

Zuhair A Munir

List of Publications by Year in descending order

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61945

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148
all docs

148
docs citations

148
times ranked

4621
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-propagating exothermic reactions: The synthesis of high-temperature materials by combustion. <i>Materials Science and Engineering Reports</i> , 1989, 3, 277-365.	5.8	989
2	Electric Current Activation of Sintering: A Review of the Pulsed Electric Current Sintering Process. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1-19.	1.9	553
3	Fundamental investigations on the spark plasma sintering/synthesis process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 394, 132-138.	2.6	278
4	Transparent Nanometric Cubic and Tetragonal Zirconia Obtained by High-Pressure Pulsed Electric Current Sintering. <i>Advanced Functional Materials</i> , 2007, 17, 3267-3273.	7.8	236
5	Electric current enhanced defect mobility in Ni ₃ Ti intermetallics. <i>Applied Physics Letters</i> , 2004, 85, 573-575.	1.5	208
6	Fundamental investigations on the spark plasma sintering/synthesis process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 407, 24-30.	2.6	208
7	Consolidation and properties of binderless sub-micron tungsten carbide by field-activated sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , 2004, 22, 257-264.	1.7	142
8	Oxygen diffusion in nanocrystalline yttria-stabilized zirconia: the effect of grain boundaries. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2067.	1.3	139
9	Activation Energy for the Sublimation of Gallium Nitride. <i>Journal of Chemical Physics</i> , 1965, 42, 4223-4228.	1.2	130
10	Spark plasma sintering and characterization of bulk nanostructured fully stabilized zirconia: Part I. Densification studies. <i>Journal of Materials Research</i> , 2004, 19, 3255-3262.	1.2	122
11	Consolidation of Nanostructured β -SiC by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2004, 87, 1436-1441.	1.9	107
12	Unprecedented Room-Temperature Electrical Power Generation Using Nanoscale Fluorite-Structured Oxide Electrolytes. <i>Advanced Materials</i> , 2008, 20, 556-559.	11.1	105
13	1000 at 1000: The effect of electric field and pressure on the synthesis and consolidation of materials: a review of the spark plasma sintering method. <i>Journal of Materials Science</i> , 2020, 55, 15365-15366.	1.7	100
14	Current effects on neck growth in the sintering of copper spheres to copper plates by the pulsed electric current method. <i>Journal of Applied Physics</i> , 2007, 101, 114914.	1.1	99
15	Spark plasma sintering of nanometric tungsten carbide. <i>International Journal of Refractory Metals and Hard Materials</i> , 2009, 27, 130-139.	1.7	99
16	Consolidation of nanostructured SiC with disorder-to-order transformation. <i>Scripta Materialia</i> , 2004, 50, 111-114.	2.6	93
17	On the conduction pathway for protons in nanocrystalline yttria-stabilized zirconia. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3035.	1.3	93
18	Effect of Nitrogen Pressure and Diluent Content on the Combustion Synthesis of Titanium Nitride. <i>Journal of the American Ceramic Society</i> , 1990, 73, 2222-2227.	1.9	88

