

Branko Å^{1/2} MatoviÄ

List of Publications by Year in descending order

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182
papers

3,651
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159358

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all docs

186
docs citations

186
times ranked

4540
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties of silicon nitride-based ceramics and its use in structural applications at high temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 1314-1338.	2.6	174
2	Suppression of inherent ferromagnetism in Pr-doped CeO ₂ nanocrystals. <i>Nanoscale</i> , 2012, 4, 5469.	2.8	143
3	The size and strain effects on the Raman spectra of Ce _{1-x} Nd _x O ₂ (0 ≤ x ≤ 0.25) nanopowders. <i>Solid State Communications</i> , 2006, 137, 387-390.	0.9	137
4	Anti-cancer effects of cerium oxide nanoparticles and its intracellular redox activity. <i>Chemico-Biological Interactions</i> , 2015, 232, 85-93.	1.7	132
5	Bacterial cellulose-lignin composite hydrogel as a promising agent in chronic wound healing. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 494-503.	3.6	115
6	Dense and near-net-shape fabrication of Si ₃ N ₄ ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 500, 130-149.	2.6	106
7	Nanoporous activated carbon cloth as a versatile material for hydrogen adsorption, selective gas separation and electrochemical energy storage. <i>Nano Energy</i> , 2017, 40, 49-64.	8.2	101
8	Synthesis and characterization of nanocrystalline hexagonal boron nitride powders: XRD and luminescence properties. <i>Ceramics International</i> , 2016, 42, 16655-16658.	2.3	75
9	Synthesis and surface characterization of ordered mesoporous silica SBA-15. <i>Materials Chemistry and Physics</i> , 2010, 124, 1248-1252.	2.0	67
10	Ce _{1-x} Y(Nd) _x O ₂ nanopowders: potential materials for intermediate temperature solid oxide fuel cells. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S2061-S2068.	0.7	65
11	Infrared study of laser synthesized anatase TiO ₂ nanopowders. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 1415-1420.	1.3	58
12	Ouzo effect – New simple nanoemulsion method for synthesis of strontium hydroxyapatite nanospheres. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1293-1298.	2.8	46
13	Toughening of SiC matrix with in-situ created TiB ₂ particles. <i>Ceramics International</i> , 2010, 36, 2181-2188.	2.3	44
14	Influence of diatomite microstructure on its adsorption capacity for Pb(II). <i>Science of Sintering</i> , 2009, 41, 309-317.	0.5	43
15	Densification of Si ₃ N ₄ with LiYO ₂ Additive. <i>Journal of the American Ceramic Society</i> , 2004, 87, 546-549.	1.9	42
16	Adsorption of malathion on mesoporous monetite obtained by mechanochemical treatment of brushite. <i>RSC Advances</i> , 2016, 6, 12219-12225.	1.7	41
17	Modified glycine nitrate procedure (MGNP) for the synthesis of SOFC nanopowders. <i>Ceramics International</i> , 2007, 33, 89-93.	2.3	40
18	Valence state dependent room-temperature ferromagnetism in Fe-doped ceria nanocrystals. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	40

