

Zuhair A Munir

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2208628/zuhair-a-munir-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

143
papers

6,217
citations

39
h-index

74
g-index

148
ext. papers

6,537
ext. citations

4.3
avg, IF

5.76
L-index

#	Paper	IF	Citations
143	Self-propagating exothermic reactions: The synthesis of high-temperature materials by combustion. <i>Materials Science and Engineering Reports</i> , 1989 , 3, 277-365		921
142	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	3.8	472
141	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	5.3	242
140	Electric current enhanced defect mobility in Ni3Ti intermetallics. <i>Applied Physics Letters</i> , 2004 , 85, 573-575	5.4	191
139	Transparent Nanometric Cubic and Tetragonal Zirconia Obtained by High-Pressure Pulsed Electric Current Sintering. <i>Advanced Functional Materials</i> , 2007 , 17, 3267-3273	15.6	190
138	Fundamental investigations on the spark plasma sintering/synthesis process: III. Current effect on reactivity. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 407, 24-30	5.3	179
137	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	4.1	129
136	Oxygen diffusion in nanocrystalline yttria-stabilized zirconia: the effect of grain boundaries. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 2067-72	3.6	123
135	Activation Energy for the Sublimation of Gallium Nitride. <i>Journal of Chemical Physics</i> , 1965 , 42, 4223-4228	3.9	116
134	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	2.5	109
133	Consolidation of Nanostructured SiC by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 1436-1441	3.8	98
132	Unprecedented Room-Temperature Electrical Power Generation Using Nanoscale Fluorite-Structured Oxide Electrolytes. <i>Advanced Materials</i> , 2008 , 20, 556-559	24	93
131	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	2.5	87
130	Consolidation of nanostructured SiC with disorder-order transformation. <i>Scripta Materialia</i> , 2004 , 50, 111-114	5.6	87
129	Spark plasma sintering of nanometric tungsten carbide. <i>International Journal of Refractory Metals and Hard Materials</i> , 2009 , 27, 130-139	4.1	84
128	On the conduction pathway for protons in nanocrystalline yttria-stabilized zirconia. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 3035-8	3.6	82
127	Effect of Particle Dispersion on the Mechanism of Combustion Synthesis of Titanium Silicide. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 1240-1245	3.8	81

126	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	3.8	79
125	Nanoscale Effects on the Ionic Conductivity of Highly Doped Bulk Nanometric Cerium Oxide. <i>Advanced Functional Materials</i> , 2006 , 16, 2363-2368	15.6	69
124	Influence of Synthesis Temperature on the Defect Structure of Boron Carbide: Experimental and Modeling Studies. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1382-1387	3.8	68
123	Pressure effects and grain growth kinetics in the consolidation of nanostructured fully stabilized zirconia by pulsed electric current sintering. <i>Acta Materialia</i> , 2010 , 58, 5022-5030	8.4	66
122	Spark plasma sintering and characterization of bulk nanostructured fully stabilized zirconia: Part II. Characterization studies. <i>Journal of Materials Research</i> , 2004 , 19, 3263-3269	2.5	65
121	Effect of Porosity on the Combustion Synthesis of Titanium Nitride. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 1235-1239	3.8	65
120	Effect of ball milling on simultaneous spark plasma synthesis and densification of TiC/TiB ₂ composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 434, 23-29	5.3	64
119	Simultaneous Spark Plasma Synthesis and Densification of TiC/TiB ₂ Composites. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 848-855	3.8	63
118	Wettability of transition metal oxide surfaces. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 242, 50-56	5.3	61
117	Kinetics of current-enhanced dissolution of nickel in liquid aluminum. <i>Acta Materialia</i> , 2007 , 55, 5592-5604	8.4	57
116	Engineered Nanostructures for Multifunctional Single-Walled Carbon Nanotube Reinforced Silicon Nitride Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3129-3137	3.8	57
115	Protonic conductivity of nano-structured yttria-stabilized zirconia: dependence on grain size. <i>Journal of Materials Chemistry</i> , 2010 , 20, 990-994		56
114	Grain boundaries in dense nanocrystalline ceria ceramics: exclusive pathways for proton conduction at room temperature. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10110		52
113	Effect of single-walled carbon nanotubes on thermal and electrical properties of silicon nitride processed using spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 391-400	6	50
112	Synthesis of bulk FeAl nanostructured materials by HVOF spray forming and Spark Plasma Sintering. <i>Intermetallics</i> , 2006 , 14, 1208-1213	3.5	46
111	A new approach to the modeling of SHS reactions: Combustion synthesis of transition metal aluminides. <i>Acta Materialia</i> , 2006 , 54, 2343-2351	8.4	46
110	Synthesis of Dense TiB ₂ -TiN Nanocrystalline Composites through Mechanical and Field Activation. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1209-1216	3.8	45
109	Dense WSi ₂ and WSi ₂ /20 vol.% ZrO ₂ composite synthesized by pressure-assisted field-activated combustion. <i>Journal of Alloys and Compounds</i> , 2001 , 322, 120-126	5.7	45

