Branko Å½ MatoviÄ

List of Publications by Year
in descending order

182	3,651	159585 30	206112 48
papers	citations	h-index	g-index

186	186	186	4540
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanical properties of silicon nitride-based ceramics and its use in structural applications at high temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 1314-1338.	5.6	174
2	Suppression of inherent ferromagnetism in Pr-doped CeO2 nanocrystals. Nanoscale, 2012, 4, 5469.	5.6	143
3	The size and strain effects on the Raman spectra of Ce1â^'xNdxO2â^'Î´ (0â‰¤xâ‰¤0.25) nanopowders. Solid State Communications, 2006, 137, 387-390.	1.9	137
4	Anti-cancer effects of cerium oxide nanoparticles and its intracellular redox activity. Chemico-Biological Interactions, 2015, 232, 85-93.	4.0	132
5	Bacterial cellulose-lignin composite hydrogel as a promising agent in chronic wound healing. International Journal of Biological Macromolecules, 2018, 118, 494-503.	7.5	115
6	Dense and near-net-shape fabrication of Si3N4 ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 500, 130-149.	5.6	106
7	Nanoporous activated carbon cloth as a versatile material for hydrogen adsorption, selective gas separation and electrochemical energy storage. Nano Energy, 2017, 40, 49-64.	16.0	101
8	Synthesis and characterization of nanocrystaline hexagonal boron nitride powders: XRD and luminescence properties. Ceramics International, 2016, 42, 16655-16658.	4.8	75
9	Synthesis and surface characterization of ordered mesoporous silica SBA-15. Materials Chemistry and Physics, 2010, 124, 1248-1252.	4.0	67
10	Ce1â^'xY (Nd)xO2â^'Î´nanopowders: potential materials for intermediate temperature solid oxide fuel cells. Journal of Physics Condensed Matter, 2006, 18, S2061-S2068.	1.8	65
11	Infrared study of laser synthesized anatase TiO2nanopowders. Journal Physics D: Applied Physics, 2005, 38, 1415-1420.	2.8	58
12	Ouzo effectâ€"New simple nanoemulsion method for synthesis of strontium hydroxyapatite nanospheres. Journal of the European Ceramic Society, 2016, 36, 1293-1298.	5.7	46
13	Toughening of SiC matrix with in-situ created TiB2 particles. Ceramics International, 2010, 36, 2181-2188.	4.8	44
14	Influence of diatomite microstructure on its adsorption capacity for Pb(II). Science of Sintering, 2009, 41, 309-317.	1.4	43
15	Densification of Si₃N₄ with LiYO₂ Additive. Journal of the American Ceramic Society, 2004, 87, 546-549.	3.8	42
16	Adsorption of malathion on mesoporous monetite obtained by mechanochemical treatment of brushite. RSC Advances, 2016, 6, 12219-12225.	3.6	41
17	Modified glycine nitrate procedure (MGNP) for the synthesis of SOFC nanopowders. Ceramics International, 2007, 33, 89-93.	4.8	40
18	Valence state dependent room-temperature ferromagnetism in Fe-doped ceria nanocrystals. Applied Physics Letters, 2010, 96, .	3.3	40

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19	Temperature-dependent Raman study of Ce0.75Nd0.25O2â^Î´ nanocrystals. Applied Physics Letters, 2007, 91, 203118.	3.3	38
20	Photocatalytic degradation of metoprolol in water suspension of TiO2 nanopowders prepared using solâ€“gel route. Journal of Sol-Gel Science and Technology, 2012, 61, 390-402.	2.4	38
21	SBA-15 templated mesoporous carbons for 2,4-dichlorophenoxyacetic acid removal. Chemical Engineering Journal, 2013, 220, 276-283.	12.7	38
22	Structural, textural and adsorption characteristics of bentonite-based composite. Microporous and Mesoporous Materials, 2014, 195, 67-74.	4.4	38
23	Changes of hydrogen storage properties of MgH2 induced by boron ion irradiation. International Journal of Hydrogen Energy, 2011, 36, 1184-1189.	7.1	37
