Mirko Schoenitz

List of Publications by Year
in descending order

165	5,420	87401	116156
papers	citations	40 h-index	66 g-index

167	167	167	2555
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ignition Mechanisms of Reactive Nanocomposite Powders Combining Al, B, and Si as Fuels with Metal Fluorides as Oxidizers. Combustion Science and Technology, 2023, 195, 597-618.	1.2	6
2	Titanium-boron reactive composite powders with variable morphology prepared by arrested reactive milling. Fuel, 2022, 310, 122313.	3.4	14
3	Effect of organic liquid process control agents on properties of ball-milled powders. Advanced Powder Technology, 2022, 33, 103332.	2.0	4
4	Potential one-pot synthesis of spherical magnesium silicate powder by mechanical milling. Powder Technology, 2022, 404, 117458.	2.1	3
5	Effect of particle morphology on reactivity, ignition and combustion of boron powders. Fuel, 2022, 324, 124538.	3.4	17
6	Atomic Scale Insights into the First Reaction Stages Prior to Al/CuO Nanothermite Ignition: Influence of Porosity. ACS Applied Materials & Interfaces, 2022, 14, 29451-29461.	4.0	11
7	Effect of Purity, Surface Modification and Iron Coating on Ignition and Combustion of Boron in Air. Combustion Science and Technology, 2021, 193, 1567-1586.	1.2	11
8	Vapor-phase decomposition of dimethyl methylphosphonate (DMMP), a sarin surrogate, in presence of metal oxides. Defence Technology, 2021, 17, 1095-1114.	2.1	22
9	Ignition of zirconium powders placed near an electrostatic discharge. Combustion and Flame, 2021, 226, 1-13.	2.8	9
10	Highly reactive spheroidal milled aluminum. Materialia, 2021, 15, 100959.	1.3	5
11	Combustion of Composites of Boron with Bismuth and Cobalt Fluorides in Different Environments. Combustion Science and Technology, 2021, 193, 1343-1358.	1.2	6
12	Transition Metal Catalysts for Boron Combustion. Combustion Science and Technology, 2021, 193, 1400-1424.	1.2	14
13	Effect of metal nitrate on mechanochemical nitration of toluene. Reaction Chemistry and Engineering, 2021, 6, 2050-2057.	1.9	1
14	Low-Temperature Exothermic Reactions in Al/CuO Nanothermites Producing Copper Nanodots and Accelerating Combustion. ACS Applied Nano Materials, 2021, 4, 3811-3820.	2.4	26
15	Study of particle lifting mechanisms in an electrostatic discharge plasma. International Journal of Multiphase Flow, 2021, 137, 103564.	1.6	11
16	Boron-Rich Composite Thermite Powders with Binary Bi₂O₃Â·CuO Oxidizers. Energy & Fuels, 2021, 35, 10327-10338.	2.5	4
17	Spherical boron powders prepared by mechanical milling in immiscible liquids. Powder Technology, 2021, 388, 41-50.	2.1	10
18	Parameters affecting mechanochemical nitration of aromatic precursors. Chemical Engineering Science, 2021, 246, 116906.	1.9	1

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19	Custom particle morphology in energetic nanocomposites prepared by arrested reactive milling in immiscible liquids. Powder Technology, 2020, 359, 238-246.	2.1	11
20	Stability and Ignition of a Siloxaneâ€Coated Magnesium Powder. Propellants, Explosives, Pyrotechnics, 2020, 45, 621-627.	1.0	6
21	Zirconium-boron reactive composite powders prepared by arrested reactive milling. Journal of Energetic Materials, 2020, 38, 142-161.	1.0	11
22	Effect of premilling Al and CuO in acetonitrile on properties of AlÂ·CuO thermites prepared by arrested reactive milling. Combustion and Flame, 2020, 214, 57-64.	2.8	16
23	Microspheres with Diverse Material Compositions Can be Prepared by Mechanical Milling. Advanced Engineering Materials, 2020, 22, 1901204.	1.6	19
24	Bismuth fluoride-coated boron powders as enhanced fuels. Combustion and Flame, 2020, 221, 1-10.	2.8	31
25	Oxidation, ignition and combustion behaviors of differently prepared boron-magnesium composites. Combustion and Flame, 2020, 221, 11-19.	2.8	33
26	Preparation and Characterization of Silicon-Metal Fluoride Reactive Composites. Nanomaterials, 2020, 10, 2367.	1.9	5
27	Mechanochemical nitration of toluene with metal oxide catalysts. Applied Catalysis A: General, 2020, 601, 117604.	2.2	6
28	Effect of boron content in BÂ·BiF3 and BÂ·Bi composites on their ignition and combustion. Combustion and Flame, 2020, 215, 78-85.	2.8	29
29	Fluorine-containing oxidizers for metal fuels in energetic formulations. Defence Technology, 2019, 15, 1-22.	2.1	112
30	Displacement of powders from surface by shock and plasma generated by electrostatic discharge. Journal of Electrostatics, 2019, 100, 103353.	1.0	7
31	Combustion of Aluminumâ€Metal Fluoride Reactive Composites in Different Environments. Propellants, Explosives, Pyrotechnics, 2019, 44, 1327-1336.	1.0	17
32	Fuel-rich aluminumâ€“nickel fluoride reactive composites. Combustion and Flame, 2019, 210, 439-453.	2.8	18
33	Heterogeneous reaction kinetics for oxidation and combustion of boron. Thermochimica Acta, 2019, 682, 178415.	1.2	19
34	Boron doped with iron: Preparation and combustion in air. Combustion and Flame, 2019, 200, 286-295.	2.8	51
35	Reactive Shell Model for Boron Oxidation. Journal of Physical Chemistry C, 2019, 123, 11807-11813.	1.5	15
36	Composite Alâ™Ti powders prepared by high-energy milling with different process controls agents. Advanced Powder Technology, 2019, 30, 1319-1328.	2.0	14