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19	Temperature-dependent Raman study of Ce _{0.75} Nd _{0.25} O ₂ nanocrystals. Applied Physics Letters, 2007, 91, 203118.	1.5	38
20	Photocatalytic degradation of metoprolol in water suspension of TiO ₂ nanopowders prepared using sol-gel route. Journal of Sol-Gel Science and Technology, 2012, 61, 390-402.	1.1	38
21	SBA-15 templated mesoporous carbons for 2,4-dichlorophenoxyacetic acid removal. Chemical Engineering Journal, 2013, 220, 276-283.	6.6	38
22	Structural, textural and adsorption characteristics of bentonite-based composite. Microporous and Mesoporous Materials, 2014, 195, 67-74.	2.2	38
23	Changes of hydrogen storage properties of MgH ₂ induced by boron ion irradiation. International Journal of Hydrogen Energy, 2011, 36, 1184-1189.	3.8	37
24	Pressureless sintering of silicon nitride with lithia and yttria. Journal of the European Ceramic Society, 2004, 24, 3395-3398.	2.8	36
25	Synthesis and characterization of tungsten carbide fine powders. Ceramics International, 2015, 41, 1271-1277.	2.3	35
26	Synthesis and characterization of ceria based nanometric powders. Journal of Power Sources, 2009, 193, 146-149.	4.0	34
27	Room-temperature synthesis of nanometric Bi ₂ O ₃ . Materials Letters, 2010, 64, 2247-2250.	1.3	34
28	Preparation of ZrO ₂ and ZrO ₂ /SiC powders by carbothermal reduction of ZrSiO ₄ . Journal of Alloys and Compounds, 2011, 509, 2203-2215.	2.8	34
29	Structural destabilisation of MgH ₂ obtained by heavy ion irradiation. International Journal of Hydrogen Energy, 2009, 34, 7275-7282.	3.8	32
30	Photocatalytic degradation of alprazolam in water suspension of brookite type TiO ₂ nanopowders prepared using hydrothermal route. Materials Chemistry and Physics, 2015, 163, 518-528.	2.0	32
31	Structure prediction of aluminum nitride combining data mining and quantum mechanics. CrystEngComm, 2017, 19, 5259-5268.	1.3	31
32	Comprehensive characterization of BiFeO ₃ powder synthesized by the hydrothermal procedure. Processing and Application of Ceramics, 2016, 10, 201-208.	0.4	31
33	Doped and Co-doped CeO ₂ : Preparation and properties. Ceramics International, 2008, 34, 2001-2006.	2.3	30
34	Porous ceramic monoliths based on diatomite. Ceramics International, 2015, 41, 9745-9752.	2.3	30
35	The effect of Y ₂ O ₃ addition on thermal shock behavior of magnesium aluminate spinel. Science of Sintering, 2009, 41, 75-81.	0.5	30
36	Determination of thermal shock resistance of silicon carbide/cordierite composite material using nondestructive test methods. Journal of the European Ceramic Society, 2008, 28, 1275-1278.	2.8	28

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37	Synthesis and characterization of Pr ₆ O ₁₁ nanopowders. <i>Ceramics International</i> , 2013, 39, 3151-3155.	2.3	28
38	Electrical and microstructural properties of Yb-doped CeO ₂ . <i>Journal of Asian Ceramic Societies</i> , 2014, 2, 117-122.	1.0	27
39	Surface characterization of mesoporous carbon cryogel and its application in arsenic (III) adsorption from aqueous solutions. <i>Microporous and Mesoporous Materials</i> , 2015, 201, 271-276.	2.2	27
40	Behavior of silicon carbide/cordierite composite material after cyclic thermal shock. <i>Ceramics International</i> , 2009, 35, 1077-1081.	2.3	25
41	ZnO/ZnS (hetero)structures: <i>ab initio</i> investigations of polytypic behavior of mixed ZnO and ZnS compounds. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 628-642.	0.5	25
42	Effect of β -Si ₃ N ₄ seeds on densification and fracture toughness of silicon nitride. <i>Ceramics International</i> , 2006, 32, 303-307.	2.3	24
43	Fabrication of SiC by carbothermal-reduction reactions of diatomaceous earth. <i>Journal of Materials Science</i> , 2007, 42, 5448-5451.	1.7	24
44	Synthesis and characterization of hafnium carbide fine powders. <i>Ceramics International</i> , 2013, 39, 719-723.	2.3	23
45	Few-step synthesis, thermal purification and structural characterization of porous boron nitride nanoplatelets. <i>Materials and Design</i> , 2016, 110, 540-548.	3.3	23
46	Characterization of B ₄ C-SiC ceramic composites prepared by ultra-high pressure sintering. <i>Journal of the European Ceramic Society</i> , 2021, 41, 4755-4760.	2.8	23
47	New manufacturing process for nanometric SiC. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1901-1906.	2.8	22
48	Synthesis and characterization of nanometric yttrium-doped hafnia solid solutions. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1971-1976.	2.8	22
49	Boron Nitride Nanotubes Versus Carbon Nanotubes: A Thermal Stability and Oxidation Behavior Study. <i>Nanomaterials</i> , 2020, 10, 2435.	1.9	22
50	Synthesis of silver doped hydroxyapatite nanospheres using Ouzo effect. <i>Processing and Application of Ceramics</i> , 2016, 10, 169-174.	0.4	22
51	Implementation of image analysis on thermal shock and cavitation resistance testing of refractory concrete. <i>Journal of the European Ceramic Society</i> , 2010, 30, 3303-3309.	2.8	21
52	Characterization of nanometric multidoped ceria powders. <i>Journal of Alloys and Compounds</i> , 2010, 507, 279-285.	2.8	21
53	Nanocrystalline solid solution CeO ₂ -Bi ₂ O ₃ . <i>Journal of the European Ceramic Society</i> , 2012, 32, 1983-1987.	2.8	21
54	Sol-gel synthesis and characterization of iron doped mullite. <i>Journal of Alloys and Compounds</i> , 2014, 612, 259-264.	2.8	20