24	Pressureless sintering of silicon nitride with lithia and yttria. Journal of the European Ceramic Society, 2004, 24, 3395-3398.	5.7	36
25	Synthesis and characterization of tungsten carbide fine powders. Ceramics International, 2015, 41, 1271-1277.	4.8	35
26	Synthesis and characterization of ceria based nanometric powders. Journal of Power Sources, 2009, 193, 146-149.	7.8	34
27	Room-temperature synthesis of nanometric Î±-Bi2O3. Materials Letters, 2010, 64, 2247-2250.	2.6	34
28	Preparation of ZrO2 and ZrO2/SiC powders by carbothermal reduction of ZrSiO4. Journal of Alloys and Compounds, 2011, 509, 2203-2215.	5.5	34
29	Structural destabilisation of MgH2 obtained by heavy ion irradiation. International Journal of Hydrogen Energy, 2009, 34, 7275-7282.	7.1	32
30	Photocatalytic degradation of alprazolam in water suspension of brookite type TiO2 nanopowders prepared using hydrothermal route. Materials Chemistry and Physics, 2015, 163, 518-528.	4.0	32
31	Structure prediction of aluminum nitride combining data mining and quantum mechanics. CrystEngComm, 2017, 19, 5259-5268.	2.6	31
32	Comprehensive characterization of BiFeO3 powder synthesized by the hydrothermal procedure. Processing and Application of Ceramics, 2016, 10, 201-208.	0.8	31
33	Doped and Co-doped CeO2: Preparation and properties. Ceramics International, 2008, 34, 2001-2006.	4.8	30
34	Porous ceramic monoliths based on diatomite. Ceramics International, 2015, 41, 9745-9752.	4.8	30
35	The effect of Y2O3 addition on thermal shock behavior of magnesium aluminate spinel. Science of Sintering, 2009, 41, 75-81.	1.4	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.	5.7	28

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37	Synthesis and characterization of Pr6O11 nanopowders. Ceramics International, 2013, 39, 3151-3155.	4.8	28
38	Electrical and microstructural properties of Yb-doped CeO₂. Journal of Asian Ceramic Societies, 2014, 2, 117-122.	2.3	27
39	Surface characterization of mesoporous carbon cryogel and its application in arsenic (III) adsorption from aqueous solutions. Microporous and Mesoporous Materials, 2015, 201, 271-276.	4.4	27
40	Behavior of silicon carbide/cordierite composite material after cyclic thermal shock. Ceramics International, 2009, 35, 1077-1081.	4.8	25
41	ZnO/ZnS (hetero)structures: ab initio investigations of polytypic behavior of mixed ZnO and ZnS compounds. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 628-642.	1.1	25
42	Effect of Î²-Si3N4 seeds on densification and fracture toughness of silicon nitride. Ceramics International, 2006, 32, 303-307.	4.8	24
43	Fabrication of SiC by carbothermal-reduction reactions of diatomaceous earth. Journal of Materials Science, 2007, 42, 5448-5451.	3.7	24
44	Synthesis and characterization of hafnium carbide fine powders. Ceramics International, 2013, 39, 719-723.	4.8	23
45	Few-step synthesis, thermal purification and structural characterization of porous boron nitride nanoplatelets. Materials and Design, 2016, 110, 540-548.	7.0	23
46	Characterization of B4C-SiC ceramic composites prepared by ultra-high pressure sintering. Journal of the European Ceramic Society, 2021, 41, 4755-4760.	5.7	23
47	New manufacturing process for nanometric SiC. Journal of the European Ceramic Society, 2012, 32, 1901-1906.	5.7	22
48	Synthesis and characterization of nanometric yttrium-doped hafnia solid solutions. Journal of the European Ceramic Society, 2012, 32, 1971-1976.	5.7	22
