

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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159585

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4540
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and characterization of high entropy pyrochlore ceramics. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2023, 62, 66-76.	1.9	9
2	Synthesis, characterization and magnetic properties of spider silk coated with maghemite ($\gamma\text{-Fe}_2\text{O}_3$) nanoparticles. Materials Letters, 2022, 314, 131856.	2.6	2
3	Characterization of material sintered from the final flotation waste and zeolitic tuff. Science of Sintering, 2022, 54, 59-71.	1.4	1
4	Effect of aluminum addition on the structure and electronic properties of boron nitride. Journal of Solid State Chemistry, 2022, 311, 123153.	2.9	3
5	Band Gap Engineering of Newly Discovered ZnO/ZnS Polytypic Nanomaterials. Nanomaterials, 2022, 12, 1595.	4.1	9
6	High-density ceramics obtained by andesite basalt sintering. Processing and Application of Ceramics, 2022, 16, 143-152.	0.8	2
7	Nanoemulsification synthesis route for obtaining highly efficient Ag_3PO_4 photocatalytic nanomaterial. Journal of the Serbian Chemical Society, 2022, 87, 1285-1296.	0.8	0
8	Theoretical investigation of mollusk shells: Energy landscape exploration of CaCO_3 polymorphs and element substitution: A short review. Advanced Technologies, 2021, 10, 73-80.	0.4	1
9	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
10	Radiation Induced Effects in CMCs for Advanced Nuclear Energy Systems. , 2021, , 202-217.		0
11	Crystal Structure Prediction of the Novel Cr_2SiN_4 Compound via Global Optimization, Data Mining, and the PCAE Method. Crystals, 2021, 11, 891.	2.2	14
12	Characterization of $\text{B}_4\text{C-SiC}$ ceramic composites prepared by ultra-high pressure sintering. Journal of the European Ceramic Society, 2021, 41, 4755-4760.	5.7	23
13	Combustion synthesis of luminescent Eu-doped single phase Mayenite. Journal of Solid State Chemistry, 2021, 302, 122420.	2.9	6
14	Structure Prediction and Mechanical Properties of Silicon Hexaboride on Ab Initio Level. Materials, 2021, 14, 7887.	2.9	6
15	Synthesis and characterization of pyrochlore lanthanide (Pr, Sm) zirconate ceramics. Journal of the European Ceramic Society, 2020, 40, 2652-2657.	5.7	11
16	Boron Nitride Nanotubes Versus Carbon Nanotubes: A Thermal Stability and Oxidation Behavior Study. Nanomaterials, 2020, 10, 2435.	4.1	22
17	Synthesis, densification and characterization of Ag doped ceria nanopowders. Journal of the European Ceramic Society, 2020, 40, 1983-1988.	5.7	6
18	Crystalline WO_3 nanoparticles for NO_2 sensing. Processing and Application of Ceramics, 2020, 14, 282-292.	0.8	10

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19	Synthesis and characterization of monophasic CaO-TiO ₂ -SiO ₂ (sphene) based glass-ceramics. <i>Science of Sintering</i> , 2020, 52, 41-52.	1.4	8
20	AX ₂ : Type of compounds and an overview of theoretically investigated TiO ₂ . <i>Advanced Technologies</i> , 2020, 9, 79-87.	0.4	0
21	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.	3.0	5
22	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.	1.8	7
23	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.	0.8	4
24	In-situ immobilization of Sr radioactive isotope using nanocrystalline hydroxyapatite. <i>Ceramics International</i> , 2018, 44, 1771-1777.	4.8	15
25	Structural and photocatalytic examination of CoMoO ₄ nanopowders synthesized by GNP method. <i>Materials Research Bulletin</i> , 2018, 98, 111-120.	5.2	20
26	Acid leaching of natural chrysotile asbestos to mesoporous silica fibers. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 343-351.	0.8	6
27	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.	1.1	25
28	Synthesis, characterization and sintering of Gd ₂ Hf ₂ O ₇ powders synthesized by solid state displacement reaction at low temperature. <i>Ceramics International</i> , 2018, 44, 16972-16976.	4.8	15
29	<i>Ab initio</i> investigations of structural, electronic and mechanical properties of aluminum nitride at standard and elevated pressures. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 122, 94-103.	4.0	19
30	Bacterial cellulose-lignin composite hydrogel as a promising agent in chronic wound healing. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 494-503.	7.5	115
31	Spider silk as a template for obtaining magnesium oxide and magnesium hydroxide fibers. <i>Hemijaska Industrija</i> , 2018, 72, 23-28.	0.7	1
32	Photoluminescent properties of spider silk coated with Eu-doped nanocerium. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	2
33	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.	5.7	5
34	Theoretical and Experimental Study of Structural Phases in CoMoO ₄ . <i>Crystal Research and Technology</i> , 2017, 52, 1700069.	1.3	20
35	Barium Sulfide under Pressure: Discovery of Metastable Polymorphs and Investigation of Electronic Properties on <i>ab Initio</i> Level. <i>Inorganic Chemistry</i> , 2017, 56, 10644-10654.	4.0	20
36	Dielectric and ferroelectric properties of Ho-doped BiFeO ₃ nanopowders across the structural phase transition. <i>Ceramics International</i> , 2017, 43, 16531-16538.	4.8	18