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55	Theoretical and Experimental Study of Structural Phases in CoMoO ₄ . Crystal Research and Technology, 2017, 52, 1700069.	0.6	20
56	Barium Sulfide under Pressure: Discovery of Metastable Polymorphs and Investigation of Electronic Properties on ab Initio Level. Inorganic Chemistry, 2017, 56, 10644-10654.	1.9	20
57	Structural and photocatalytic examination of CoMoO ₄ nanopowders synthesized by GNP method. Materials Research Bulletin, 2018, 98, 111-120.	2.7	20
58	Thermal shock damage characterization of refractory composites. Ceramics International, 2008, 34, 1925-1929.	2.3	19
59	Spark plasma sintering of ZrC-SiC ceramics with LiYO ₂ additive. Ceramics International, 2013, 39, 5467-5476.	2.3	19
60	Studies on structural, morphological and electrical properties of Ce _{1-x} Er _x O ₂ (x=0.05-0.20) as solid electrolyte for IT-SOFC. Materials Chemistry and Physics, 2015, 153, 422-431.	2.0	19
61	Structural dependent room-temperature ferromagnetism in yttrium doped HfO ₂ nanoparticles. Ceramics International, 2015, 41, 6970-6977.	2.3	19
62	A novel reduction-oxidation synthetic route for hafnia. Ceramics International, 2016, 42, 615-620.	2.3	19
63	Ab initio investigations of structural, electronic and mechanical properties of aluminum nitride at standard and elevated pressures. Journal of Physics and Chemistry of Solids, 2018, 122, 94-103.	1.9	19
64	High coercivity of $\hat{1}^3$ -Fe ₂ O ₃ nanoparticles obtained by a mechanochemically activated solid-state displacement reaction. Scripta Materialia, 2007, 56, 883-886.	2.6	18
65	Effect of post-sintering heat treatment on mechanical properties and microstructure of SiC-TiB ₂ composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 2034-2041.	2.6	18
66	Synthesis and characterization of Fe ³⁺ doped titanium dioxide nanopowders. Ceramics International, 2012, 38, 635-640.	2.3	18
67	Synthesis and densification of single-phase mayenite (C12A7). Journal of the European Ceramic Society, 2016, 36, 4237-4241.	2.8	18
68	Monolithic nanocrystalline SiC ceramics. Journal of the European Ceramic Society, 2016, 36, 3005-3010.	2.8	18
69	Ultra-high pressure densification and properties of nanostructured SiC. Materials Letters, 2016, 164, 68-71.	1.3	18
70	Dielectric and ferroelectric properties of Ho-doped BiFeO ₃ nanopowders across the structural phase transition. Ceramics International, 2017, 43, 16531-16538.	2.3	18
71	Investigation of the structure and the magnetic behavior of nanostructure Ca _{1-x} Gd _x MnO ₃ (x=0.05; 0.1); T _j ETQq1.1 0.784314 rgBT / O	2.3	17
72	Prediction of possible CaMnO ₃ modifications using an ab initio minimization data-mining approach. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 809-819.	0.5	17