49	Boron Nitride Nanotubes Versus Carbon Nanotubes: A Thermal Stability and Oxidation Behavior Study. Nanomaterials, 2020, 10, 2435.	4.1	22
50	Synthesis of silver doped hydroxyapatite nanospheres using Ouzo effect. Processing and Application of Ceramics, 2016, 10, 169-174.	0.8	22
51	Implementation of image analysis on thermal shock and cavitation resistance testing of refractory concrete. Journal of the European Ceramic Society, 2010, 30, 3303-3309.	5.7	21
52	Characterization of nanometric multidoped ceria powders. Journal of Alloys and Compounds, 2010, 507, 279-285.	5.5	21
53	Nanocrystaline solid solution CeO2â€“Bi2O3. Journal of the European Ceramic Society, 2012, 32, 1983-1987.	5.7	21
54	Solâ€“gel synthesis and characterization of iron doped mullite. Journal of Alloys and Compounds, 2014, 612, 259-264.	5.5	20

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55	Theoretical and Experimental Study of Structural Phases in CoMoO₄â€. Crystal Research and Technology, 2017, 52, 1700069.	1.3	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.	4.0	20
57	Structural and photocatalytic examination of CoMoO4 nanopowders synthesized by GNP method. Materials Research Bulletin, 2018, 98, 111-120.	5.2	20
58	Thermal shock damage characterization of refractory composites. Ceramics International, 2008, 34, 1925-1929.	4.8	19
59	Spark plasma sintering of ZrCâ€“SiC ceramics with LiYO2 additive. Ceramics International, 2013, 39, 5467-5476.	4.8	19
60	Studies on structural, morphological and electrical properties of Ce1âˆ’xErxO2âˆ’Î´ (xÂ=Â0.05â€“0.20) as solid electrolyte for IT â€“ SOFC. Materials Chemistry and Physics, 2015, 153, 422-431.	4.0	19
61	Structural dependent room-temperature ferromagnetism in yttrium doped HfO2 nanoparticles. Ceramics International, 2015, 41, 6970-6977.	4.8	19
62	A novel reductionâ€“oxidation synthetic route for hafnia. Ceramics International, 2016, 42, 615-620.	4.8	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.	4.0	19
64	High coercivity of Î³-Fe2O3 nanoparticles obtained by a mechanochemically activated solid-state displacement reaction. Scripta Materialia, 2007, 56, 883-886.	5.2	18
65	Effect of post-sintering heat treatment on mechanical properties and microstructure of SiCâ€“TiB2 composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 2034-2041.	5.6	18
66	Synthesis and characterization of Fe3+ doped titanium dioxide nanopowders. Ceramics International, 2012, 38, 635-640.	4.8	18
67	Synthesis and densification of single-phase mayenite (C12A7). Journal of the European Ceramic Society, 2016, 36, 4237-4241.	5.7	18
68	Monolithic nanocrystalline SiC ceramics. Journal of the European Ceramic Society, 2016, 36, 3005-3010.	5.7	18
69	Ultra-high pressure densification and properties of nanostructured SiC. Materials Letters, 2016, 164, 68-71.	2.6	18
70	Dielectric and ferroelectric properties of Ho-doped BiFeO3 nanopowders across the structural phase transition. Ceramics International, 2017, 43, 16531-16538.	4.8	18
71	Investigation of the structure and the magnetic behavior of nanostructure Ca1âˆ’Gd MnO3 (x=0.05; 0.1;) Tj ETQq1 1 0.784314 rgBT	4.8	17
72	Prediction of possible CaMnO₃modifications using anab initiominimization data-mining approach. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 809-819.	1.1	17

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73	Sintering and electrical properties of Ce 1 â^' x Bi x O 2 â^' Î´ solid solution. Journal of Alloys and Compounds, 2014, 617, 563-568.	5.5	17
74	Tungsten Disilicide (WSi₂): Synthesis, Characterization, and Prediction of New Crystal Structures. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 2088-2094.	1.2	17