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37	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.	16.0	101
38	Structure prediction of aluminum nitride combining data mining and quantum mechanics. <i>CrystEngComm</i> , 2017, 19, 5259-5268.	2.6	31
39	Porous acicular mullite ceramics fabricated with in situ formed soot oxidation catalyst obtained from waste MoSi ₂ . <i>Ceramics International</i> , 2017, 43, 9815-9822.	4.8	8
40	Preparation and properties of hydroxyapatite nano-spheres for immobilization of Sr isotopes. <i>Energy Procedia</i> , 2017, 131, 140-145.	1.8	5
41	Phase Evolution of Sphene Based Ceramics during Annealing. <i>Energy Procedia</i> , 2017, 131, 407-412.	1.8	2
42	Tungsten Disilicide (WSi ₂): Synthesis, Characterization, and Prediction of New Crystal Structures. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 2088-2094.	1.2	17
43	Decolorization of crystal violet over TiO ₂ and TiO ₂ doped with zirconia photocatalysts. <i>Hemijška Industrija</i> , 2017, 71, 259-269.	0.7	2
44	Thermal shock properties of glass-ceramics synthesized from a glass frit. <i>Science of Sintering</i> , 2017, 49, 139-147.	1.4	1
45	Synthesis and characterization of Cr ³⁺ doped TiO ₂ nanometric powders. <i>Ceramics International</i> , 2016, 42, 1862-1869.	4.8	7
46	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.	5.5	6
47	Synthesis and densification of single-phase mayenite (C12A7). <i>Journal of the European Ceramic Society</i> , 2016, 36, 4237-4241.	5.7	18
48	Synthesis and characterization of nanocrystalline hexagonal boron nitride powders: XRD and luminescence properties. <i>Ceramics International</i> , 2016, 42, 16655-16658.	4.8	75
49	Few-step synthesis, thermal purification and structural characterization of porous boron nitride nanoplatelets. <i>Materials and Design</i> , 2016, 110, 540-548.	7.0	23
50	Morpho-structural, adsorption and electrochemical characteristics of serpentinite. <i>Separation and Purification Technology</i> , 2016, 163, 72-78.	7.9	16
51	Far-infrared spectra of mesoporous ZnS nanoparticles. <i>Optical Materials</i> , 2016, 57, 225-230.	3.6	4
52	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. <i>Wood Science and Technology</i> , 2016, 50, 547-566.	3.2	15
53	Influence of femtosecond pulsed laser irradiation on bismuth germanium oxide single crystal properties. <i>Materials Research Bulletin</i> , 2016, 83, 284-289.	5.2	4
54	Effect of boric acid on the porosity of clay and diatomite monoliths. <i>Ceramics International</i> , 2016, 42, 6383-6390.	4.8	12