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19	Effect of Particle Dispersion on the Mechanism of Combustion Synthesis of Titanium Silicide. Journal of the American Ceramic Society, 1990, 73, 1240-1245.	1.9	87
20	Influence of Synthesis Temperature on the Defect Structure of Boron Carbide: Experimental and Modeling Studies. Journal of the American Ceramic Society, 2005, 88, 1382-1387.	1.9	79
21	Nanoscale Effects on the Ionic Conductivity of Highly Doped Bulk Nanometric Cerium Oxide. Advanced Functional Materials, 2006, 16, 2363-2368.	7.8	79
22	Spark plasma sintering and characterization of bulk nanostructured fully stabilized zirconia: Part II. Characterization studies. Journal of Materials Research, 2004, 19, 3263-3269.	1.2	75
23	Pressure effects and grain growth kinetics in the consolidation of nanostructured fully stabilized zirconia by pulsed electric current sintering. Acta Materialia, 2010, 58, 5022-5030.	3.8	75
24	Effect of ball milling on simultaneous spark plasma synthesis and densification of TiCâ€TiB ₂ composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 434, 23-29.	2.6	72
25	Effect of Porosity on the Combustion Synthesis of Titanium Nitride. Journal of the American Ceramic Society, 1990, 73, 1235-1239.	1.9	68
26	Simultaneous Spark Plasma Synthesis and Densification of TiC-TiB ₂ Composites. Journal of the American Ceramic Society, 2006, 89, 848-855.	1.9	67
27	Wettability of transition metal oxide surfaces. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1998, 242, 50-56.	2.6	66
28	Engineered Nanostructures for Multifunctional Single-Walled Carbon Nanotube Reinforced Silicon Nitride Nanocomposites. Journal of the American Ceramic Society, 2008, 91, 3129-3137.	1.9	61
29	Kinetics of current-enhanced dissolution of nickel in liquid aluminum. Acta Materialia, 2007, 55, 5592-5600.	3.8	60
30	Protonic conductivity of nano-structured yttria-stabilized zirconia: dependence on grain size. Journal of Materials Chemistry, 2010, 20, 990-994.	6.7	59
31	Grain boundaries in dense nanocrystalline ceria ceramics: exclusive pathways for proton conduction at room temperature. Journal of Materials Chemistry, 2010, 20, 10110.	6.7	57
32	Synthesis of bulk FeAl nanostructured materials by HVOF spray forming and Spark Plasma Sintering. Intermetallics, 2006, 14, 1208-1213.	1.8	55
33	Effect of single-walled carbon nanotubes on thermal and electrical properties of silicon nitride processed using spark plasma sintering. Journal of the European Ceramic Society, 2011, 31, 391-400.	2.8	55
34	Synthesis of Dense TiB ₂ -TiN Nanocrystalline Composites through Mechanical and Field Activation. Journal of the American Ceramic Society, 2001, 84, 1209-1216.	1.9	53
35	Temperature Profile Analysis in Combustion Synthesis: II, Experimental Observations. Journal of the American Ceramic Society, 1992, 75, 180-188.	1.9	52
36	Perspectives on the spark plasma sintering process. Journal of Materials Science, 2021, 56, 1-15.	1.7	52

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37	Dense WSi ₂ and WSi ₂ â€“20 vol.% ZrO ₂ composite synthesized by pressure-assisted field-activated combustion. Journal of Alloys and Compounds, 2001, 322, 120-126.	2.8	51
38	A new approach to the modeling of SHS reactions: Combustion synthesis of transition metal aluminides. Acta Materialia, 2006, 54, 2343-2351.	3.8	50
39	Defect chemistry of grain boundaries in proton-conducting solid oxides. Solid State Ionics, 2011, 196, 1-8.	1.3	49
40	Directional electromigration-enhanced interdiffusion in the Cuâ€“Ni system. Journal of Applied Physics, 2007, 102, .	1.1	47
41	Effect of pulsed DC current on atomic diffusion of Nbâ€“C diffusion couple. Journal of Materials Science, 2008, 43, 6400-6405.	1.7	46
42	Room-temperature protonic conduction in nanocrystalline films of yttria-stabilized zirconia. Journal of Materials Chemistry, 2010, 20, 6235.	6.7	46
43	Mechanistic investigation of the field-activated combustion synthesis (FACS) of titanium aluminides. Chemical Engineering Science, 1999, 54, 3349-3355.	1.9	45
44	Enhanced low-temperature protonic conductivity in fully dense nanometric cubic zirconia. Applied Physics Letters, 2006, 89, 163116.	1.5	45
45	Dense Layered Molybdenum Disilicideâ€“Silicon Carbide Functionally Graded Composites Formed by Fieldâ€“Activated Synthesis. Journal of the American Ceramic Society, 2001, 84, 962-968.	1.9	42
46	Synthesis and consolidation of nanostructured Wâ€“10â€“40wt.% Cu powders. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 405, 325-332.	2.6	42
47	Synthesis of nanocrystalline NbAl ₃ by mechanical and field activation. Intermetallics, 2001, 9, 571-580.	1.8	41
48	Structure Formation in the Combustion Synthesis of Al ₂ O ₃ â€“TiC Composites. Journal of the American Ceramic Society, 2000, 83, 507-512.	1.9	41
49	Mechanism of reactive sintering of MgAlB ₁₄ by pulse electric current. International Journal of Refractory Metals and Hard Materials, 2009, 27, 556-563.	1.7	41
50	Combustion synthesis of mechanically activated powders in the Taâ€“Si system. Journal of Alloys and Compounds, 2004, 385, 269-275.	2.8	40
51	Mechanical Properties of Î²-SiC Fabricated by Spark Plasma Sintering. Journal of Materials Engineering and Performance, 2005, 14, 460-466.	1.2	40
52	Temperature Profile Analysis in Combustion Synthesis: I, Theory and Background. Journal of the American Ceramic Society, 1992, 75, 175-179.	1.9	39
53	Characterization of low temperature protonic conductivity in bulk nanocrystalline fully stabilized zirconia. Solid State Ionics, 2009, 180, 297-301.	1.3	39
54	The structure and thermal properties of synthetic realgar (As ₄ S ₄). Journal of Inorganic and Nuclear Chemistry, 1970, 32, 3769-3774.	0.5	38