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73	Sintering and electrical properties of Ce _{1-x} Bi _x O ₂ solid solution. Journal of Alloys and Compounds, 2014, 617, 563-568.	2.8	17
74	Tungsten Disilicide (WSi ₂): Synthesis, Characterization, and Prediction of New Crystal Structures. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 2088-2094.	0.6	17
75	Raman study of Ba-doped ceria nanopowders. Science of Sintering, 2007, 39, 281-286.	0.5	16
76	Nanopowders properties and sintering of CaMnO ₃ solid solutions. Journal of Alloys and Compounds, 2008, 463, 282-287.	2.8	16
77	Pressureless sintering of internally synthesized SiC-TiB ₂ composites with improved fracture strength. Journal of Alloys and Compounds, 2011, 509, 990-996.	2.8	16
78	Synthesis and characterization of the SBA-15/carbon cryogel nanocomposites. Ceramics International, 2012, 38, 4875-4883.	2.3	16
79	Morpho-structural, adsorption and electrochemical characteristics of serpentinite. Separation and Purification Technology, 2016, 163, 72-78.	3.9	16
80	Preparation of basalt-based glass ceramics. Journal of the Serbian Chemical Society, 2003, 68, 505-510.	0.4	16
81	Glass-ceramics obtained by the crystallization of basalt. Science of Sintering, 2010, 42, 383-388.	0.5	16
82	Electrical properties of multidoped ceria. Ceramics International, 2014, 40, 9285-9292.	2.3	15
83	Comparison of macromolecular interactions in the cell walls of hardwood, softwood and maize by fluorescence and FTIR spectroscopy, differential polarization laser scanning microscopy and X-ray diffraction. Wood Science and Technology, 2016, 50, 547-566.	1.4	15
84	In-situ immobilization of Sr radioactive isotope using nanocrystalline hydroxyapatite. Ceramics International, 2018, 44, 1771-1777.	2.3	15
85	Synthesis, characterization and sintering of Gd ₂ Hf ₂ O ₇ powders synthesized by solid state displacement reaction at low temperature. Ceramics International, 2018, 44, 16972-16976.	2.3	15
86	Kinetics of the $\hat{I}\pm\hat{I}^2$ phase transformation in seeded Si ₃ N ₄ ceramics. Science of Sintering, 2008, 40, 263-270.	0.5	15
87	Preparation, sintering and electrical properties of nano-grained multidoped ceria. Ceramics International, 2010, 36, 121-127.	2.3	14
88	Electrical characterization of multidoped ceria ceramics. Ceramics International, 2013, 39, 1249-1255.	2.3	14
89	Effects of sintering on the structural, microstructural and magnetic properties of nanoparticle manganite Ca _{1-x} Gd _x MnO ₃ (x=0.05, 0.1, 0.15, 0.2). Ceramics International, 2015, 41, 14964-14972.	2.3	14
90	Crystal Structure Prediction of the Novel Cr ₂ SiN ₄ Compound via Global Optimization, Data Mining, and the PCAE Method. Crystals, 2021, 11, 891.	1.0	14