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55	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
56	Monolithic nanocrystalline SiC ceramics. Journal of the European Ceramic Society, 2016, 36, 3005-3010.	5.7	18
57	Adsorption of malathion on mesoporous monetite obtained by mechanochemical treatment of brushite. RSC Advances, 2016, 6, 12219-12225.	3.6	41
58	Iron doped anatase for application in photocatalysis. Journal of the European Ceramic Society, 2016, 36, 2991-2996.	5.7	12
59	High pressure densification of nanocrystalline mullite powder. Ceramics International, 2016, 42, 5319-5325.	4.8	9
60	Comprehensive studies of structural, electronic and magnetic properties of Zn _{0.95} Co _{0.05} O nanopowders. Materials Research Bulletin, 2016, 74, 78-84.	5.2	5
61	Ultra-high pressure densification and properties of nanostructured SiC. Materials Letters, 2016, 164, 68-71.	2.6	18
62	A novel reductionâ€™oxidation synthetic route for hafnia. Ceramics International, 2016, 42, 615-620.	4.8	19
63	Arsenic(III) adsorption from aqueous solutions on novel carbon cryogel/ceria nanocomposite. Processing and Application of Ceramics, 2016, 10, 17-23.	0.8	9
64	Synthesis and characterization of spider silk calcite composite. Processing and Application of Ceramics, 2016, 10, 37-40.	0.8	3
65	Synthesis of silver doped hydroxyapatite nanospheres using Ouzo effect. Processing and Application of Ceramics, 2016, 10, 169-174.	0.8	22
66	Degradation of crystal violet over heterogeneous TiO ₂ -based catalysts: The effect of process parameters. Processing and Application of Ceramics, 2016, 10, 189-198.	0.8	11
67	Comprehensive characterization of BiFeO ₃ powder synthesized by the hydrothermal procedure. Processing and Application of Ceramics, 2016, 10, 201-208.	0.8	31
68	Mechanical properties of ultra-high pressure sintered sphene (CaTiSiO ₅). Processing and Application of Ceramics, 2016, 10, 295-298.	0.8	1
69	Final flotation waste kinetics of sintering at different heating regimes. Science of Sintering, 2016, 48, 197-208.	1.4	1
70	Porous ceramic monoliths based on diatomite. Ceramics International, 2015, 41, 9745-9752.	4.8	30
71	Studies on structural, morphological and electrical properties of Ce _{1-x} Er _x O ₂ (x=0.05â€™0.20) as solid electrolyte for IT SOFC. Materials Chemistry and Physics, 2015, 153, 422-431.	4.0	19
72	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

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73	Structural dependent room-temperature ferromagnetism in yttrium doped HfO ₂ nanoparticles. <i>Ceramics International</i> , 2015, 41, 6970-6977.	4.8	19
74	Synthesis and characterization of new Ti ⁴⁺ -Bi ₂ O ₃ anode and its use for reactive dye degradation. <i>Materials Chemistry and Physics</i> , 2015, 158, 31-37.	4.0	10
75	Anti-cancer effects of cerium oxide nanoparticles and its intracellular redox activity. <i>Chemico-Biological Interactions</i> , 2015, 232, 85-93.	4.0	132
76	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.	3.8	5
77	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). <i>Ceramics International</i> , 2015, 41, 14964-14972.	4.8	14
78	Photocatalytic degradation of alprazolam in water suspension of brookite type TiO ₂ nanopowders prepared using hydrothermal route. <i>Materials Chemistry and Physics</i> , 2015, 163, 518-528.	4.0	32
79	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.	4.4	27
80	Synthesis and characterization of tungsten carbide fine powders. <i>Ceramics International</i> , 2015, 41, 1271-1277.	4.8	35
81	Young's modulus evaluation and thermal shock behavior of a porous SiC/cordierite composite material. <i>Science of Sintering</i> , 2015, 47, 289-297.	1.4	1
82	Synthesis and characterization of biomorphic CeO ₂ obtained by using egg shell membrane as template. <i>Processing and Application of Ceramics</i> , 2014, 8, 81-85.	0.8	10
83	Prediction of possible CaMnO ₃ modifications using an <i>ab initio</i> minimization data-mining approach. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 809-819.	1.1	17
84	Investigation of surface defect states in CeO _{2-y} nanocrystals by Scanning tunneling microscopy/spectroscopy and ellipsometry. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	13
85	Synthesis and characterization of resorcinol formaldehyde carbon cryogel as efficient sorbent for imidacloprid removal. <i>Desalination and Water Treatment</i> , 2014, 52, 7306-7316.	1.0	8
86	Synthesis and characterization of high-pressure and high-temperature sphene (CaTiSiO ₅). <i>Physics and Chemistry of Minerals</i> , 2014, 41, 775-782.	0.8	9
87	Oxidation and erosion behaviour of SiC-HfC multilayered composite. <i>Processing and Application of Ceramics</i> , 2014, 8, 31-38.	0.8	4
88	Electrical properties of multidoped ceria. <i>Ceramics International</i> , 2014, 40, 9285-9292.	4.8	15
89	Electrical and microstructural properties of Yb-doped CeO ₂ . <i>Journal of Asian Ceramic Societies</i> , 2014, 2, 117-122.	2.3	27
90	Structural, textural and adsorption characteristics of bentonite-based composite. <i>Microporous and Mesoporous Materials</i> , 2014, 195, 67-74.	4.4	38