108	Defect chemistry of grain boundaries in proton-conducting solid oxides. <i>Solid State Ionics</i> , 2011 , 196, 1-8	3.3	44
107	Temperature Profile Analysis in Combustion Synthesis: II, Experimental Observations. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 180-188	3.8	44
106	Directional electromigration-enhanced interdiffusion in the Cu-Ni system. <i>Journal of Applied Physics</i> , 2007 , 102, 114902	2.5	42
105	Mechanistic investigation of the field-activated combustion synthesis (FACS) of titanium aluminides. <i>Chemical Engineering Science</i> , 1999 , 54, 3349-3355	4.4	41
104	Room-temperature protonic conduction in nanocrystalline films of yttria-stabilized zirconia. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6235		39
103	Mechanism of reactive sintering of MgAlB ₁₄ by pulse electric current. <i>International Journal of Refractory Metals and Hard Materials</i> , 2009 , 27, 556-563	4.1	39
102	Effect of pulsed DC current on atomic diffusion of Nb-C diffusion couple. <i>Journal of Materials Science</i> , 2008 , 43, 6400-6405	4.3	39
101	Enhanced low-temperature protonic conductivity in fully dense nanometric cubic zirconia. <i>Applied Physics Letters</i> , 2006 , 89, 163116	3.4	39
100	Synthesis of nanocrystalline NbAl ₃ by mechanical and field activation. <i>Intermetallics</i> , 2001 , 9, 571-580	3.5	39
99	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. <i>Journal of Materials Science</i> , 2012 , 47, 2201-2205	4.3	38
98	Combustion synthesis of mechanically activated powders in the Ta-Bi system. <i>Journal of Alloys and Compounds</i> , 2004 , 385, 269-275	5.7	37
97	Mechanical properties of TiC fabricated by spark plasma sintering. <i>Journal of Materials Engineering and Performance</i> , 2005 , 14, 460-466	1.6	37
96	Characterization of low temperature protonic conductivity in bulk nanocrystalline fully stabilized zirconia. <i>Solid State Ionics</i> , 2009 , 180, 297-301	3.3	36
95	Structure Formation in the Combustion Synthesis of Al ₂ O ₃ /TiC Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 507-512	3.8	36
94	Dense Layered Molybdenum Disilicide/Silicon Carbide Functionally Graded Composites Formed by Field-Activated Synthesis. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 962-968	3.8	36
93	Synthesis and consolidation of nanostructured W/0.0wt.% Cu powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 405, 325-332	5.3	34
92	Temperature Profile Analysis in Combustion Synthesis: I, Theory and Background. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 175-179	3.8	34
91	Synthesis of TiC, TiC-Cu Composites, and TiC-Cu Functionally Graded Materials by Electrothermal Combustion. <i>Journal of the American Ceramic Society</i> , 1998 , 81, 3243-3248	3.8	32