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55	Synthesis of TiC, TiC-Cu Composites, and TiC-Cu Functionally Graded Materials by Electrothermal Combustion. Journal of the American Ceramic Society, 1998, 81, 3243-3248.	1.9	38
56	Effect of pulsed DC current on neck growth between tungsten wires and tungsten plates during the initial stage of sintering by the spark plasma sintering method. Journal of Materials Science, 2012, 47, 2201-2205.	1.7	38
57	Torsion Effusion Study of the Vapor Pressure and Heat of Sublimation of Gallium. Journal of the Electrochemical Society, 1964, 111, 1170.	1.3	37
58	Synthesis of Hard Materials by Field Activation: The Synthesis of Solid Solutions and Composites in the TiB ₂ -WB ₂ -CrB ₂ System. Journal of the American Ceramic Society, 2001, 84, 2764-2770.	1.9	36
59	One-Step Synthesis and Consolidation of Nanophase Iron Aluminide. Journal of the American Ceramic Society, 2001, 84, 910-914.	1.9	35
60	Temperature-gradient joining of Ti-6Al-4V alloys by pulsed electric current sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 535, 182-188.	2.6	35
61	Thermoelectric properties of nanostructured FeSi ₂ prepared by field-activated and pressure-assisted reactive sintering. Journal of Alloys and Compounds, 2010, 492, 303-306.	2.8	33
62	Direct Evidence of Electron Accumulation in the Grain Boundary of Yttria-Doped Nanocrystalline Zirconia Ceramics. Electrochemical and Solid-State Letters, 2006, 9, J34.	2.2	32
63	Modeling Studies of the Effect of Twins on the X-ray Diffraction Patterns of Boron Carbide. Chemistry of Materials, 2004, 16, 4347-4351.	3.2	31
64	Effect of phase transformation during high energy milling on field activated synthesis of dense MoSi ₂ . Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 345, 270-277.	2.6	30
65	Synthesis of (Mg,Si)Al ₂ O ₄ Spinel from Aluminum Dross. Journal of the American Ceramic Society, 2004, 87, 496-499.	1.9	29
66	Tantalum-tungsten oxide thermite composites prepared by sol-gel synthesis and spark plasma sintering. Combustion and Flame, 2010, 157, 1566-1571.	2.8	29
67	Effect of Particle Size on the Reaction Wave Propagation in the Combustion Synthesis of Al ₂ O ₃ -ZrO ₂ -Nb Composites. Journal of the American Ceramic Society, 1999, 82, 1985-1992.	1.9	28
68	Microstructural evolution during the dissolution of nickel in liquid aluminum under the influence of an electric field. Acta Materialia, 2008, 56, 1840-1848.	3.8	28
69	Formation of MgO-B ₄ C Composite via a Thermite-Based Combustion Reaction. Journal of the American Ceramic Society, 1995, 78, 756-764.	1.9	27
70	Titanium Diboride-Tungsten Diboride Solid Solutions Formed by Induction-Field-Activated Combustion Synthesis. Journal of the American Ceramic Society, 2003, 86, 706-10.	1.9	27
71	Activation energy of tantalum-tungsten oxide thermite reactions. Combustion and Flame, 2011, 158, 117-122.	2.8	26
72	Enhancing the <i>T</i> Value of Bi-Doped Mg ₂ Si _{0.6} Sn _{0.4} Materials through Reduction of Bipolar Thermal Conductivity. ACS Applied Materials & Interfaces, 2017, 9, 28635-28641.	4.0	26

