

Aivaras Kareiva

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

264
papers

3,970
citations

31
h-index

48
g-index

281
ext. papers

4,488
ext. citations

3.1
avg. IF

5.56
L-index

#	Paper	IF	Citations
264	The influence of annealing conditions on the Ca/P ratio and phase transformations in bulk calcium phosphates. <i>CrystEngComm</i> , 2022 , 24, 1166-1170	3.3	1
263	Investigation of substitution effects of the first four lanthanides (La, Ce, Pr and Nd) in yttrium iron garnet. <i>Journal of Alloys and Compounds</i> , 2022 , 903, 163978	5.7	0
262	Pressure induced phase transitions in Sm-doped BiFeO ₃ in the morphotropic phase boundary. <i>Materials Chemistry and Physics</i> , 2022 , 277, 125458	4.4	0
261	Influence of different diffusion rates of reaction reagents on the synthesis of yttrium aluminium garnet (YAG). <i>Journal of Mathematical Chemistry</i> , 2022 , 60, 172	2.1	
260	Solvothermal Synthesis of Calcium-Deficient Hydroxyapatite via Hydrolysis of Tricalcium Phosphate in Different Aqueous-Organic Media. <i>Crystals</i> , 2022 , 12, 253	2.3	5
259	A novel sol-gel synthesis of Ca ₃ Nb _{1.775} Li _{0.275} Ga _{2.95} O ₁₂ garnet. <i>Materials Letters</i> , 2022 , 316, 131990	3.3	1
258	Studying the application of fish-farming net-cleaning waste as fire-retardant for Scots pine (<i>Pinus sylvestris</i> L.) sapwood. <i>EFB Bioeconomy Journal</i> , 2022 , 2, 100025		0
257	Synthesis, structural and luminescent properties of Mn-doped calcium pyrophosphate (CaPO) ₂ polymorphs.. <i>Scientific Reports</i> , 2022 , 12, 7116	4.9	0
256	A Novel Synthetic Approach for the Preparation of Bulk Bi ₃ Fe ₅ O ₁₂ on the Y ₃ Ga ₅ O ₁₂ Core. <i>Integrated Ferroelectrics</i> , 2021 , 220, 71-79	0.8	
255	Chemical Solution Deposition of La-Substituted BiFe _{0.5} Sc _{0.5} O ₃ Perovskite Thin Films on Different Substrates. <i>Coatings</i> , 2021 , 11, 307	2.9	0
254	Aqueous Sol-Gel Synthesis of Different Iron Ferrites: From 3D to 2D. <i>Materials</i> , 2021 , 14,	3.5	2
253	Effect of Mn doping on hydrolysis of low-temperature synthesized metastable alpha-tricalcium phosphate. <i>Ceramics International</i> , 2021 , 47, 12078-12083	5.1	7
252	Approaching Highly Leaching-Resistant Fire-Retardant Wood by In Situ Polymerization with Melamine Formaldehyde Resin. <i>ACS Omega</i> , 2021 , 6, 12733-12745	3.9	8
251	A Novel One-Pot Synthesis and Characterization of Silk Fibroin/Calcium Sulfate Hemihydrate for Bone Regeneration. <i>Polymers</i> , 2021 , 13,	4.5	2
250	Evolution of the crystal structure and magnetic properties of Sm-doped BiFeO ₃ ceramics across the phase boundary region. <i>Ceramics International</i> , 2021 , 47, 5399-5406	5.1	7
249	Sol-gel synthesis and study of praseodymium substitution effects in yttrium aluminium garnet Y _{3-x} Pr _x Al ₅ O ₁₂ . <i>Optical Materials</i> , 2021 , 111, 110586	3.3	3
248	Reinspection of formation of BiFe _{1-x} Mn _x O ₃ solid solutions via low temperature sol-gel synthesis route. <i>Solid State Sciences</i> , 2021 , 111, 106458	3.4	1