90	One-Step Synthesis and Consolidation of Nanophase Iron Aluminide. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 910-914	3.8	32
89	Direct Evidence of Electron Accumulation in the Grain Boundary of Yttria-Doped Nanocrystalline Zirconia Ceramics. <i>Electrochemical and Solid-State Letters</i> , 2006 , 9, J34		31
88	The structure and thermal properties of synthetic realgar (As ₄ S ₄). <i>Journal of Inorganic and Nuclear Chemistry</i> , 1970 , 32, 3769-3774		31
87	Effect of phase transformation during high energy milling on field activated synthesis of dense MoSi ₂ . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 345, 270-277	5.3	29
86	Synthesis of Hard Materials by Field Activation: The Synthesis of Solid Solutions and Composites in the TiB ₂ -W _{B₂} -CrB ₂ System. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 2764-2770	3.8	29
85	Thermoelectric properties of nanostructured FeSi ₂ prepared by field-activated and pressure-assisted reactive sintering. <i>Journal of Alloys and Compounds</i> , 2010 , 492, 303-306	5.7	26
84	Modeling Studies of the Effect of Twins on the X-ray Diffraction Patterns of Boron Carbide. <i>Chemistry of Materials</i> , 2004 , 16, 4347-4351	9.6	26
83	Synthesis of (Mg,Si)Al ₂ O ₄ Spinel from Aluminum Dross. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 496-499	3.8	25
82	Temperature-gradient joining of TiB ₂ -Al ₂ O ₃ alloys by pulsed electric current sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 535, 182-188	5.3	24
81	Activation energy of tantalum-tungsten oxide thermite reactions. <i>Combustion and Flame</i> , 2011 , 158, 117-122	5.3	24
80	Microstructural evolution during the dissolution of nickel in liquid aluminum under the influence of an electric field. <i>Acta Materialia</i> , 2008 , 56, 1840-1848	8.4	24
79	Titanium Diboride-tungsten Diboride Solid Solutions Formed by Induction-Field-Activated Combustion Synthesis. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 706-10	3.8	24
78	Formation of MgO-B ₄ C Composite via a Thermite-Based Combustion Reaction. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 756-764	3.8	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	13	23
76	Tantalum-tungsten oxide thermite composites prepared by sol-gel synthesis and spark plasma sintering. <i>Combustion and Flame</i> , 2010 , 157, 1566-1571	5.3	23
75	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	1	23
74	Crystallization of metallic glasses under the influence of high density dc currents. <i>Journal of Applied Physics</i> , 2004 , 95, 2896-2899	2.5	22
73	Effect of Particle Size on the Reaction Wave Propagation in the Combustion Synthesis of Al ₂ O ₃ -ZrO ₂ -Nb Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 1985-1992	3.8	22

72	Torsion Effusion Study of the Vapor Pressure and Heat of Sublimation of Gallium. <i>Journal of the Electrochemical Society</i> , 1964 , 111, 1170	3.9	22
71	One-step low temperature reactive consolidation of high purity nanocrystalline Mg ₂ Si. <i>Journal of Alloys and Compounds</i> , 2015 , 625, 251-257	5.7	21
70	Direct calorimetric measurement of grain boundary and surface enthalpies in yttria-stabilized zirconia. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 3039-42	3.6	21
69	Effect of Product Conductivity on Field-Activated Combustion Synthesis. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1222-1230	3.8	21
68	Perspectives on the spark plasma sintering process. <i>Journal of Materials Science</i> , 2021 , 56, 1-15	4.3	21
67	Investigation of ZnO-Based Polycrystalline Ceramic Scintillators for Use as α -Particle Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2009 , 56, 892-898	1.7	20
66	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	5.7	20
65	Synthesis of Aluminum Nitride/Silicon Carbide Solid Solutions by Combustion Nitridation. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1108-1112	3.8	20
64	Simultaneous Synthesis and Densification of Titanium Nitride/ Titanium Diboride Composites by High Nitrogen Pressure Combustion. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 2965-2970	3.8	20
63	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	8.4	20
62	Enhancing the zT Value of Bi-Doped MgSiSn Materials through Reduction of Bipolar Thermal Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28635-28641	9.5	19
61	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	3.9	19
60	Consolidation of SiC/BN composite through MA-SPS method. <i>Journal of Materials Science</i> , 2008 , 43, 6422-6428	4.5	18
59	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	5.3	18
58	Nickel/Yttria-Stabilized Zirconia Cermets from Combustion Synthesis: Effect of Process Parameters on Product Microstructure. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 1765-1772	3.8	18
57	Torsion-Effusion and Torsion-Langmuir Studies of Zinc Telluride. <i>Journal of the Electrochemical Society</i> , 1967 , 114, 1236	3.9	18
56	Dehydration kinetics of nano-YSZ ceramics monitored by in-situ infrared spectroscopy. <i>Solid State Ionics</i> , 2012 , 225, 241-244	3.3	16
55	Densification of nano-CeO ₂ ceramics as nuclear oxide surrogate by spark plasma sintering. <i>Journal of Nuclear Materials</i> , 2010 , 404, 210-216	3.3	16