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91	Fabrication of SiC by carbothermal-reduction reactions of mountain leather asbestos. Journal of Alloys and Compounds, 2008, 464, 270-276.	2.8	13
92	Thermal stability of Ce _{1-x} Bi _x O ₂ (x= 0.1-0.5) solid solution. Journal of Alloys and Compounds, 2013, 578, 26-31.	2.8	13
93	Investigation of surface defect states in CeO _{2-y} nanocrystals by Scanning tunneling microscopy/spectroscopy and ellipsometry. Journal of Applied Physics, 2014, 116, .	1.1	13
94	Preparation of Porous Silica Ceramics Using the Wood Template. Materials and Manufacturing Processes, 2009, 24, 1109-1113.	2.7	12
95	Synthesis and characterization of the nanometric Pr-doped ceria. Journal of Alloys and Compounds, 2010, 505, 235-238.	2.8	12
96	Extensive feedwater quality control and monitoring concept for preventing chemistry-related failures of boiler tubes in a subcritical thermal power plant. Applied Thermal Engineering, 2013, 59, 683-694.	3.0	12
97	Biomimetic synthesis and properties of cellular SiC. Ceramics International, 2014, 40, 3699-3705.	2.3	12
98	Effect of boric acid on the porosity of clay and diatomite monoliths. Ceramics International, 2016, 42, 6383-6390.	2.3	12
99	Iron doped anatase for application in photocatalysis. Journal of the European Ceramic Society, 2016, 36, 2991-2996.	2.8	12
100	Magnetic properties of nanosized mixed valent manganites CaMnO ₃ and Ca _{0.7} La _{0.3} Mn _{1-x} Ce _x O ₃ (x=0;). Tj ETQq 0 0 0 rgBT /Overlock	2.8	11
101	Synthesis, calcination and characterization of Nanosized ceria powders by self-propagating room temperature method. Ceramics International, 2013, 39, 5007-5012.	2.3	11
102	Synthesis and characterization of pyrochlore lanthanide (Pr, Sm) zirconate ceramics. Journal of the European Ceramic Society, 2020, 40, 2652-2657.	2.8	11
103	Degradation of crystal violet over heterogeneous TiO ₂ -based catalysts: The effect of process parameters. Processing and Application of Ceramics, 2016, 10, 189-198.	0.4	11
104	New synthetic route for nanocrystalline boron nitride powder. Materials Letters, 2011, 65, 307-309.	1.3	10
105	Influence of mechanical activation on sphene based ceramic material synthesis. Ceramics International, 2013, 39, 483-488.	2.3	10
106	New mesoporous carbon materials synthesized by a templating procedure. Ceramics International, 2013, 39, 4035-4043.	2.3	10
107	Preparation and properties of porous, biomorphic, ceria ceramics for immobilization of Sr isotopes. Ceramics International, 2013, 39, 9645-9649.	2.3	10
108	Silicon Carbide and Other Carbides. , 2013, , 225-244.		10

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109	Synthesis and characterization of biomorphic CeO ₂ obtained by using egg shell membrane as template. Processing and Application of Ceramics, 2014, 8, 81-85.	0.4	10
110	Synthesis and characterization of new Ti ⁴⁺ -Bi ₂ O ₃ anode and its use for reactive dye degradation. Materials Chemistry and Physics, 2015, 158, 31-37.	2.0	10
111	Structure and composition of soils. Processing and Application of Ceramics, 2010, 4, 259-263.	0.4	10
112	Crystalline WO ₃ nanoparticles for NO ₂ sensing. Processing and Application of Ceramics, 2020, 14, 282-292.	0.4	10
113	Crystal structure of Ce-doped CaMnO ₃ perovskite. Ceramics International, 2009, 35, 787-790.	2.3	9
114	Synthesis and characterization of nanometric strontium-doped ceria solid solutions via glycine-nitrate procedure. Journal of the Ceramic Society of Japan, 2012, 120, 69-73.	0.5	9
115	Preparation, structural and microstructural properties of Ba _{0.64} Ca _{0.32} Al ₂ Si ₂ O ₈ ceramics phase. Ceramics International, 2012, 38, 2347-2354.	2.3	9
116	Synthesis and characterization of high-pressure and high-temperature sphene (CaTiSiO ₅). Physics and Chemistry of Minerals, 2014, 41, 775-782.	0.3	9
117	High pressure densification of nanocrystalline mullite powder. Ceramics International, 2016, 42, 5319-5325.	2.3	9
118	Arsenic(III) adsorption from aqueous solutions on novel carbon cryogel/ceria nanocomposite. Processing and Application of Ceramics, 2016, 10, 17-23.	0.4	9
119	Fabrication and characterization of high entropy pyrochlore ceramics. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2023, 62, 66-76.	0.9	9
120	Band Gap Engineering of Newly Discovered ZnO/ZnS Polytropic Nanomaterials. Nanomaterials, 2022, 12, 1595.	1.9	9
121	Effect of preparation route on the microstructure and electrical conductivity of co-doped ceria. Ceramics International, 2013, 39, 3603-3611.	2.3	8
122	Synthesis and characterization of resorcinol formaldehyde carbon cryogel as efficient sorbent for imidacloprid removal. Desalination and Water Treatment, 2014, 52, 7306-7316.	1.0	8
123	Porous acicular mullite ceramics fabricated with in situ formed soot oxidation catalyst obtained from waste MoSi ₂ . Ceramics International, 2017, 43, 9815-9822.	2.3	8
124	Preparation of biomorphic SiC ceramics. Science of Sintering, 2008, 40, 141-145.	0.5	8
125	Synthesis and characterization of monophasic CaO-TiO ₂ -SiO ₂ (sphene) based glass-ceramics. Science of Sintering, 2020, 52, 41-52.	0.5	8
126	Synthesis, structural and magnetic properties of nanostructured Ca _{0.9} Gd _{0.1} MnO ₃ obtained by modified glycine nitrate procedure (MGNP). Ceramics International, 2011, 37, 1313-1319.	2.3	7