247	Investigation of lanthanum substitution effects in yttrium aluminium garnet: importance of solid state NMR and EPR methods. <i>Journal of Sol-Gel Science and Technology</i> , 2021 , 97, 479-487	2.3	3
246	Thermally Induced Crystallization and Phase Evolution of Amorphous Calcium Phosphate Substituted with Divalent Cations Having Different Sizes. <i>Crystal Growth and Design</i> , 2021 , 21, 1242-1248	3.5	12
245	Study of gadolinium substitution effects in hexagonal yttrium manganite YMnO. <i>Scientific Reports</i> , 2021 , 11, 2875	4.9	3
244	Synthesis of $\text{Ca}_2\text{P}_2\text{O}_7$ as an Adsorbent for the Removal of Heavy Metals from Water. <i>Sustainability</i> , 2021 , 13, 7859	3.6	2
243	Dissolution-Precipitation Synthesis and Characterization of Zinc Whitlockite with Variable Metal Content. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 3586-3593	5.5	4
242	The Accessibility of the Cell Wall in Scots Pine (L.) Sapwood to Colloidal FeO Nanoparticles. <i>ACS Omega</i> , 2021 , 6, 21719-21729	3.9	2
241	Lanthanum and Manganese Co-Doping Effects on Structural, Morphological, and Magnetic Properties of Sol-Gel Derived BiFeO. <i>Materials</i> , 2021 , 14,	3.5	2
240	A Novel Sol-Gel $\text{Bi}_2\text{-xHf}_x\text{O}_3\text{+x/2}$ Radiopacifier for Mineral Trioxide Aggregates (MTA) as Dental Filling Materials. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7292	2.6	0
239	The influence of Fe ³⁺ doping on thermally induced crystallization and phase evolution of amorphous calcium phosphate. <i>CrystEngComm</i> , 2021 , 23, 4627-4637	3.3	5
238	Impact of Alkali Ions Codoping on Magnetic Properties of $\text{La}_{0.9}\text{A}_{0.1}\text{Mn}_{0.9}\text{Co}_{0.1}\text{O}_3$ (A: Li, K, Na) Powders and Ceramics. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8786	2.6	
237	Reinspection of low temperature synthesis of bulk $\text{Bi}_3\text{Fe}_5\text{O}_{12}$ (BIG): An aqueous sol-gel processing. <i>Materials Chemistry and Physics</i> , 2020 , 253, 123283	4.4	3
236	On the Reconstruction Peculiarities of Sol-Gel Derived $\text{Mg}_2\text{-xMx/Al}_1$ (M = Ca, Sr, Ba) Layered Double Hydroxides. <i>Crystals</i> , 2020 , 10, 470	2.3	5
235	Nanoscale ferroelectricity in pseudo-cubic sol-gel derived barium titanate - bismuth ferrite ($\text{BaTiO}_3\text{BiFeO}_3$) solid solutions. <i>Journal of Alloys and Compounds</i> , 2020 , 830, 154632	5.7	13
234	Alkaline earth metal substitution effects in sol-gel derived mixed metal oxides and $\text{Mg}_2\text{-xMx/Al}_1$ (M = Ca, Sr, Ba) layered double hydroxides. <i>Journal of the Australian Ceramic Society</i> , 2020 , 56, 1531-1541	1.5	1
233	Luminescence and vacuum ultraviolet excitation spectroscopy of samarium doped SrB_4O_7 . <i>Journal of Alloys and Compounds</i> , 2020 , 826, 154205	5.7	14
232	Sol-gel synthesis of calcium phosphate-based biomaterials: A review of environmentally benign, simple, and effective synthesis routes. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 94, 551-572	2.3	26
231	Zinc and chromium co-doped calcium hydroxyapatite: Sol-gel synthesis, characterization, behaviour in simulated body fluid and phase transformations. <i>Journal of Solid State Chemistry</i> , 2020 , 284, 121202	3.3	15
230	Fe and Zn co-substituted beta-tricalcium phosphate ($\beta\text{-TCP}$): Synthesis, structural, magnetic, mechanical and biological properties. <i>Materials Science and Engineering C</i> , 2020 , 112, 110918	8.3	8

