

Zuhair A Munir

List of Publications by Year in Descending Order

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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	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
142	Perspectives on the spark plasma sintering process. <i>Journal of Materials Science</i> , 2021 , 56, 1-15	4.3	21
141	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
140	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
139	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
138	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
137	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
136	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
135	Microscopic and Spectroscopic Characterization of Stacking-Sequence Disordered SiC. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 50-56	3.8	7
134	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
133	¹ H-NMR measurements of proton mobility in nano-crystalline YSZ. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 19825-30	3.6	11
132	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
131	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
130	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
129	Temperature-gradient joining of TiAl _x V 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
128	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
127	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

126	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
125	Dehydration kinetics of nano-YSZ ceramics monitored by in-situ infrared spectroscopy. <i>Solid State Ionics</i> , 2012 , 225, 241-244	3.3	16
124	Electric Field and Current Effects on Sintering. <i>Engineering Materials</i> , 2012 , 137-158	0.4	3
123	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
122	Study on the Process Mechanism in Spark Plasma Sintering. <i>Ceramic Transactions</i> , 2011 , 1-21	0.1	
121	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
120	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
119	Grain-Boundary Enthalpies of Cubic Yttria-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2181-2184	3.8	5
118	Defect chemistry of grain boundaries in proton-conducting solid oxides. <i>Solid State Ionics</i> , 2011 , 196, 1-8	3.3	44
117	Activation energy of tantalumtungsten oxide thermite reactions. <i>Combustion and Flame</i> , 2011 , 158, 117-122	5.3	24
116	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
115	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
114	Protonic conductivity of nano-structured yttria-stabilized zirconia: dependence on grain size. <i>Journal of Materials Chemistry</i> , 2010 , 20, 990-994		56
113	Room-temperature protonic conduction in nanocrystalline films of yttria-stabilized zirconia. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6235		39
112	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
111	Consolidation of Carbon with Amorphous Graphite Transformation by SPS. <i>Ceramic Transactions</i> , 2010 , 31-40	0.1	2
110	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
109	Heat of combustion of tantalumtungsten oxide thermite composites. <i>Combustion and Flame</i> , 2010 , 157, 2326-2332	5.3	11

108	Modified polyol-mediated synthesis and consolidation of Gd-doped ceria nanoparticles. <i>Solid State Ionics</i> , 2010 , 181, 372-378	3.3	7
107	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
106	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
105	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
104	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
103	Sparking plasma sintering of nanometric tungsten carbide. <i>International Journal of Refractory Metals and Hard Materials</i> , 2009 , 27, 130-139	4.1	84
102	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
101	Characterization of low temperature protonic conductivity in bulk nanocrystalline fully stabilized zirconia. <i>Solid State Ionics</i> , 2009 , 180, 297-301	3.3	36
100	On the conduction pathway for protons in nanocrystalline yttria-stabilized zirconia. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 3035-8	3.6	82
99	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
98	Turbostratic boron nitride consolidated by SPS. <i>Journal of the Ceramic Society of Japan</i> , 2009 , 117, 189-193	1.3	8
97	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
96	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
95	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
94	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
93	Consolidation of SiC/BN composite through MA-SPS method. <i>Journal of Materials Science</i> , 2008 , 43, 6422-6428	4.5	18
92	Unprecedented Room-Temperature Electrical Power Generation Using Nanoscale Fluorite-Structured Oxide Electrolytes. <i>Advanced Materials</i> , 2008 , 20, 556-559	24	93
91	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

90	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
89	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
88	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
87	Kinetics of current-enhanced dissolution of nickel in liquid aluminum. <i>Acta Materialia</i> , 2007 , 55, 5592-5604	3.4	57
86	Gravity effects on reactive settling in the Al/W system in SHS. <i>Intermetallics</i> , 2007 , 15, 294-304	3.5	10
85	Directional electromigration-enhanced interdiffusion in the Cu/Ni system. <i>Journal of Applied Physics</i> , 2007 , 102, 114902	2.5	42
84	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
83	Enhanced low-temperature protonic conductivity in fully dense nanometric cubic zirconia. <i>Applied Physics Letters</i> , 2006 , 89, 163116	3.4	39
82	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
81	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
80	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
79	Synthesis of bulk FeAl nanostructured materials by HVOF spray forming and Spark Plasma Sintering. <i>Intermetallics</i> , 2006 , 14, 1208-1213	3.5	46
78	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
77	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
76	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
75	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
74	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
73	Role of disorder-order transformation in consolidation of ceramics. <i>Journal of Materials Science</i> , 2006 , 41, 727-732	4.3	15