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73	Nickel/Yttria-stabilized Zirconia Cermets from Combustion Synthesis: Effect of Process Parameters on Product Microstructure. <i>Journal of the American Ceramic Society</i> , 1998, 81, 1765-1772.	1.9	25
74	Influence of pulsed DC current and electric field on growth of carbide ceramics during spark plasma sintering. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 1187-1192.	0.5	25
75	Crystallization of metallic glasses under the influence of high density dc currents. <i>Journal of Applied Physics</i> , 2004, 95, 2896-2899.	1.1	24
76	Structure and composition heterogeneity of a FeAl alloy prepared by one-step synthesis and consolidation processing and their influence on grain size characterization. <i>Journal of Alloys and Compounds</i> , 2006, 420, 158-164.	2.8	24
77	Photo-assisted synthesis of Au@PtAu core-shell nanoparticles with controllable surface composition for methanol electro-oxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18983-18989.	5.2	24
78	Mass Spectrometric and Vapor Pressure Studies on the Sublimation of Realgar (As ₄ S ₄). <i>Journal of Chemical Physics</i> , 1971, 55, 4520-4527.	1.2	23
79	Synthesis of Aluminum Nitride-Silicon Carbide Solid Solutions by Combustion Nitridation. <i>Journal of the American Ceramic Society</i> , 2000, 83, 1108-1112.	1.9	23
80	Effect of Product Conductivity on Field-Activated Combustion Synthesis. <i>Journal of the American Ceramic Society</i> , 1997, 80, 1222-1230.	1.9	23
81	Investigation of ZnO-Based Polycrystalline Ceramic Scintillators for Use as α -Particle Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 892-898.	1.2	23
82	One-step low temperature reactive consolidation of high purity nanocrystalline Mg ₂ Si. <i>Journal of Alloys and Compounds</i> , 2015, 625, 251-257.	2.8	23
83	Torsion-Effusion and Torsion-Langmuir Studies of Zinc Telluride. <i>Journal of the Electrochemical Society</i> , 1967, 114, 1236.	1.3	22
84	Direct calorimetric measurement of grain boundary and surface enthalpies in yttria-stabilized zirconia. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3039.	1.3	22
85	A kinetic model for the field-activated synthesis of MoSi ₂ /SiC composites: simulation of SPS conditions. <i>Acta Materialia</i> , 2002, 50, 3331-3346.	3.8	21
86	Simultaneous Synthesis and Densification of Titanium Nitride/ Titanium Diboride Composites by High Nitrogen Pressure Combustion. <i>Journal of the American Ceramic Society</i> , 2002, 85, 2965-2970.	1.9	21
87	Synthesis and characterization of Nb ₅ Si ₃ /Nb functionally graded composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 368, 168-174.	2.6	21
88	Heat of combustion of tantalum-tungsten oxide thermite composites. <i>Combustion and Flame</i> , 2010, 157, 2326-2332.	2.8	19
89	Densification of nano-CeO ₂ ceramics as nuclear oxide surrogate by spark plasma sintering. <i>Journal of Nuclear Materials</i> , 2010, 404, 210-216.	1.3	19
90	Consolidation of SiC/BN composite through MA-SPS method. <i>Journal of Materials Science</i> , 2008, 43, 6422-6428.	1.7	18