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91	Sintering and electrical properties of Ce _{1-x} Bi _x O ₂ solid solution. Journal of Alloys and Compounds, 2014, 617, 563-568.	5.5	17
92	Sol-gel synthesis and characterization of iron doped mullite. Journal of Alloys and Compounds, 2014, 612, 259-264.	5.5	20
93	Biomimetic synthesis and properties of cellular SiC. Ceramics International, 2014, 40, 3699-3705.	4.8	12
94	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
95	Influence of mechanical activation on sphene based ceramic material synthesis. Ceramics International, 2013, 39, 483-488.	4.8	10
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	Spark plasma sintering of ZrC-SiC ceramics with LiYO ₂ additive. Ceramics International, 2013, 39, 5467-5476.	4.8	19
98	Synthesis, calcination and characterization of Nanosized ceria powders by self-propagating room temperature method. Ceramics International, 2013, 39, 5007-5012.	4.8	11
99	Synthesis and characterization of hafnium carbide fine powders. Ceramics International, 2013, 39, 719-723.	4.8	23
100	Investigation of the structure and the magnetic behavior of nanostructure Ca _{1-x} Gd _x MnO ₃ (x=0.05; 0.1). J. Therm. Anal. Calor. 2014, 97, 17-21.	4.8	17
101	Electrical characterization of multidoped ceria ceramics. Ceramics International, 2013, 39, 1249-1255.	4.8	14
102	New mesoporous carbon materials synthesized by a templating procedure. Ceramics International, 2013, 39, 4035-4043.	4.8	10
103	Synthesis and characterization of Pr ₆ O ₁₁ nanopowders. Ceramics International, 2013, 39, 3151-3155.	4.8	28
104	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
105	SBA-15 templated mesoporous carbons for 2,4-dichlorophenoxyacetic acid removal. Chemical Engineering Journal, 2013, 220, 276-283.	12.7	38
106	Effect of preparation route on the microstructure and electrical conductivity of co-doped ceria. Ceramics International, 2013, 39, 3603-3611.	4.8	8
107	Preparation and properties of porous, biomorphic, ceria ceramics for immobilization of Sr isotopes. Ceramics International, 2013, 39, 9645-9649.	4.8	10
108	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.	5.5	13

