresistant Manganites. <i>Nano Letters</i> , <b>2016</b> , 16, 760-5	11.5	2
48	Structure-property relations in anion deficient 5H- and 3C-polytype $\text{Ba}(\text{Ti},\text{Co})\text{O}_3$ perovskites. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 15092		2

47	Morphology and magnetic properties of W-capped Co nanoparticles. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09B508	2.5	2
46	Magnetic field influence on nanocrystallization process of FeCoSiBCuNb alloys. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2006</b> , 203, 1271-1276	1.6	2
45	Variation of the magnetic properties of La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> as a function of the synthetic route. <i>Solid State Ionics</i> , <b>2001</b> , 141-142, 427-432	3.3	2
44	A SAED and HREM study of structural defects in brownmillerite, LaBa(x)Sr(1-x)CuGaO <sub>y</sub> related oxides. <i>Journal of Electron Microscopy</i> , <b>2002</b> , 51, 59-66		2
43	A New Structure Model for Ba <sub>3</sub> Nb <sub>2</sub> O <sub>8</sub> : A HREM Study. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 2485-2489	9.6	2
42	Synthesis of mixed oxides by decomposition of polymeric acids. <i>Solid State Ionics</i> , <b>1993</b> , 63-65, 60-65	3.3	2
41	Synthesis of cassiterite by pyrolysis of an aerosol. <i>Solid State Ionics</i> , <b>1993</b> , 63-65, 164-169	3.3	2
40	Thermal expansion and heat capacity of Bi <sub>4</sub> Ca <sub>3</sub> Sr <sub>3</sub> Cu <sub>4</sub> O <sub>16</sub> at low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 566-567	1.3	2
39	Evidence for a kosterlitz-thouless transition in high quality YBaCuO ceramics. <i>Journal of the Less Common Metals</i> , <b>1990</b> , 164-165, 160-165		2
38	High pressure synthesis of Ru <sub>2</sub> Cr mixed oxides and oxyhydroxides. <i>Journal of the Less Common Metals</i> , <b>1987</b> , 135, 105-111		2
37	High pressure synthesis of mixed Titanium-Chromium oxyhydroxides. <i>Materials Research Bulletin</i> , <b>1984</b> , 19, 1207-1213	5.1	2
36	Chlorine Insertion Promoting Iron Reduction in Ba-Fe Hexagonal Perovskites: Effect on the Structural and Magnetic Properties. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 6261-70	5.1	2
35	Magnon-mediated magnetoresistance in layered manganites. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	2
34	Novel insights into the magnetic behavior of non-stoichiometric LaMnO <sub>3</sub> nanoparticles. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 10361-10371	7.1	2
33	A shelf-life study of silica- and carbon-based mesoporous materials. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 101, 205-213	6.3	2
32	New insights into the luminescence properties of a Na stabilized Ga <sup>III</sup> oxide homologous series. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 2725-2731	7.1	1
31	Surprising resistivity decrease in manganites with constant electronic density. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 484002	1.8	1
30	Atomic-resolution studies of epitaxial strain release mechanisms in La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> /La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> superlattices. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	1