75	Raman study of Ba-doped ceria nanopowders. Science of Sintering, 2007, 39, 281-286.	1.4	16
76	Nanopowders properties and sintering of CaMnO3 solid solutions. Journal of Alloys and Compounds, 2008, 463, 282-287.	5.5	16
77	Pressureless sintering of internally synthesized SiC-TiB2 composites with improved fracture strength. Journal of Alloys and Compounds, 2011, 509, 990-996.	5.5	16
78	Synthesis and characterization of the SBA-15/carbon cryogel nanocomposites. Ceramics International, 2012, 38, 4875-4883.	4.8	16
79	Morpho-structural, adsorption and electrochemical characteristics of serpentinite. Separation and Purification Technology, 2016, 163, 72-78.	7.9	16
80	Preparation of basalt-based glass ceramics. Journal of the Serbian Chemical Society, 2003, 68, 505-510.	0.8	16
81	Glass-ceramics obtained by the crystallization of basalt. Science of Sintering, 2010, 42, 383-388.	1.4	16
82	Electrical properties of multidoped ceria. Ceramics International, 2014, 40, 9285-9292.	4.8	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.	3.2	15
84	In-situ immobilization of Sr radioactive isotope using nanocrystalline hydroxyapatite. Ceramics International, 2018, 44, 1771-1777.	4.8	15
85	Synthesis, characterization and sintering of Gd2Hf2O7 powders synthesized by solid state displacement reaction at low temperature. Ceramics International, 2018, 44, 16972-16976.	4.8	15
86	Kinetics of the Î±-Î² phase transformation in seeded Si3N4 ceramics. Science of Sintering, 2008, 40, 263-270.	1.4	15
87	Preparation, sintering and electrical properties of nano-grained multidoped ceria. Ceramics International, 2010, 36, 121-127.	4.8	14
88	Electrical characterization of multidoped ceria ceramics. Ceramics International, 2013, 39, 1249-1255.	4.8	14
89	Effects of sintering on the structural, microstructural and magnetic properties of nanoparticle manganite Ca1â^'Gd MnO3 (x=0.05, 0.1, 0.15, 0.2). Ceramics International, 2015, 41, 14964-14972.	4.8	14
90	Crystal Structure Prediction of the Novel Cr2SiN4 Compound via Global Optimization, Data Mining, and the PCAE Method. Crystals, 2021, 11, 891.	2.2	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.	5.5	13
92	Thermal stability of Ce1â^'Bi O2â^' (x= 0.1â€“0.5) solid solution. Journal of Alloys and Compounds, 2013, 578, 26-31.	5.5	13
93	Investigation of surface defect states in CeO2-y nanocrystals by Scanningâ^'tunneling microscopy/spectroscopy and ellipsometry. Journal of Applied Physics, 2014, 116, .	2.5	13
94	Preparation of Porous Silica Ceramics Using the Wood Template. Materials and Manufacturing Processes, 2009, 24, 1109-1113.	4.7	12
95	Synthesis and characterization of the nanometric Pr-doped ceria. Journal of Alloys and Compounds, 2010, 505, 235-238.	5.5	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.	6.0	12
97	Biomimetic synthesis and properties of cellular SiC. Ceramics International, 2014, 40, 3699-3705.	4.8	12
98	Effect of boric acid on the porosity of clay and diatomite monoliths. Ceramics International, 2016, 42, 6383-6390.	4.8	12
99	Iron doped anatase for application in photocatalysis. Journal of the European Ceramic Society, 2016, 36, 2991-2996.	5.7	12
100	Magnetic properties of nanosized mixed valent manganites CaMnO3 and Ca0.7La0.3Mn1â^'xCexO3 (x=0;) Tj ETQq0 0 0 rgBT /Overlock	5.5	11
101	Synthesis, calcination and characterization of Nanosized ceria powders by self-propagating room temperature method. Ceramics International, 2013, 39, 5007-5012.	4.8	11