72	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
71	Synthesis and consolidation of nanostructured W100wt.% Cu powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 405, 325-332	5.3	34
70	Mechanical properties of SiC fabricated by spark plasma sintering. <i>Journal of Materials Engineering and Performance</i> , 2005 , 14, 460-466	1.6	37
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	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
67	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
66	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
65	Accelerated sintering of SiC Nanopowder with Stacking Disorder-Order Transformation. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 903, 1		
64	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
63	Electric current enhanced defect mobility in Ni3Ti intermetallics. <i>Applied Physics Letters</i> , 2004 , 85, 573-575	5.4	191
62	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
61	Structure Formation in the Combustion Synthesis of Al2O3/SiC Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 507-512	3.8	36
60	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
59	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
58	Synthesis of Dense TiB2-TiN Nanocrystalline Composites through Mechanical and Field Activation. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1209-1216	3.8	45
57	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
56	Synthesis of (Mg,Si)Al2O4 Spinel from Aluminum Dross. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 496-499	3.8	25
55	Consolidation of Nanostructured SiC by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 1436-1441	3.8	98

54	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
53	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
52	Consolidation of nanostructured SiC with disorder-order transformation. <i>Scripta Materialia</i> , 2004 , 50, 111-114	5.6	87
51	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
50	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
49	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
48	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
47	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
46	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
45	Effect of Ni and Co Additives on Phase Decomposition in TiB ₂ -W _B Solid Solutions Formed by Induction Field Activated Combustion Synthesis. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 354-356	3.8	14
44	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
43	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
42	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
41	Electric Field Enhanced Synthesis of Nanostructured Tantalum Carbide. <i>Journal of Materials Research</i> , 2002 , 17, 609-613	2.5	8
40	Simultaneous Synthesis and Consolidation of Nanostructured MoSi ₂ . <i>Journal of Materials Research</i> , 2002 , 17, 542-549	2.5	12
39	The effect of an electric field on the microstructural development during combustion synthesis of Ti-Ni-C composites. <i>Journal of Alloys and Compounds</i> , 2002 , 340, 79-87	5.7	10
38	Formation Mechanism of AlN-SiC Solid Solution by Combustion Nitridation in Si ₃ N ₄ -Al-C System. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 726-732	3.8	9
37	One-Step Synthesis and Consolidation of Nanophase Iron Aluminide. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 910-914	3.8	32

36	Dense Layered Molybdenum DisilicideSilicon Carbide Functionally Graded Composites Formed by Field-Activated Synthesis. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 962-968	3.8	36
35	Synthesis of Hard Materials by Field Activation: The Synthesis of Solid Solutions and Composites in the TiB ₂ /W _{B₂} /rB ₂ System. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 2764-2770	3.8	29
34	Modeling of wave configuration during electrically ignited combustion synthesis. <i>Journal of Materials Research</i> , 2001 , 16, 93-100	2.5	10
33	Combustion of zirconium foils in oxygen. <i>Journal of Materials Research</i> , 2001 , 16, 2687-2694	2.5	3
32	Dense WSi ₂ and WSi ₂ 0 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
31	Synthesis of nanocrystalline NbAl ₃ by mechanical and field activation. <i>Intermetallics</i> , 2001 , 9, 571-580	3.5	39
30	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
29	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
28	Mechanistic investigation of the field-activated combustion synthesis (FACS) of titanium aluminides. <i>Chemical Engineering Science</i> , 1999 , 54, 3349-3355	4.4	41
27	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
26	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
25	Size selected silicon particles in sol-gel glass by centrifugal processing. <i>Journal of Applied Physics</i> , 1998 , 83, 2301-2307	2.5	8
24	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
23	Formation of MgO-B ₄ C Composite via aThermite-Based Combustion Reaction. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 756-764	3.8	24
22	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
21	Temperature Profile Analysis in Combustion Synthesis: II, Experimental Observations. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 180-188	3.8	44
20	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
19	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

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	3.8	79
17	Self-propagating exothermic reactions: The synthesis of high-temperature materials by combustion. <i>Materials Science and Engineering Reports</i> , 1989 , 3, 277-365		921
16	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
15	Thermodynamic properties of liquid indium-cadmium alloys. <i>Journal of the Less Common Metals</i> , 1974 , 34, 293-299		4
14	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
13	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
12	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
11	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
10	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
9	Torsion-Effusion and Torsion-Langmuir Studies of Zinc Telluride. <i>Journal of the Electrochemical Society</i> , 1967 , 114, 1236	3.9	18
8	Activation Energy for the Sublimation of Gallium Nitride. <i>Journal of Chemical Physics</i> , 1965 , 42, 4223-4228	3.9	116
7	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
6	Consolidation of SiC with BN Through MA SPS Method. <i>Ceramic Transactions</i> , 71-79	0.1	
5	Consolidation of Carbon Material with Disordered Structure by Spark Plasma Sintering. <i>Ceramic Transactions</i> , 153-159	0.1	
4	Structural Transformation of Stacking Disorder SiC with Densification by Spark Plasma Sintering. <i>Ceramic Transactions</i> , 143-152	0.1	
3	Spark Plasma Sintering of Less-Crystallized Boron Carbide with Defects. <i>Ceramic Transactions</i> , 101-111	0.1	
2	Analysis of the Formation of FGM Structures via Combustion Synthesis: Modeling Studies. <i>Ceramic Transactions</i> , 59-71	0.1	
1	Sintering and Properties of Nanometric Functional Oxides. <i>Ceramic Transactions</i> , 55-61	0.1	1