54	In situ synthesis and bonding of TiTiAlTiC/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	5.3	15
53	Role of disorder-order transformation in consolidation of ceramics. <i>Journal of Materials Science</i> , 2006 , 41, 727-732	4.3	15
52	Effect of Ni and Co Additives on Phase Decomposition in TiB ₂ /W ₂ Solid Solutions Formed by Induction Field Activated Combustion Synthesis. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 354-358	3.8	14
51	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	5.7	12
50	Simulation study of wave propagation instabilities for the combustion synthesis of transition metals aluminides. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 7144-52	3.4	12
49	Simultaneous Synthesis and Consolidation of Nanostructured MoSi ₂ . <i>Journal of Materials Research</i> , 2002 , 17, 542-549	2.5	12
48	Combustion of zirconium powders in oxygen. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 291, 118-130	5.3	12
47	¹ H-NMR measurements of proton mobility in nano-crystalline YSZ. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 19825-30	3.6	11
46	Heat of combustion of tantalum-tungsten oxide thermite composites. <i>Combustion and Flame</i> , 2010 , 117, 2326-2332	5.3	11
45	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	0.2	11
44	Reactive Synthesis and Phase Stability Investigations in the Aluminum Nitride-Silicon Carbide System. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1103-1107	3.8	11
43	Sublimation Pressure and Sublimation Coefficient of Single-Crystal Lead Selenide. <i>Journal of the American Ceramic Society</i> , 1969 , 52, 610-612	3.8	11
42	Gravity effects on reactive settling in the Al/W system in SHS. <i>Intermetallics</i> , 2007 , 15, 294-304	3.5	10
41	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	3.8	10
40	Modeling of wave configuration during electrically ignited combustion synthesis. <i>Journal of Materials Research</i> , 2001 , 16, 93-100	2.5	10
39	The effect of an electric field on the microstructural development during combustion synthesis of TiNiTiC composites. <i>Journal of Alloys and Compounds</i> , 2002 , 340, 79-87	5.7	10
38	Relationship between Field Direction and Wave Propagation in Activated Combustion Synthesis. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 2049-2058	3.8	10
37	Electric field activated combustion synthesis in the Ti+Al system under terrestrial and reduced gravity conditions. <i>Combustion and Flame</i> , 2013 , 160, 843-852	5.3	9