102	Synthesis and characterization of pyrochlore lanthanide (Pr, Sm) zirconate ceramics. Journal of the European Ceramic Society, 2020, 40, 2652-2657.	5.7	11
103	Degradation of crystal violet over heterogeneous TiO2-based catalysts: The effect of process parameters. Processing and Application of Ceramics, 2016, 10, 189-198.	0.8	11
104	New synthetic route for nanocrystalline boron nitride powder. Materials Letters, 2011, 65, 307-309.	2.6	10
105	Influence of mechanical activation on sphene based ceramic material synthesis. Ceramics International, 2013, 39, 483-488.	4.8	10
106	New mesoporous carbon materials synthesized by a templating procedure. Ceramics International, 2013, 39, 4035-4043.	4.8	10
107	Preparation and properties of porous, biomorphic, ceria ceramics for immobilization of Sr isotopes. Ceramics International, 2013, 39, 9645-9649.	4.8	10
108	Silicon Carbide and Other Carbides. , 2013, , 225-244.		10

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109	Synthesis and characterization of biomorphic CeO2 obtained by using egg shell membrane as template. Processing and Application of Ceramics, 2014, 8, 81-85.	0.8	10
110	Synthesis and characterization of new Tiâ€“Bi2O3 anode and its use for reactive dye degradation. Materials Chemistry and Physics, 2015, 158, 31-37.	4.0	10
111	Structure and composition of soils. Processing and Application of Ceramics, 2010, 4, 259-263.	0.8	10
112	Crystalline WO3 nanoparticles for No2 sensing. Processing and Application of Ceramics, 2020, 14, 282-292.	0.8	10
113	Crystal structure of Ce-doped CaMnO3 perovskite. Ceramics International, 2009, 35, 787-790.	4.8	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.	1.1	9
115	Preparation, structural and microstructural properties of Ba0.64Ca0.32Al2Si2O8 ceramics phase. Ceramics International, 2012, 38, 2347-2354.	4.8	9
116	Synthesis and characterization of high-pressure and high-temperature sphene (CaTiSiO5). Physics and Chemistry of Minerals, 2014, 41, 775-782.	0.8	9
117	High pressure densification of nanocrystalline mullite powder. Ceramics International, 2016, 42, 5319-5325.	4.8	9
118	Arsenic(III) adsorption from aqueous solutions on novel carbon cryogel/ceria nanocomposite. Processing and Application of Ceramics, 2016, 10, 17-23.	0.8	9
119	Fabrication and characterization of high entropy pyrochlore ceramics. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2023, 62, 66-76.	1.9	9
120	Band Gap Engineering of Newly Discovered ZnO/ZnS Polytypic Nanomaterials. Nanomaterials, 2022, 12, 1595.	4.1	9
121	Effect of preparation route on the microstructure and electrical conductivity of co-doped ceria. Ceramics International, 2013, 39, 3603-3611.	4.8	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 MoSi2. Ceramics International, 2017, 43, 9815-9822.	4.8	8
124	Preparation of biomorphic SiC ceramics. Science of Sintering, 2008, 40, 141-145.	1.4	8
125	Synthesis and characterization of monophase CaO-TiO2-SiO2 (sphene) based glass-ceramics. Science of Sintering, 2020, 52, 41-52.	1.4	8
126	Synthesis, structural and magnetic properties of nanostructured Ca0.9Gd0.1MnO3 obtained by modified glycine nitrate procedure (MGNP). Ceramics International, 2011, 37, 1313-1319.	4.8	7

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127	Synthesis and characterization of Cr 3+ doped TiO 2 nanometric powders. Ceramics International, 2016, 42, 1862-1869.	4.8	7
128	Synthesis, characterization and sintering of fluorite and pyrochlore-type compounds: Pr2Zr2O7, Sm2Zr2O7 and PrSmZr2O7. Materials Today: Proceedings, 2019, 16, 156-162.	1.8	7