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127	Synthesis and characterization of Cr 3+ doped TiO 2 nanometric powders. <i>Ceramics International</i> , 2016, 42, 1862-1869.	2.3	7
128	Synthesis, characterization and sintering of fluorite and pyrochlore-type compounds: Pr ₂ Zr ₂ O ₇ , Sm ₂ Zr ₂ O ₇ and PrSmZr ₂ O ₇ . <i>Materials Today: Proceedings</i> , 2019, 16, 156-162.	0.9	7
129	Synthesis and characterization of Cu-doped ceria nanopowders. <i>Ceramics International</i> , 2011, 37, 3161-3165.	2.3	6
130	Theoretical and experimental study of octahedral tilting of Ca _{1-x} Gd _x MnO ₃ (x=0.05, 0.1, 0.15, 0.2) nanometric powders. <i>Journal of Alloys and Compounds</i> , 2016, 678, 219-227.	2.8	6
131	Acid leaching of natural chrysotile asbestos to mesoporous silica fibers. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 343-351.	0.3	6
132	Synthesis, densification and characterization of Ag doped ceria nanopowders. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1983-1988.	2.8	6
133	Combustion synthesis of luminescent Eu-doped single phase Mayenite. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122420.	1.4	6
134	Carbonitriding reactions of diatomaceous earth: phase evolution and reaction mechanisms. <i>Journal of the Serbian Chemical Society</i> , 2006, 71, 677-683.	0.4	6
135	Study on efficient removal of clopyralid from water using resorcinol-formaldehyde carbon cryogel. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 481-494.	0.4	6
136	Structure Prediction and Mechanical Properties of Silicon Hexaboride on Ab Initio Level. <i>Materials</i> , 2021, 14, 7887.	1.3	6
137	Preparation and characterization of chrome doped sphene pigments prepared via precursor mechanochemical activation. <i>Journal of Alloys and Compounds</i> , 2013, 579, 290-294.	2.8	5
138	Cyclic voltammetry as a tool for model testing of catalytic Pt- and Ag-doped carbon microspheres. <i>Journal of Electroanalytical Chemistry</i> , 2015, 757, 176-182.	1.9	5
139	Comprehensive studies of structural, electronic and magnetic properties of Zn _{0.95} Co _{0.05} O nanopowders. <i>Materials Research Bulletin</i> , 2016, 74, 78-84.	2.7	5
140	Synthesis and characterization of nanometric gadolinia powders by room temperature solid-state displacement reaction and low temperature calcination. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2843-2848.	2.8	5
141	Preparation and properties of hydroxyapatite nano-spheres for immobilization of Sr isotopes. <i>Energy Procedia</i> , 2017, 131, 140-145.	1.8	5
142	New Way of Synthesis of Basic Bismuth Nitrate by Electrodeposition from Ethanol Solution: Characterization and Application for Removal of RB19 from Water. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 9939-9950.	1.7	5
143	Fabrication of ZrC/SiC, ZrO ₂ /SiC and ZrO ₂ powders by carbothermal reduction of ZrSiO ₄ . <i>Processing and Application of Ceramics</i> , 2011, 5, 103-112.	0.4	5
144	Preparation of nanosized non-oxide powders using diatomaceous earth. <i>Science of Sintering</i> , 2009, 41, 151-159.	0.5	5