36	Formation Mechanism of AlN _{0.5} SiC Solid Solution by Combustion Nitridation in Si ₃ N ₄ /Bi-Al-C System. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 726-732	3.8	9
35	The Equilibrium and Free Surface Sublimation Pressures of Oriented Single Crystals of Bismuth Telluride. <i>Journal of the Electrochemical Society</i> , 1970 , 117, 248	3.9	9
34	Diffusion bonding of Ti/Ni under the influence of an electric current: mechanism and bond structure. <i>Journal of Materials Science</i> , 2017 , 52, 3535-3544	4.3	8
33	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	4.3	8
32	Interface kinetics of combustion-diffusion bonding of Ni ₃ Al/Ni and TiAl/Ti under direct current field. <i>Journal of Materials Science</i> , 2013 , 48, 1268-1274	4.3	8
31	Turbostratic boron nitride consolidated by SPS. <i>Journal of the Ceramic Society of Japan</i> , 2009 , 117, 189-193	4.3	8
30	Zirconia-Based Metastable Solid Solutions through Self-Propagating High-Temperature Synthesis: Synthesis, Characterization, and Mechanistic Investigations. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1935-1941	3.8	8
29	Electric Field Enhanced Synthesis of Nanostructured Tantalum Carbide. <i>Journal of Materials Research</i> , 2002 , 17, 609-613	2.5	8
28	Size selected silicon particles in sol-gel glass by centrifugal processing. <i>Journal of Applied Physics</i> , 1998 , 83, 2301-2307	2.5	8
27	Microscopic and Spectroscopic Characterization of Stacking-Sequence Disordered SiC. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 50-56	3.8	7
26	Modified polyol-mediated synthesis and consolidation of Gd-doped ceria nanoparticles. <i>Solid State Ionics</i> , 2010 , 181, 372-378	3.3	7
25	Thermoelectric Properties and Transport Mechanism of Pure and Bi-Doped SiNWs-Mg ₂ Si. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1700742	1.6	6
24	Organized Arrangement of Calcium Carbonate Crystals, Directed by a Rationally Designed Protein. <i>Crystal Growth and Design</i> , 2018 , 18, 3576-3583	3.5	5
23	Effect of Dysprosia Additive on the Consolidation of CeO ₂ by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 1524-1529	3.8	5
22	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	2	5
21	Grain-Boundary Enthalpies of Cubic Yttria-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2181-2184	3.8	5
20	Determination of H, OH, and O species concentrations by deuterium scavenging in low pressure acetylene-oxygen-argon flames. <i>Combustion and Flame</i> , 1986 , 65, 243-248	5.3	5
19	Effect of AlN Addition on the Consolidation of SiC with Stacking-Disordered Structure. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 220-223		4

18	Effect of sintering condition on thermal and electrical properties of dense SiC fabricated by MA-SPS method. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 2876-2879		4
17	Thermodynamic properties of liquid indium-cadmium alloys. <i>Journal of the Less Common Metals</i> , 1974 , 34, 293-299		4
16	The Sublimation Pressure and Sublimation Coefficient of (100) Oriented Lead Telluride Single Crystals. <i>Journal of the Electrochemical Society</i> , 1970 , 117, 121	3.9	4
15	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	2.2	4
14	Electric Field and Current Effects on Sintering. <i>Engineering Materials</i> , 2012 , 137-158	0.4	3
13	Combustion of zirconium foils in oxygen. <i>Journal of Materials Research</i> , 2001 , 16, 2687-2694	2.5	3
12	Thermoelectric and mechanical characterization of the utilization of FeTe as an electrode for iodine-doped PbTe. <i>Journal of Alloys and Compounds</i> , 2022 , 905, 164267	5.7	3
11	Sol gel synthesis and spark plasma sintering of lanthana-doped alumina glass. <i>Journal of Non-Crystalline Solids</i> , 2013 , 363, 64-69	3.9	2
10	Consolidation of Carbon with Amorphous Graphite Transformation by SPS. <i>Ceramic Transactions</i> , 2010 , 31-40	0.1	2
9	Photo- and Cathodoluminescence of the Combustion-synthesized Al ₂ O ₃ /TiB ₂ Composites. <i>Journal of Materials Research</i> , 2000 , 15, 1622-1629	2.5	1
8	Sintering and Properties of Nanometric Functional Oxides. <i>Ceramic Transactions</i> , 55-61	0.1	1
7	Study on the Process Mechanism in Spark Plasma Sintering. <i>Ceramic Transactions</i> , 2011 , 1-21	0.1	
6	Accelerated sintering of SiC Nanopowder with Stacking Disorder-Order Transformation. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 903, 1		
5	Consolidation of SiC with BN Through MA SPS Method. <i>Ceramic Transactions</i> , 71-79	0.1	
4	Consolidation of Carbon Material with Disordered Structure by Spark Plasma Sintering. <i>Ceramic Transactions</i> , 153-159	0.1	
3	Structural Transformation of Stacking Disorder SiC with Densification by Spark Plasma Sintering. <i>Ceramic Transactions</i> , 143-152	0.1	
2	Spark Plasma Sintering of Less-Crystallized Boron Carbide with Defects. <i>Ceramic Transactions</i> , 101-111	0.1	
1	Analysis of the Formation of FGM Structures via Combustion Synthesis: Modeling Studies. <i>Ceramic Transactions</i> , 59-71	0.1	