129	Synthesis and characterization of Cu-doped ceria nanopowders. Ceramics International, 2011, 37, 3161-3165.	4.8	6
130	Theoretical and experimental study of octahedral tilting of Ca1â^'Gd MnO3 (xÂ=Â0.05, 0.1, 0.15, 0.2) nanometric powders. Journal of Alloys and Compounds, 2016, 678, 219-227.	5.5	6
131	Acid leaching of natural chrysotile asbestos to mesoporous silica fibers. Physics and Chemistry of Minerals, 2018, 45, 343-351.	0.8	6
132	Synthesis, densification and characterization of Ag doped ceria nanopowders. Journal of the European Ceramic Society, 2020, 40, 1983-1988.	5.7	6
133	Combustion synthesis of luminescent Eu-doped single phase Mayenite. Journal of Solid State Chemistry, 2021, 302, 122420.	2.9	6
134	Carbonitriding reactions of diatomaceous earth: phase evolution and reaction mechanisms. Journal of the Serbian Chemical Society, 2006, 71, 677-683.	0.8	6
135	Study on efficient removal of clopyralid from water using resorcinol-formaldehyde carbon cryogel. Journal of the Serbian Chemical Society, 2014, 79, 481-494.	0.8	6
136	Structure Prediction and Mechanical Properties of Silicon Hexaboride on Ab Initio Level. Materials, 2021, 14, 7887.	2.9	6
137	Preparation and characterization of chrome doped sphene pigments prepared via precursor mechanochemical activation. Journal of Alloys and Compounds, 2013, 579, 290-294.	5.5	5
138	Cyclic voltammetry as a tool for model testing of catalytic Pt- and Ag-doped carbon microspheres. Journal of Electroanalytical Chemistry, 2015, 757, 176-182.	3.8	5
139	Comprehensive studies of structural, electronic and magnetic properties of Zn0.95Co0.05O nanopowders. Materials Research Bulletin, 2016, 74, 78-84.	5.2	5
140	Synthesis and characterization of nanometric gadolinia powders by room temperature solid-state displacement reaction and low temperature calcination. Journal of the European Ceramic Society, 2017, 37, 2843-2848.	5.7	5
141	Preparation and properties of hydroxyapatite nano-spheres for immobilization of Sr isotopes. Energy Procedia, 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. Arabian Journal for Science and Engineering, 2019, 44, 9939-9950.	3.0	5
143	Fabrication of ZrC/SiC, ZrO2/SiC and ZrO2 powders by carbothermal reduction of ZrSiO4. Processing and Application of Ceramics, 2011, 5, 103-112.	0.8	5
144	Preparation of nanosized non-oxide powders using diatomaceous earth. Science of Sintering, 2009, 41, 151-159.	1.4	5

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145	Structure and magnetic investigations of Ca1-xYxMnO3 (x=0, 0.1, 0.2, 0.3) and Mn4+/Mn3+ relation analysis. Science of Sintering, 2010, 42, 221-232.	1.4	5
146	Mechanical properties of biomorphic silicon carbide ceramics. Science of Sintering, 2011, 43, 215-223.	1.4	5
147	Low-temperature sintering of LiYO2 doped Si3N4 ceramics. Journal of Materials Science Letters, 2003, 22, 91-93.	0.5	4
148	A low cost synthesis process for vitreous NaAlSi3O8 using sodium zeolite. Journal of Non-Crystalline Solids, 2003, 331, 177-183.	3.1	4
149	Cerium oxide based nanometric powders: synthesis and characterization. Science of Sintering, 2007, 39, 301-308.	1.4	4
150	Oxidation and erosion behaviour of SiC-HfC multilayered composite. Processing and Application of Ceramics, 2014, 8, 31-38.	0.8	4
151	Far-infrared spectra of mesoporous ZnS nanoparticles. Optical Materials, 2016, 57, 225-230.	3.6	4
152	Influence of femtosecond pulsed laser irradiation on bismuth germanium oxide single crystal properties. Materials Research Bulletin, 2016, 83, 284-289.	5.2	4