29	Chemical analysis at atomic resolution of isolated extended defects in an oxygen-deficient, complex manganese perovskite. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 1237-41	4.8	1
28	Poly(methyl methacrylate) coating of soft magnetic amorphous and crystalline Fe,Co-B nanoparticles by chemical reduction. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 1843-51	1.3	1
27	HREM and CIP Characterization of Complex Superstructures in Cu-Co Related Perovskites. <i>European Journal of Inorganic Chemistry</i> , <b>2003</b> , 2003, 2986-2991	2.3	1
26	Thermally activated demagnetization in (La <sub>0.97</sub> Ca <sub>0.03</sub> ) <sub>0.96</sub> Mn <sub>0.96</sub> O <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 290-291, 482-485	2.8	1
25	Crystallographic shear mechanisms in Rh one-dimensional oxides. <i>Solid State Sciences</i> , <b>2005</b> , 7, 173-177	3.4	1
24	Electron and/or hole doping in Pr <sub>2</sub> CuO <sub>4</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 811-812	1.3	1
23	Magnetic properties of Nd <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub> + $\delta$ oxides. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 1561-1562	1.3	1
22	Electron microscopy, electrical resistivity and magnetic properties of the new tubular phase Bi <sub>4</sub> Sr <sub>8</sub> Cu <sub>5</sub> O <sub>19+x</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 865-866	1.3	1
21	Hrem study and image matching of BaFe <sub>2</sub> O <sub>4</sub> . <i>Journal of the Less Common Metals</i> , <b>1990</b> , 166, 343-352		1
20	Thermal decomposition of mixed titanium-chromium oxyhydroxides.. <i>Thermochimica Acta</i> , <b>1985</b> , 85, 79-82	2.9	1
19	Polyelectrolyte-Coated Mesoporous Bioactive Glasses via Layer-by-Layer Deposition for Sustained Co-Delivery of Therapeutic Ions and Drugs. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	1
18	Silicon-Based Photonic Architectures from Hierarchically Porous Carbon Opals. <i>Particle and Particle Systems Characterization</i> , <b>2020</b> , 37, 1900396	3.1	1
17	Hydroxyapatites as Versatile Inorganic Hosts of Unusual Pentavalent Manganese Cations. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 10584-10593	9.6	1
16	Evaluation of the Nanodomain Structure in In-Zn-O Transparent Conductors. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
15	Exceptional Low-Temperature CO Oxidation over Noble-Metal-Free Iron-Doped Hollandites: An In-Depth Analysis of the Influence of the Defect Structure on Catalytic Performance.. <i>ACS Catalysis</i> , <b>2021</b> , 11, 15026-15039	13.1	0
14	Topotactic reduction in SrMnO <sub>3</sub> -nanoparticles followed by atomically-resolved microscopy <b>2016</b> , 137-138		
13	Complex structural ordering of the oxygen deficiency in LaCaMnO Ruddlesden-Popper phases. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2019</b> , 75, 644-651	1.7	
12	Epitaxial growth of luminescent Sn-Cr doped $\beta$ -Ga <sub>2</sub> O <sub>3</sub> nanowires. <i>Materials Research Society Symposia Proceedings</i> , <b>2014</b> , 1707, 44		

- 11 Structure and magnetic properties of 4H-SrMnO<sub>3</sub> (x=0.0 and 0.18) nanoparticles synthesized by thermal decomposition of appropriate precursor. *Materials Research Society Symposia Proceedings*, **2014**, 1708, 25
- 10 High Resolution Electron Microscopy: A Powerful Tool to Characterize Nanotubes. *Key Engineering Materials*, **2010**, 441, 95-119 0.4
- 9 Long and Short Ordering in Cationic Deficient Manganese Related Brownmillerites. *Microscopy and Microanalysis*, **2012**, 18, 69-70 0.5
- 8 Influence of Sr-doping in Ba<sub>7</sub>Rh<sub>6</sub>O<sub>18</sub>, a new one-dimensional oxide of the homologous series (A<sub>3</sub>Rh<sub>2</sub>O<sub>6</sub>)<sub>α</sub>(A<sub>3</sub>Rh<sub>3</sub>O<sub>9</sub>)<sub>β</sub>. *Journal of Electron Microscopy*, **2003**, 52, 41-7
- 7 Paramagnetic centers in Nd<sub>2-x</sub>Sr<sub>x</sub>NiO<sub>y</sub>: an EPR study. *Physica B: Condensed Matter*, **1995**, 210, 171-177 2.8
- 6 Order-disorder in T, T<sub>M</sub> and T\* phase: superconductors and related materials. *Microscopy Research and Technique*, **1995**, 30, 193-207 2.8
- 5 Fluctuations and critical fields in (Y Sm) HTSC. *Physica C: Superconductivity and Its Applications*, **1989**, 162-164, 723-724 1.3
- 4 Structural intergrowths in iron substituted Y<sub>1-x</sub>Ba<sub>x</sub>Cu<sub>2</sub>O<sub>7</sub>. *Journal of the Less Common Metals*, **1990**, 161, 159-164
- 3 Critical fields in Ba<sub>2</sub>SmCu<sub>3</sub>O<sub>7-x</sub> high T<sub>c</sub> superconductor from magnetization measurements. *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 1503-1504 1.3
- 2 Bioactive Glass-Ceramic/Mesoporous Silica Composite Scaffolds for Bone Grafting and Drug Release. *Ceramic Transactions*, 123-129 0.1
- 1 Accommodation of oxygen deficiency in La<sub>0.5</sub>Ca<sub>2.5</sub>Mn<sub>2</sub>O<sub>7-d</sub> and LaSr<sub>2</sub>Mn<sub>2</sub>O<sub>7-d</sub> Ruddlesden-Popper Manganites **2016**, 1098-1099