229	Magnetic Properties of LaAMnO (A: Li, Na, K) Nanopowders and Nanoceramics. <i>Materials</i> , 2020 , 13,	3.5	3
228	Sol-gel synthesis, structural, morphological and magnetic properties of BaTiO ₃ BiMnO ₃ solid solutions. <i>Ceramics International</i> , 2020 , 46, 16459-16464	5.1	10
227	The In Vivo Toxicity and Antimicrobial Properties for Electrolyzed Oxidizing (EO) Water-Based Mouthwashes. <i>Materials</i> , 2020 , 13,	3.5	2
226	Cerium doping and cerium aluminium co-doping effects on the sol-gel processing of Y ₃ Fe ₅ O ₁₂ (YIG): Bulk and thin films. <i>Solid State Sciences</i> , 2020 , 99, 106065	3.4	1
225	Microstructural features of lyophilized adipose - A new concept to estimate the metabolic symptoms for obese patients. <i>Medical Hypotheses</i> , 2020 , 136, 109526	3.8	
224	Impact of Gadolinium on the Structure and Magnetic Properties of Nanocrystalline Powders of Iron Oxides Produced by the Extraction-Pyrolytic Method. <i>Materials</i> , 2020 , 13,	3.5	15
223	A Facile Synthesis and Characterization of Highly Crystalline Submicro-Sized BiFeO ₃ . <i>Materials</i> , 2020 , 13,	3.5	6
222	Formation of 2D calcium hydroxyapatite on stainless steel modified with a TiN sublayer. <i>Mendeleev Communications</i> , 2020 , 30, 512-515	1.9	4
221	Acrylate-gelatin-carbonated hydroxyapatite (cHAP) composites for dental bone-tissue applications. <i>Materials Advances</i> , 2020 , 1, 1675-1684	3.3	3
220	Heterogeneous Fenton Oxidation Using Magnesium Ferrite Nanoparticles for Ibuprofen Removal from Wastewater: Optimization and Kinetics Studies. <i>Journal of Nanomaterials</i> , 2020 , 2020, 1-9	3.2	11
219	Ga-Substituted Cobalt-Chromium Spinel as Ceramic Pigments Produced by Sol-Gel Synthesis. <i>Crystals</i> , 2020 , 10, 1078	2.3	3
218	The Synthesis and Characterization of Sol-Gel-Derived SrTiO ₃ -BiMnO ₃ Solid Solutions. <i>Crystals</i> , 2020 , 10, 1125	2.3	1
217	Synthesis, characterization and investigation of catalytic properties of metal-substituted (M = Mg ²⁺ , Zn ²⁺ and Na ⁺) calcium hydroxyapatite. <i>Journal of the Australian Ceramic Society</i> , 2020 , 56, 839-848	1.5	2
216	Formation of calcium hydroxyapatite with high concentration of homogeneously distributed silver. <i>Microporous and Mesoporous Materials</i> , 2020 , 293, 109806	5.3	5
215	Novel synthetic approach to the preparation of single-phase Bi _x La _{1-x} MnO ₃ solid solutions. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 93, 650-656	2.3	6
214	Lanthanide-Doping Effects on the Formation of Leucite KAlSi ₂ O ₆ . <i>Silicon</i> , 2020 , 12, 1213-1223	2.4	
213	Sol-gel synthesis and characterization of iron-containing garnets 2019 , 233-261		
212	Everything old is new again: a reinspection of solid-state method for the fabrication of high quality calcium hydroxyapatite bioceramics. <i>Mendeleev Communications</i> , 2019 , 29, 273-275	1.9	9