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37	Combustion of a rapidly initiated fully dense nanocomposite Alâ€“CuO thermite powder. Combustion Theory and Modelling, 2019, 23, 651-673.	1.0	5
38	Boron-Metal Fluoride Reactive Composites: Preparation and Reactions Leading to Their Ignition. Journal of Propulsion and Power, 2019, 35, 802-810.	1.3	19
39	Preparation, ignition, and combustion of magnesium-calcium iodate reactive nano-composite powders. Chemical Engineering Journal, 2019, 359, 955-962.	6.6	12
40	Combustion of boron and boronâ€“iron composite particles in different oxidizers. Combustion and Flame, 2018, 192, 44-58.	2.8	69
41	Combustion of Mg and composite MgÂ·S powders in different oxidizers. Combustion and Flame, 2018, 195, 292-302.	2.8	15
42	Inactivation of aerosolized surrogates of Bacillus anthracis spores by combustion products of aluminum- and magnesium-based reactive materials: Effect of exposure time. Aerosol Science and Technology, 2018, 52, 579-587.	1.5	8
43	High density reactive composite powders. Journal of Alloys and Compounds, 2018, 735, 1863-1870.	2.8	11
44	Nanocomposite thermite powders with improved flowability prepared by mechanical milling. Powder Technology, 2018, 327, 368-380.	2.1	22
45	Reactive Composite Boronâ€“Magnesium Powders Prepared byÂMechanical Milling. Journal of Propulsion and Power, 2018, 34, 787-794.	1.3	22
46	Mechanochemical Nitration of Aromatic Compounds. Journal of Energetic Materials, 2018, 36, 191-201.	1.0	8
47	Effect of milling temperature on structure and reactivity of Alâ€“Ni composites. Journal of Materials Science, 2018, 53, 1178-1190.	1.7	8
48	Biocidal effectiveness of combustion products of iodine-bearing reactive materials against aerosolized bacterial spores. Journal of Aerosol Science, 2018, 116, 106-115.	1.8	19
49	Combustion of Magnesium-Sulfur Composite Particles Ignited by Different Stimuli. Propellants, Explosives, Pyrotechnics, 2018, 43, 1178-1183.	1.0	1
50	Effect of process parameters on mechanochemical nitration of toluene. Journal of Materials Science, 2018, 53, 13690-13700.	1.7	11
51	Modes of Ignition of Powder Layers of Nanocomposite Thermites by Electrostatic Discharge. Journal of Energetic Materials, 2017, 35, 29-43.	1.0	15
52	Mechanochemically prepared reactive and energetic materials: a review. Journal of Materials Science, 2017, 52, 11789-11809.	1.7	85
53	Effect of purity and surface modification on stability and oxidation kinetics of boron powders. Thermochimica Acta, 2017, 652, 17-23.	1.2	32
54	Combustion of Boron and Boron-Containing Reactive Composites in Laminar and Turbulent Air Flows. Combustion Science and Technology, 2017, 189, 683-697.	1.2	24