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91	Role of disorder-order transformation in consolidation of ceramics. <i>Journal of Materials Science</i> , 2006, 41, 727-732.	1.7	17
92	Interfacial properties of Cu/Ni/Mg ₂ Si joints prepared in one step by the spark plasma sintering method. <i>Journal of Alloys and Compounds</i> , 2017, 704, 545-551.	2.8	17
93	Dehydration kinetics of nano-YSZ ceramics monitored by in-situ infrared spectroscopy. <i>Solid State Ionics</i> , 2012, 225, 241-244.	1.3	16
94	In situ synthesis and bonding of Ti TiAl TiC/Ni functionally graded materials by field-activated pressure-assisted synthesis process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 538, 103-109.	2.6	16
95	¹ H-NMR measurements of proton mobility in nano-crystalline YSZ. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19825.	1.3	16
96	Effect of Ni and Co Additives on Phase Decomposition in TiB ₂ -WB ₂ Solid Solutions Formed by Induction Field Activated Combustion Synthesis. <i>Journal of the American Ceramic Society</i> , 2003, 86, 354-356.	1.9	15
97	Diffusion&bonding of Ti/Ni under the influence of&an&electric¤t: mechanism and bond structure. <i>Journal of Materials Science</i> , 2017, 52, 3535-3544.	1.7	15
98	Reactive Synthesis and Phase Stability Investigations in the Aluminum Nitride&Solid Silicon Carbide System. <i>Journal of the American Ceramic Society</i> , 2000, 83, 1103-1107.	1.9	14
99	Simulation Study of Wave Propagation Instabilities for the Combustion Synthesis of Transition Metals Aluminides. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7144-7152.	1.2	14
100	Combustion of zirconium powders in oxygen. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 291, 118-130.	2.6	13
101	Simultaneous Synthesis and Consolidation of Nanostructured MoSi ₂ . <i>Journal of Materials Research</i> , 2002, 17, 542-549.	1.2	13
102	Gravity effects on reactive settling in the Al&W system in SHS. <i>Intermetallics</i> , 2007, 15, 294-304.	1.8	13
103	Electric Field Enhanced Synthesis of Nanostructured Tantalum Carbide. <i>Journal of Materials Research</i> , 2002, 17, 609-613.	1.2	12
104	Simultaneous Synthesis and Densification of Titanium Oxycarbide, Ti(C,O), through Gas&Solid Combustion. <i>Journal of the American Ceramic Society</i> , 2003, 86, 2067-2073.	1.9	12
105	Enhanced Growth of Mo ₂ C formed in Mo-C Diffusion Couple by Pulsed DC Current. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2008, 55, 643-650.	0.1	12
106	Sublimation Pressure and Sublimation Coefficient of Single-Crystal Lead Selenide. <i>Journal of the American Ceramic Society</i> , 1969, 52, 610-612.	1.9	11
107	Accelerated hydrogen desorption from MgH ₂ by high-energy ball-milling with Al ₂ O ₃ . <i>Journal of Materials Science</i> , 2012, 47, 3577-3584.	1.7	11
108	The Equilibrium and Free Surface Sublimation Pressures of Oriented Single Crystals of Bismuth Telluride. <i>Journal of the Electrochemical Society</i> , 1970, 117, 248.	1.3	10