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109	Advanced Ceramics for Nuclear Applications. , 2013, , 353-368.		2
110	Silicon Carbide and Other Carbides. , 2013, , 225-244.		10
111	Electrophysical properties of microalloyed alumo-silicate ceramics as active dielectric. Serbian Journal of Electrical Engineering, 2013, 10, 175-184.	0.4	2
112	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
113	Suppression of inherent ferromagnetism in Pr-doped CeO ₂ nanocrystals. Nanoscale, 2012, 4, 5469.	5.6	143
114	Synthesis and characterization of Fe ³⁺ doped titanium dioxide nanopowders. Ceramics International, 2012, 38, 635-640.	4.8	18
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.	4.8	9
116	Synthesis and characterization of the SBA-15/carbon cryogel nanocomposites. Ceramics International, 2012, 38, 4875-4883.	4.8	16
117	New manufacturing process for nanometric SiC. Journal of the European Ceramic Society, 2012, 32, 1901-1906.	5.7	22
118	Synthesis and characterization of nanometric yttrium-doped hafnia solid solutions. Journal of the European Ceramic Society, 2012, 32, 1971-1976.	5.7	22
119	Nanocrystalline solid solution CeO ₂ â€“Bi ₂ O ₃ . Journal of the European Ceramic Society, 2012, 32, 1983-1987.	5.7	21
120	Photocatalytic degradation of metoprolol in water suspension of TiO ₂ nanopowders prepared using solâ€“gel route. Journal of Sol-Gel Science and Technology, 2012, 61, 390-402.	2.4	38
121	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
122	Pressureless sintering of internally synthesized SiC-TiB ₂ composites with improved fracture strength. Journal of Alloys and Compounds, 2011, 509, 990-996.	5.5	16
123	Preparation of ZrO ₂ and ZrO ₂ /SiC powders by carbothermal reduction of ZrSiO ₄ . Journal of Alloys and Compounds, 2011, 509, 2203-2215.	5.5	34
124	New synthetic route for nanocrystalline boron nitride powder. Materials Letters, 2011, 65, 307-309.	2.6	10
125	Synthesis and characterization of Cu-doped ceria nanopowders. Ceramics International, 2011, 37, 3161-3165.	4.8	6
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.	4.8	7

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127	Changes of hydrogen storage properties of MgH ₂ induced by boron ion irradiation. International Journal of Hydrogen Energy, 2011, 36, 1184-1189.	7.1	37
128	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.	5.6	18
129	Fabrication of ZrC/SiC, ZrO ₂ /SiC and ZrO ₂ powders by carbothermal reduction of ZrSiO ₄ . Processing and Application of Ceramics, 2011, 5, 103-112.	0.8	5
130	Mechanical properties of biomorphic silicon carbide ceramics. Science of Sintering, 2011, 43, 215-223.	1.4	5
131	Synthesis and surface characterization of ordered mesoporous silica SBA-15. Materials Chemistry and Physics, 2010, 124, 1248-1252.	4.0	67
132	Room-temperature synthesis of nanometric $\hat{1}$ -Bi ₂ O ₃ . Materials Letters, 2010, 64, 2247-2250.	2.6	34
133	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
134	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
135	Toughening of SiC matrix with in-situ created TiB ₂ particles. Ceramics International, 2010, 36, 2181-2188.	4.8	44
136	Preparation, sintering and electrical properties of nano-grained multidoped ceria. Ceramics International, 2010, 36, 121-127.	4.8	14
137	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
138	Valence state dependent room-temperature ferromagnetism in Fe-doped ceria nanocrystals. Applied Physics Letters, 2010, 96, .	3.3	40
139	Synthesis and characterization of the nanometric Pr-doped ceria. Journal of Alloys and Compounds, 2010, 505, 235-238.	5.5	12
140	Characterization of nanometric multidoped ceria powders. Journal of Alloys and Compounds, 2010, 507, 279-285.	5.5	21
141	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
142	Structure and composition of soils. Processing and Application of Ceramics, 2010, 4, 259-263.	0.8	10
143	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. Science of Sintering, 2010, 42, 221-232.	1.4	5
144	Glass-ceramics obtained by the crystallization of basalt. Science of Sintering, 2010, 42, 383-388.	1.4	16