153	Extreme pressure conditions of bas based materials: Detailed study of structural changes, band gap engineering, elastic constants and mechanical properties. Processing and Application of Ceramics, 2019, 13, 401-410.	0.8	4
154	Nondestructive Testing of Thermal Shock Resistance of Cordierite/Silicon Carbide Composite Materials after Cyclic Thermal Shock. Research in Nondestructive Evaluation, 2010, 21, 48-59.	1.1	3
155	Synthesis and characterization of spider silk calcite composite. Processing and Application of Ceramics, 2016, 10, 37-40.	0.8	3
156	Effect of aluminum addition on the structure and electronic properties of boron nitride. Journal of Solid State Chemistry, 2022, 311, 123153.	2.9	3
157	Advanced Ceramics for Nuclear Applications. , 2013, , 353-368.		2
158	Synthesis and Characterization of Hafnium Carbide Based Ceramics. Key Engineering Materials, 0, 616, 1-7.	0.4	2
159	Photoluminescent properties of spider silk coated with Eu-doped nanoceria. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	2
160	Phase Evolution of Sphene Based Ceramics during Annealing. Energy Procedia, 2017, 131, 407-412.	1.8	2
161	Decolorization of crystal violet over TiO2 and TiO2 doped with zirconia photocatalysts. Hemijska Industrija, 2017, 71, 259-269.	0.7	2
162	Influence of alumina addition on structural and catalytic properties of sulphated zirconia in isomerization of n-hexane. Processing and Application of Ceramics, 2021, 15, 111-119.	0.8	2

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163	Electrophysical properties of microalloyed alumo-silicate ceramics as active dielectric. Serbian Journal of Electrical Engineering, 2013, 10, 175-184.	0.4	2
164	Synthesis, characterization and magnetic properties of spider silk coated with maghemite (Î³-Fe2O3) nanoparticles. Materials Letters, 2022, 314, 131856.	2.6	2
165	High-density ceramics obtained by andesite basalt sintering. Processing and Application of Ceramics, 2022, 16, 143-152.	0.8	2
166	Synthesis of biomorphic SiC and SiO2 ceramics. Journal of the Serbian Chemical Society, 2008, 73, 745-751.	0.8	1
167	RAMAN STUDY OF VANADIUM-DOPED TITANIA NANOPOWDERS SYNTHESIZED BY SOL-GEL METHOD. International Journal of Modern Physics B, 2010, 24, 667-675.	2.0	1
168	Application of Minkowski layer for intergranular fractal surfaces of multiphase active microalloyed and alloyed aluminium-silicate ceramics. Applied Surface Science, 2015, 332, 440-455.	6.1	1
169	Theoretical investigation of mollusk shells: Energy landscape exploration of CaCo3 polymorphs and element substitution: A short review. Advanced Technologies, 2021, 10, 73-80.	0.4	1
170	Nanometric solid solutions of the fluorite and perovskite type crystal structures: Synthesis and properties. Processing and Application of Ceramics, 2012, 6, 123-131.	0.8	1
171	Thermal shock properties of glass-ceramics synthesized from a glass frit. Science of Sintering, 2017, 49, 139-147.	1.4	1
172	Determination of sulphide concentrates of ore copper by XRPD and chemical analysis. Hemijska Industrija, 2009, 63, 319-324.	0.7	1
173	Youngâ€™s modulus evaluation and thermal shock behavior of a porous SiC/cordierite composite material. Science of Sintering, 2015, 47, 289-297.	1.4	1
174	Mechanical properties of ultra-high pressure sintered sphene (CaTiSiO5). Processing and Application of Ceramics, 2016, 10, 295-298.	0.8	1
175	Final flotation waste kinetics of sintering at different heating regimes. Science of Sintering, 2016, 48, 197-208.	1.4	1
176	Spider silk as a template for obtaining magnesium oxide and magnesium hydroxide fibers. Hemijska Industrija, 2018, 72, 23-28.	0.7	1
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