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55	Metal-rich aluminumâ€“polytetrafluoroethylene reactive composite powders prepared by mechanical milling at different temperatures. Journal of Materials Science, 2017, 52, 7452-7465.	1.7	32
56	Boron-based reactive materials with high concentrations of iodine as a biocidal additive. Chemical Engineering Journal, 2017, 325, 495-501.	6.6	21
57	Nanocomposite Thermites with Calcium Iodate Oxidizer. Propellants, Explosives, Pyrotechnics, 2017, 42, 284-292.	1.0	27
58	Combustion Characteristics of Stoichiometric Al-CuO Nanocomposite Thermites Prepared by Different Methods. Combustion Science and Technology, 2017, 189, 555-574.	1.2	37
59	Aluminum-based materials for inactivation of aerosolized spores of Bacillus anthracis surrogates. Aerosol Science and Technology, 2017, 51, 224-234.	1.5	14
60	FUEL-RICH ALUMINUM-METAL FLUORIDE THERMITES. International Journal of Energetic Materials and Chemical Propulsion, 2017, 16, 81-101.	0.2	8
61	Preparation, Ignition, and Combustion of MgÂ·S Reactive Nanocomposites. Combustion Science and Technology, 2016, 188, 1345-1364.	1.2	14
62	Ignition and combustion of boron-based AlÂ·BÂ·I2 and MgÂ·BÂ·I2 composites. Chemical Engineering Journal, 2016, 293, 112-117.	6.6	32
63	Oxidation of nano-sized aluminum powders. Thermochimica Acta, 2016, 636, 48-56.	1.2	65
64	Bimetal Alâ€“Ni nano-powders for energetic formulations. Combustion and Flame, 2016, 173, 179-186.	2.8	30
65	Oxidation kinetics and combustion of boron particles with modified surface. Combustion and Flame, 2016, 173, 288-295.	2.8	89
66	Combustion of boron particles in products of an airâ€“acetylene flame. Combustion and Flame, 2016, 172, 194-205.	2.8	52
67	Oxidation of differently prepared Al-Mg alloy powders in oxygen. Journal of Alloys and Compounds, 2016, 685, 402-410.	2.8	10
68	Initial stages of oxidation of aluminum powder in oxygen. Journal of Thermal Analysis and Calorimetry, 2016, 125, 129-141.	2.0	25
69	Oxidation of Magnesium: Implication for Aging and Ignition. Journal of Physical Chemistry C, 2016, 120, 974-983.	1.5	43
70	Mechanically alloyed magnesiumâ€“boronâ€“iodine composite powders. Journal of Materials Science, 2016, 51, 3585-3591.	1.7	14
71	Energy storage materials with oxide-encapsulated inclusions of low melting metal. Acta Materialia, 2016, 107, 254-260.	3.8	11
72	Correlating ignition mechanisms of aluminum-based reactive materials with thermoanalytical measurements. Progress in Energy and Combustion Science, 2015, 50, 81-105.	15.8	65

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73	Effect of composition on properties of reactive AlÂ·BÂ·I2 powders prepared by mechanical milling. Journal of Physics and Chemistry of Solids, 2015, 83, 1-7.	1.9	19
74	Validation of the Thermal Oxidation Model for Al/CuO Nanocomposite Powder. Combustion Science and Technology, 2014, 186, 47-67.	1.2	18
75	Aluminumâ€“Iodoform Composite Reactive Material. Advanced Engineering Materials, 2014, 16, 909-917.	1.6	15
76	Nanocomposite and mechanically alloyed reactive materials as energetic additives in chemical oxygen generators. Combustion and Flame, 2014, 161, 2708-2716.	2.8	18
77	Kinetics of thermal decomposition of a synthetic Kâ€“H3O jarosite analog. Journal of Thermal Analysis and Calorimetry, 2014, 115, 609-620.	2.0	5
78	Iodine-containing aluminum-based fuels for inactivation of bioaerosols. Combustion and Flame, 2014, 161, 303-310.	2.8	29
79	Low-temperature exothermic reactions in fully-dense Al/MoO3 nanocomposite powders. Thermochimica Acta, 2014, 594, 1-10.	1.2	23
80	Evaluation of Kâ€“H3O jarosite as thermal witness material. Journal of Thermal Analysis and Calorimetry, 2014, 117, 141-149.	2.0	1
81	Reactive, Mechanically Alloyed AlÂ·Mg Powders with Customized Particle Sizes and Compositions. Journal of Propulsion and Power, 2014, 30, 96-104.	1.3	28
82	Ignition and combustion of mechanically alloyed Alâ€“Mg powders with customized particle sizes. Combustion and Flame, 2013, 160, 835-842.	2.8	79
83	Reaction interface between aluminum and water. International Journal of Hydrogen Energy, 2013, 38, 11222-11232.	3.8	44
84	Correlation of optical emission and pressure generated upon ignition of fully-dense nanocomposite thermite powders. Combustion and Flame, 2013, 160, 734-741.	2.8	34
85	Nearly Pure Aluminum Powders with Modified Protective Surface. Combustion Science and Technology, 2013, 185, 1360-1377.	1.2	5
86	Preparation, ignition, and combustion of mechanically alloyed Al-Mg powders with customized particle sizes. Materials Research Society Symposia Proceedings, 2013, 1521, 1.	0.1	2
87	Nano-structured Aluminum Powders with Modified Protective Surface Layers. Materials Research Society Symposia Proceedings, 2013, 1521, 1.	0.1	2
88	Metastable Aluminum-Based Reactive Composite Materials Prepared by Cryomilling. , 2012, , .		3
89	Inactivation of Aerosolized Bacillus atrophaeus (BG) Endospores and MS2 Viruses by Combustion of Reactive Materials. Environmental Science & Technology, 2012, 46, 7334-7341.	4.6	42
90	Calorimetric investigation of the aluminumâ€“water reaction. International Journal of Hydrogen Energy, 2012, 37, 11035-11045.	3.8	39