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145	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.	5.6	106
146	Behavior of silicon carbide/cordierite composite material after cyclic thermal shock. <i>Ceramics International</i> , 2009, 35, 1077-1081.	4.8	25
147	Structural destabilisation of MgH ₂ obtained by heavy ion irradiation. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7275-7282.	7.1	32
148	Synthesis and characterization of ceria based nanometric powders. <i>Journal of Power Sources</i> , 2009, 193, 146-149.	7.8	34
149	Crystal structure of Ce-doped CaMnO ₃ perovskite. <i>Ceramics International</i> , 2009, 35, 787-790.	4.8	9
150	Preparation of Porous Silica Ceramics Using the Wood Template. <i>Materials and Manufacturing Processes</i> , 2009, 24, 1109-1113.	4.7	12
151	The effect of Y ₂ O ₃ addition on thermal shock behavior of magnesium aluminate spinel. <i>Science of Sintering</i> , 2009, 41, 75-81.	1.4	30
152	Preparation of nanosized non-oxide powders using diatomaceous earth. <i>Science of Sintering</i> , 2009, 41, 151-159.	1.4	5
153	Influence of diatomite microstructure on its adsorption capacity for Pb(II). <i>Science of Sintering</i> , 2009, 41, 309-317.	1.4	43
154	Synthesis of biomorphic Si-based ceramics. <i>Processing and Application of Ceramics</i> , 2009, 3, 197-201.	0.8	0
155	Determination of sulphide concentrates of ore copper by XRPD and chemical analysis. <i>Hemijaska Industrija</i> , 2009, 63, 319-324.	0.7	1
156	Determination of thermal shock resistance of silicon carbide/cordierite composite material using nondestructive test methods. <i>Journal of the European Ceramic Society</i> , 2008, 28, 1275-1278.	5.7	28
157	Thermal shock damage characterization of refractory composites. <i>Ceramics International</i> , 2008, 34, 1925-1929.	4.8	19
158	Doped and Co-doped CeO ₂ : Preparation and properties. <i>Ceramics International</i> , 2008, 34, 2001-2006.	4.8	30
159	Nanopowders properties and sintering of CaMnO ₃ solid solutions. <i>Journal of Alloys and Compounds</i> , 2008, 463, 282-287.	5.5	16
160	Fabrication of SiC by carbothermal-reduction reactions of mountain leather asbestos. <i>Journal of Alloys and Compounds</i> , 2008, 464, 270-276.	5.5	13
161	Synthesis of biomorphic SiC and SiO ₂ ceramics. <i>Journal of the Serbian Chemical Society</i> , 2008, 73, 745-751.	0.8	1
162	Preparation of biomorphic SiC ceramics. <i>Science of Sintering</i> , 2008, 40, 141-145.	1.4	8

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163	Kinetics of the β - β' phase transformation in seeded Si ₃ N ₄ ceramics. <i>Science of Sintering</i> , 2008, 40, 263-270.	1.4	15
164	Temperature-dependent Raman study of Ce _{0.75} Nd _{0.25} O ₂ β' nanocrystals. <i>Applied Physics Letters</i> , 2007, 91, 203118.	3.3	38
165	Raman study of Ba-doped ceria nanopowders. <i>Science of Sintering</i> , 2007, 39, 281-286.	1.4	16
166	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;). <i>Tj ETQq0 0 0 rgBT /Overlock</i>	5.5	11
167	Cerium oxide based nanometric powders: synthesis and characterization. <i>Science of Sintering</i> , 2007, 39, 301-308.	1.4	4
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170	Fabrication of SiC by carbothermal-reduction reactions of diatomaceous earth. <i>Journal of Materials Science</i> , 2007, 42, 5448-5451.	3.7	24
171	Synthesis of biomorphous SiC-ceramics. <i>Hemjska Industrija</i> , 2007, 61, 75-78.	0.7	0
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175	Carbonitriding reactions of diatomaceous earth: phase evolution and reaction mechanisms. <i>Journal of the Serbian Chemical Society</i> , 2006, 71, 677-683.	0.8	6
176	Infrared study of laser synthesized anatase TiO ₂ nanopowders. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 1415-1420.	2.8	58
177	Densification of Si ₃ N ₄ with LiYO ₂ Additive. <i>Journal of the American Ceramic Society</i> , 2004, 87, 546-549.	3.8	42
178	Pressureless sintering of silicon nitride with lithia and yttria. <i>Journal of the European Ceramic Society</i> , 2004, 24, 3395-3398.	5.7	36
179	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
180	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.	3.1	4

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182	Synthesis and Characterization of Hafnium Carbide Based Ceramics. Key Engineering Materials, 0, 616, 1-7.	0.4	2