211	Characterization of Sol-Gel Derived Calcium Hydroxyapatite Coatings Fabricated on Patterned Rough Stainless Steel Surface. <i>Coatings</i> , 2019 , 9, 334	2.9	17
210	A novel synthetic approach for the calcium hydroxyapatite from the food products. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 91, 63-71	2.3	6
209	A novel synthetic approach to low-crystallinity calcium deficient hydroxyapatite. <i>Ceramics International</i> , 2019 , 45, 15620-15623	5.1	6
208	Lanthanide substitution effects in iron containing garnets. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 90, 209-213	2.3	3
207	Controllable synthesis of tricalcium phosphate (TCP) polymorphs by wet precipitation: Effect of washing procedure. <i>Ceramics International</i> , 2019 , 45, 12423-12428	5.1	21
206	Undoped and Eu Doped Magnesium-Aluminium Layered Double Hydroxides: Peculiarities of Intercalation of Organic Anions and Investigation of Luminescence Properties. <i>Materials</i> , 2019 , 12,	3.5	10
205	Eu ³⁺ - Doped Ln ₃ Al ₅ O ₁₂ (Ln = Er, Tm, Yb, Lu) garnets: Synthesis, characterization and investigation of structural and luminescence properties. <i>Journal of Luminescence</i> , 2019 , 212, 14-22	3.8	9
204	Determination of Trace Elements in Adipose Tissue of Obese People by Microwave-Assisted Digestion and Inductively Coupled Plasma Optical Emission Spectrometry. <i>Biological Trace Element Research</i> , 2019 , 189, 10-17	4.5	5
203	Temperature-Induced Structural Transformations in Undoped and Eu-Doped Ruddlesden-Popper Phases SrSnO and SrSnO: Relation to the Impedance and Luminescence Behaviors. <i>Inorganic Chemistry</i> , 2019 , 58, 11410-11419	5.1	5
202	Transition metal substitution effects in sol-gel derived Mg _{3-x} M _x /Al ₁ (M = Mn, Co, Ni, Cu, Zn) layered double hydroxides. <i>Materials Chemistry and Physics</i> , 2019 , 237, 121863	4.4	11
201	Cast iron corrosion protection with chemically modified Mg Al layered double hydroxides synthesized using a novel approach. <i>Surface and Coatings Technology</i> , 2019 , 375, 158-163	4.4	10
200	Sonication accelerated formation of Mg-Al-phosphate layered double hydroxide via sol-gel prepared mixed metal oxides. <i>Scientific Reports</i> , 2019 , 9, 10419	4.9	18
199	Ferromagnetic-like behavior of BiLaFeO-KBr nanocomposites. <i>Scientific Reports</i> , 2019 , 9, 10417	4.9	7
198	Dielectric properties of Bi-substituted LDHs synthesized by co-precipitation and sol-gel methods. <i>Materials Science-Poland</i> , 2019 , 37, 190-195	0.6	1
197	Sol-Gel Synthesis and Characterization of Coatings of Mg-Al Layered Double Hydroxides. <i>Materials</i> , 2019 , 12,	3.5	6
196	Wet-chemistry synthesis of shape-controlled Ag ₃ PO ₄ crystals and their 3D surface reconstruction from SEM imagery. <i>Powder Technology</i> , 2019 , 345, 26-34	5.2	6
195	Optical absorption and Raman studies of neutron-irradiated Gd ₃ Ga ₅ O ₁₂ single crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018 , 435, 306-312	1.2	13
194	Organic-free synthesis of nanostructured SnO ₂ thin films by chemical solution deposition. <i>Thin Solid Films</i> , 2018 , 649, 219-224	2.2	6