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109	Relationship between Field Direction and Wave Propagation in Activated Combustion Synthesis. Journal of the American Ceramic Society, 1996, 79, 2049-2058.	1.9	10
110	Formation Mechanism of AlN/SiC Solid Solution by Combustion Nitridation in Si ₃ N ₄ /Si-Al-C System. Journal of the American Ceramic Society, 2001, 84, 726-732.	1.9	10
111	Modeling of wave configuration during electrically ignited combustion synthesis. Journal of Materials Research, 2001, 16, 93-100.	1.2	10
112	The effect of an electric field on the microstructural development during combustion synthesis of TiN/TiC composites. Journal of Alloys and Compounds, 2002, 340, 79-87.	2.8	10
113	Zirconia-Based Metastable Solid Solutions through Self-Propagating High-Temperature Synthesis: Synthesis, Characterization, and Mechanistic Investigations. Journal of the American Ceramic Society, 2000, 83, 1935-1941.	1.9	10
114	Turbostratic boron nitride consolidated by SPS. Journal of the Ceramic Society of Japan, 2009, 117, 189-193.	0.5	10
115	Interface kinetics of combustion-induced diffusion bonding of Ni ₃ Al/Ni and TiAl/Ti under direct current field. Journal of Materials Science, 2013, 48, 1268-1274.	1.7	10
116	Electric field activated combustion synthesis in the Ti+Al system under terrestrial and reduced gravity conditions. Combustion and Flame, 2013, 160, 843-852.	2.8	10
117	Size selected silicon particles in sol-gel glass by centrifugal processing. Journal of Applied Physics, 1998, 83, 2301-2307.	1.1	9
118	Organized Arrangement of Calcium Carbonate Crystals, Directed by a Rationally Designed Protein. Crystal Growth and Design, 2018, 18, 3576-3583.	1.4	9
119	Thermoelectric and mechanical characterization of the utilization of FeTe as an electrode for iodine-doped PbTe. Journal of Alloys and Compounds, 2022, 905, 164267.	2.8	9
120	Microscopic and Spectroscopic Characterization of Stacking-Sequence Disordered SiC. Journal of the American Ceramic Society, 2015, 98, 50-56.	1.9	8
121	Modified polyol-mediated synthesis and consolidation of Gd-doped ceria nanoparticles. Solid State Ionics, 2010, 181, 372-378.	1.3	7
122	Suppression of Interfacial Diffusion in Mg ₃ Sb ₂ Thermoelectric Materials through an Mg _{4.3} Sb ₃ Ni/Mg _{3.2} Sb ₂ Y _{0.05} /Mg _{4.3} Sb ₃ Ni-C Structure. ACS Applied Materials & Interfaces, 2022, 14, 33419-33428.	4.0	7
123	Effect of Dysprosia Additive on the Consolidation of CeO ₂ by Spark Plasma Sintering. Journal of the American Ceramic Society, 2012, 95, 1524-1529.	1.9	6
124	Thermoelectric Properties and Transport Mechanism of Pure and Bi-Doped SiNWs/Mg ₂ Si. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700742.	0.8	6
125	Determination of H, OH, and O species concentrations by deuterium scavenging in low pressure acetylene-oxygen-argon flames. Combustion and Flame, 1986, 65, 243-248.	2.8	5
126	Effect of AlN Addition on the Consolidation of SiC with Stacking-Disordered Structure. Journal of the Ceramic Society of Japan, 2006, 114, 220-223.	1.3	5

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127	Effect of sintering condition on thermal and electrical properties of dense \hat{I}^2 -SiC fabricated by MA-SPS method. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 2876-2879.	0.8	5
128	Characterization of Green-Emitting Translucent Zinc Oxide Ceramics Prepared Via Spark Plasma Sintering. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 725-733.	1.1	5
129	Grain Boundary Enthalpies of Cubic Yttria-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 2011, 94, 2181-2184.	1.9	5
130	Electric Field and Current Effects on Sintering. <i>Engineering Materials</i> , 2012, , 137-158.	0.3	5
131	The Sublimation Pressure and Sublimation Coefficient of (100) Oriented Lead Telluride Single Crystals. <i>Journal of the Electrochemical Society</i> , 1970, 117, 121.	1.3	4
132	Thermodynamic properties of liquid indium-cadmium alloys. <i>Journal of the Less Common Metals</i> , 1974, 34, 293-299.	0.9	4
133	Grain Boundary Protonic Conductivity in Highly Dense Nano-crystalline Y-doped BaZrO ₃ . <i>Journal of the Korean Ceramic Society</i> , 2010, 47, 71-74.	1.1	4
134	Photo- and Cathodoluminescence of the Combustion-synthesized Al ₂ O ₃ -TiB ₂ Composites. <i>Journal of Materials Research</i> , 2000, 15, 1622-1629.	1.2	3
135	Combustion of zirconium foils in oxygen. <i>Journal of Materials Research</i> , 2001, 16, 2687-2694.	1.2	3
136	Sol gel synthesis and spark plasma sintering of lanthana-doped alumina glass. <i>Journal of Non-Crystalline Solids</i> , 2013, 363, 64-69.	1.5	2
137	Torsion-effusion study of sublimation of barium nitride. <i>Journal of Chemical & Engineering Data</i> , 1971, 16, 232-233.	1.0	1
138	Accelerated sintering of SiC Nanopowder with Stacking Disorder-Order Transformation. <i>Materials Research Society Symposia Proceedings</i> , 2005, 903, 1.	0.1	0