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145	Structure and magnetic investigations of Ca _{1-x} Y _x MnO ₃ (x=0, 0.1, 0.2, 0.3) and Mn ⁴⁺ /Mn ³⁺ relation analysis. <i>Science of Sintering</i> , 2010, 42, 221-232.	0.5	5
146	Mechanical properties of biomorphic silicon carbide ceramics. <i>Science of Sintering</i> , 2011, 43, 215-223.	0.5	5
147	Low-temperature sintering of LiYO ₂ doped Si ₃ N ₄ ceramics. <i>Journal of Materials Science Letters</i> , 2003, 22, 91-93.	0.5	4
148	A low cost synthesis process for vitreous NaAlSi ₃ O ₈ using sodium zeolite. <i>Journal of Non-Crystalline Solids</i> , 2003, 331, 177-183.	1.5	4
149	Cerium oxide based nanometric powders: synthesis and characterization. <i>Science of Sintering</i> , 2007, 39, 301-308.	0.5	4
150	Oxidation and erosion behaviour of SiC-HfC multilayered composite. <i>Processing and Application of Ceramics</i> , 2014, 8, 31-38.	0.4	4
151	Far-infrared spectra of mesoporous ZnS nanoparticles. <i>Optical Materials</i> , 2016, 57, 225-230.	1.7	4
152	Influence of femtosecond pulsed laser irradiation on bismuth germanium oxide single crystal properties. <i>Materials Research Bulletin</i> , 2016, 83, 284-289.	2.7	4
153	Extreme pressure conditions of bas based materials: Detailed study of structural changes, band gap engineering, elastic constants and mechanical properties. <i>Processing and Application of Ceramics</i> , 2019, 13, 401-410.	0.4	4
154	Nondestructive Testing of Thermal Shock Resistance of Cordierite/Silicon Carbide Composite Materials after Cyclic Thermal Shock. <i>Research in Nondestructive Evaluation</i> , 2010, 21, 48-59.	0.5	3
155	Synthesis and characterization of spider silk calcite composite. <i>Processing and Application of Ceramics</i> , 2016, 10, 37-40.	0.4	3
156	Effect of aluminum addition on the structure and electronic properties of boron nitride. <i>Journal of Solid State Chemistry</i> , 2022, 311, 123153.	1.4	3
157	Advanced Ceramics for Nuclear Applications. , 2013, , 353-368.		2
158	Synthesis and Characterization of Hafnium Carbide Based Ceramics. <i>Key Engineering Materials</i> , 0, 616, 1-7.	0.4	2
159	Photoluminescent properties of spider silk coated with Eu-doped nanoceria. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	2
160	Phase Evolution of Sphene Based Ceramics during Annealing. <i>Energy Procedia</i> , 2017, 131, 407-412.	1.8	2
161	Decolorization of crystal violet over TiO ₂ and TiO ₂ doped with zirconia photocatalysts. <i>Hemijaska Industrija</i> , 2017, 71, 259-269.	0.3	2
162	Influence of alumina addition on structural and catalytic properties of sulphated zirconia in isomerization of n-hexane. <i>Processing and Application of Ceramics</i> , 2021, 15, 111-119.	0.4	2

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