193	Sol-gel combustion synthesis of high-quality chromium-doped mixed-metal garnets Y ₃ Ga ₅ O ₁₂ and Gd ₃ Sc ₂ Ga ₃ O ₁₂ . <i>Journal of Alloys and Compounds</i> , 2018 , 739, 504-509	5.7	12
192	Eu ³⁺ -Doped Y ₃ Sm _x Al ₅ O ₁₂ garnet: synthesis and structural investigation. <i>New Journal of Chemistry</i> , 2018 , 42, 2278-2287	3.6	9
191	Sol-gel synthesis and characterization of hybrid inorganic-organic Tb(III)-terephthalate containing layered double hydroxides. <i>Optical Materials</i> , 2018 , 80, 186-196	3.3	16
190	Sol-gel synthesis, characterization and application of lanthanide-doped cobalt chromites (CoCr ₂ Ln _x O ₄ ; Ln = Tm ³⁺ and Yb ³⁺). <i>Journal of the European Ceramic Society</i> , 2018 , 38, 3361-3368	6	5
189	Bi-substituted Mg ₃ Al ₂ (OH) ₆ layered double hydroxides. <i>Journal of Sol-Gel Science and Technology</i> , 2018 , 85, 221-230	2.3	10
188	Feasibility evaluation of low-crystallinity β-tricalcium phosphate blocks as a bone substitute fabricated by a dissolution-precipitation reaction from β-tricalcium phosphate blocks. <i>Journal of Biomaterials Applications</i> , 2018 , 33, 259-270	2.9	6
187	On the Synthesis and Characterization of Lanthanide Metal-Organic Frameworks. <i>Ceramics</i> , 2018 , 1, 54-64	7	5
186	On the Samarium Substitution Effects in Y ₃ Sm _x Al ₅ O ₁₂ (x = 0.1B.0). <i>Journal of Electronic Materials</i> , 2018 , 47, 3951-3956	1.9	4
185	Sol-Gel Derived Lanthanide-Substituted Layered Double Hydroxides Mg ₃ /Al _{1-x} Ln _x . <i>Acta Physica Polonica A</i> , 2018 , 133, 884-886	0.6	3
184	Preparation by different methods and analytical characterization of gadolinium-doped ceria. <i>Chemical Papers</i> , 2018 , 72, 129-138	1.9	6
183	Induced neodymium luminescence in sol-gel derived layered double hydroxides. <i>Mendeleev Communications</i> , 2018 , 28, 493-494	1.9	10
182	Eu-Doped YNdAlO garnet: synthesis and structural investigation. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 3729-3737	3.6	13
181	Multiferroic Bi _{0.65} La _{0.35} Fe _{0.5} Sc _{0.5} O ₃ perovskite: Magnetic and thermodynamic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 429, 177-181	2.8	7
180	Metastable perovskite Bi _{1-x} La _x Fe _{0.5} Sc _{0.5} O ₃ phases in the range of the compositional crossover. <i>Phase Transitions</i> , 2017 , 90, 831-839	1.3	1
179	Structural, morphological, and magnetic characterization of bulk and thin films Y ₃ Al _{5-x} FexO ₁₂ (YAIG): From the perspective of aqueous sol-gel processing. <i>Chemical Engineering Communications</i> , 2017 , 204, 1037-1048	2.2	5
178	A comparative study of co-precipitation and sol-gel synthetic approaches to fabricate cerium-substituted MgAl layered double hydroxides with luminescence properties. <i>Applied Clay Science</i> , 2017 , 143, 175-183	5.2	44
177	Chemical solution deposition of pure and Gd-doped ceria thin films: Structural, morphological and optical properties. <i>Ceramics International</i> , 2017 , 43, 4280-4287	5.1	22
176	Tailoring bifunctional hybrid organic-inorganic nanoadsorbents by the choice of functional layer composition probed by adsorption of Cu ions. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 334-347	3	14

175	Reconstruction Effects on Surface Properties of Co/Mg/Al Layered Double Hydroxide. <i>Medziagotyra</i> , 2017 , 23,	0.4	5
174	Fabrication and investigation of high-quality glass-ceramic (GC)/polymethyl methacrylate (PMMA) composite for regenerative medicine. <i>RSC Advances</i> , 2017 , 7, 33558-33567	3.7	10
173	The influence of thermal processing on microstructure of sol-gel-derived SrSnO ₃ thin films. <i>Journal of Materials Science</i> , 2017 , 52, 12624-12634	4.3	3
172	Thermoanalytical (TG/DSC/EVGCMS) characterization of the lanthanide (Ho) iron garnet formation in sol-gel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 130, 1085-1094	4.1	8
171	A novel wet polymeric precipitation synthesis method for monophasic TCP. <i>Advanced Powder Technology</i> , 2017 , 28, 2325-2331	4.6	13
170	Magnetic nanosized rare earth iron garnets R ₃ Fe ₅ O ₁₂ : Sol-gel fabrication, characterization and reinspection. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 422, 425-433	2.8	33
169	Study of Eu ³⁺ and Tm ³⁺ substitution effects in sol-gel fabricated calcium hydroxyapatite. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 81, 261-267	2.3	12
168	Sol-Gel Synthesis and Characterization of Non-Substituted and Europium- Substituted Layered Double Hydroxides Mg ₃ /Al _{1-x} Eux. <i>Current Inorganic Chemistry</i> , 2017 , 6, 149-154		2
167	Sol-gel processing of calcium hydroxyapatite thin films on silicon nitride (Si ₃ N ₄) substrate. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 83, 268-274	2.3	7
166	Europium-enabled luminescent single crystal and bulk YAG and YGG for optical imaging. <i>Optical Materials</i> , 2016 , 60, 467-473	3.3	13
165	Fabrication of a composite of nanocrystalline carbonated hydroxyapatite (cHAP) with polylactic acid (PLA) and its surface topographical structuring with direct laser writing (DLW). <i>RSC Advances</i> , 2016 , 6, 72733-72743	3.7	14
164	Surface functionalization of ceramic membranes with 3-aminopropyl groups using the sol-gel method. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016 , 52, 55-60	0.9	8
163	The study of thermochromic and thermo-optical properties of sol-gel V _{1-x} W _x Si _y O ₂ films by response surface method. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 69, 151-155	5.3	4
162	Sol-gel derived porous and hydrophilic calcium hydroxyapatite coating on modified titanium substrate. <i>Surface and Coatings Technology</i> , 2016 , 307, 935-940	4.4	30
161	Structure and charge density of Ce doped gadolinium gallium garnet (GGG). <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 1920-1928	2.1	4
160	Luminescence properties of Ln ³⁺ doped (Ce ³⁺ , Eu ³⁺ , Tb ³⁺ or Er ³⁺) Mixed Metals Y ₃ (Al,In) ₅ O ₁₂ and Y ₃ Al _{4.75} Cr _{0.25} O ₁₂ garnets synthesized by Sol-gel method. <i>Materials Chemistry and Physics</i> , 2016 , 170, 229-238	4.4	12
159	Synthesis of nanocrystalline gadolinium doped ceria via sol-gel combustion and sol-gel synthesis routes. <i>Ceramics International</i> , 2016 , 42, 3972-3988	5.1	37
158	Photoluminescence of Pr ³⁺ -doped calcium and strontium stannates. <i>Journal of Luminescence</i> , 2016 , 172, 323-330	3.8	28

157	Environmentally benign fabrication of calcium hydroxyapatite using seashells collected in Baltic Sea countries: A comparative study. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 919-925	1	8
156	Sol-gel and sonochemically derived transition metal (Co, Ni, Cu, and Zn) chromites as pigments: A comparative study. <i>Ceramics International</i> , 2016 , 42, 9402-9412	5.1	20
155	Application of sol-gel method for the conservation of copper alloys. <i>Microchemical Journal</i> , 2016 , 124, 623-628	4.8	11
154	Formation peculiarities of iron (III) acetate: potential precursor for iron metal-organic frameworks (MOFs). <i>Lithuanian Journal of Physics</i> , 2016 , 56,	1.1	12
153	Controllable formation of high density SERS-active silver nanoprism layers on hybrid silica-APTES coatings. <i>Applied Surface Science</i> , 2016 , 377, 134-140	6.7	9
152	Characterization of sol-gel processing of calcium phosphate thin films on silicon substrate by FTIR spectroscopy. <i>Vibrational Spectroscopy</i> , 2016 , 85, 16-21	2.1	28
151	Sol-gel synthesis, phase composition, morphological and structural characterization of Ca ₁₀ (PO ₄) ₆ (OH) ₂ : XRD, FTIR, SEM, 3D SEM and solid-state NMR studies. <i>Journal of Molecular Structure</i> , 2016 , 1119, 1-11	3.4	12
150	Sol-gel synthesis, characterization and study of substitution effects in different gallium-containing garnets. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 76, 210-219	2.3	5
149	Sol-gel derived Tb ₃ Fe ₅ O ₁₂ and Y ₃ Fe ₅ O ₁₂ garnets: Synthesis, phase purity, micro-structure and improved design of morphology. <i>Journal of Alloys and Compounds</i> , 2015 , 647, 189-197	5.7	22
148	Synthesis and characterization of iron-doped/substituted calcium hydroxyapatite from seashells <i>Macoma balthica</i> (L.). <i>Advanced Powder Technology</i> , 2015 , 26, 1287-1293	4.6	23
147	Sol-gel synthesis, characterization and application of selected sub-microsized lanthanide (Ce, Pr, Nd, Tb) ferrites. <i>Dyes and Pigments</i> , 2015 , 118, 176-182	4.6	25
146	Computer modeling of synthesis of strontium stannates at high temperatures. <i>Journal of Mathematical Chemistry</i> , 2015 , 53, 1227-1238	2.1	1
145	On the synthesis of yttria-stabilized zirconia: a comparative study. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 76, 309-319	2.3	20
144	Solvothermal synthesis of Eu ³⁺ -doped holmium aluminum garnet. <i>Mendeleev Communications</i> , 2015 , 25, 384-385	1.9	3
143	Silver nanoprisms self-assembly on differently functionalized silica surface. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 77, 012006	0.4	3
142	Formation of Ca ₂ ZnNa phosphate bioceramic material in thermal processing of EDTA sol-gel precursor. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 121, 107-114	4.1	4
141	Historical hematite pigment: Synthesis by an aqueous sol-gel method, characterization and application for the colouration of ceramic glazes. <i>Ceramics International</i> , 2015 , 41, 4504-4513	5.1	34
140	Synthesis and characterization of sol-gel derived calcium hydroxyapatite thin films spin-coated on silicon substrate. <i>Ceramics International</i> , 2015 , 41, 7421-7428	5.1	20

139	Sol-gel derived coatings for the conservation of steel. <i>Processing and Application of Ceramics</i> , 2015 , 9, 81-89	1.4	4
138	Solid-state ¹ H and ³¹ P NMR and FTIR spectroscopy study of static and dynamic structures in sol-gel derived calcium hydroxyapatites. <i>Lithuanian Journal of Physics</i> , 2015 , 55,	1.1	9
137	Cr ³⁺ doped yttrium gallium garnet for phosphor-conversion light emitting diodes. <i>Lithuanian Journal of Physics</i> , 2015 , 55,	1.1	8
136	Effect of processing conditions on the crystallinity and structure of carbonated calcium hydroxyapatite (CHAp). <i>CrystEngComm</i> , 2014 , 16, 3950	3.3	88
135	Dependence of the ⁵ D ₀ - ⁷ F ₄ transitions of Eu ³⁺ on the local environment in phosphates and garnets. <i>Journal of Luminescence</i> , 2014 , 147, 290-294	3.8	54
134	Sol-gel synthesized far-red chromium-doped garnet phosphors for phosphor-conversion light-emitting diodes that meet the photomorphogenetic needs of plants. <i>Applied Optics</i> , 2014 , 53, 907-917	1.7	45
133	On the sol-gel fabrication and characterization of undoped and cerium-doped Sr ₄ Al ₁₄ O ₂₅ . <i>Journal of Alloys and Compounds</i> , 2014 , 614, 44-48	5.7	10
132	Sol-gel synthesis of calcium hydroxyapatite thin films on quartz substrate using dip-coating and spin-coating techniques. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 71, 437-446	2.3	14
131	Luminescence properties of Sm ³⁺ -doped alkaline earth ortho-stannates. <i>Optical Materials</i> , 2014 , 36, 1146-1152	3.3	26
130	Calcium hydroxyapatite/whitlockite obtained from dairy products: Simple, environmentally benign and green preparation technology. <i>Ceramics International</i> , 2014 , 40, 12717-12722	5.1	18
129	Preparation of Mg/Al layered double hydroxide (LDH) with structurally embedded molybdate ions and application as a catalyst for the synthesis of 2-adamantylidene(phenyl)amine Schiff base. <i>Polyhedron</i> , 2014 , 68, 340-345	2.7	20
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