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91	Oxidation, ignition, and combustion of AlÂ·I2 composite powders. Combustion and Flame, 2012, 159, 1980-1986.	2.8	41
92	OXIDATION, IGNITION AND COMBUSTION OF AL-HYDROCARBON COMPOSITE REACTIVE POWDERS. International Journal of Energetic Materials and Chemical Propulsion, 2012, 11, 353-373.	0.2	3
93	ON GAS RELEASE BY THERMALLY-INITIATED FULLY-DENSE 2AlÂ·3CuO NANOCOMPOSITE POWDER. International Journal of Energetic Materials and Chemical Propulsion, 2012, 11, 275-292.	0.2	9
94	Aluminum-Metal Reactive Composites. Combustion Science and Technology, 2011, 183, 1107-1132.	1.2	35
95	Reactions leading to ignition in fully dense nanocomposite Al-oxide systems. Combustion and Flame, 2011, 158, 1076-1083.	2.8	38
96	Consolidation and mechanical properties of reactive nanocomposite powders. Powder Technology, 2011, 208, 637-642.	2.1	25
97	Method for Studying Survival of Airborne Viable Microorganisms in Combustion Environments: Development and Evaluation. Aerosol and Air Quality Research, 2010, 10, 414-424.	0.9	32
98	The effect of surface modification of aluminum powder on its flowability, combustion and reactivity. Powder Technology, 2010, 204, 63-70.	2.1	67
99	Mechanically alloyed Alâ€“I composite materials. Journal of Physics and Chemistry of Solids, 2010, 71, 1213-1220.	1.9	42
100	Oxidation of aluminum powders at high heating rates. Thermochimica Acta, 2010, 507-508, 115-122.	1.2	51
101	Characterization of Fine Nickel-Coated Powder as Potential Fuel Additive. Journal of Propulsion and Power, 2010, 26, 454-460.	1.3	25
102	Oxidation of Aluminum Particles in Mixed CO₂/H₂O Atmospheres. Journal of Physical Chemistry C, 2010, 114, 18925-18930.	1.5	18
103	Iodine Release, Oxidation, and Ignition of Mechanically Alloyed Alâ˜I Composites. Journal of Physical Chemistry C, 2010, 114, 19653-19659.	1.5	43
104	Thermal inactivation of airborne viable Bacillus subtilis spores by short-term exposure in axially heated air flow. Journal of Aerosol Science, 2010, 41, 352-363.	1.8	40
105	Mechanically Alloyed Al-I Composite Materials. , 2010, , .		0
106	Characterization of Fine Aluminum Powder Coated with Nickel as a Potential Fuel Additive. , 2010, , .		1
107	PREPARATION AND CHARACTERIZATION OF GRANULAR HYBRID REACTIVE MATERIALS. International Journal of Energetic Materials and Chemical Propulsion, 2010, 9, 267-284.	0.2	6
108	Aluminum Powder Oxidation in CO₂ and Mixed CO₂/O₂ Environments. Journal of Physical Chemistry C, 2009, 113, 6768-6773.	1.5	23

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109	Mechanical alloying and reactive milling in a high energy planetary mill. Journal of Alloys and Compounds, 2009, 478, 246-251.	2.8	70
110	Nanocomposite thermite powders prepared by cryomilling. Journal of Alloys and Compounds, 2009, 488, 386-391.	2.8	50
111	Oxidation of Aluminum Particles in the Presence of Water. Journal of Physical Chemistry B, 2009, 113, 5136-5140.	1.2	50
112	Aluminum Rich Al-CuO Nanocomposite Materials Prepared by Arrested Reactive Milling at Cryogenic and Room Temperature. , 2009, , .		3
113	Mechanically Alloyed Al-Ti Powders Prepared by Mechanical Milling at Cryogenic Temperatures. , 2009, , .		1
114	On problems of isoconversion data processing for reactions in Al-rich Alâ€“MoO3 thermites. Thermochimica Acta, 2008, 477, 1-6.	1.2	22
115	Fully Dense, Aluminum-Rich Al-CuO Nanocomposite Powders for Energetic Formulations. , 2008, , .		0
116	Mechanical Alloying and Reactive Milling in a High Energy Planetary Mill. , 2008, , .		1
117	Synthesis of Aluminum-Rich Nanocomposite Powders at Cryogenic Tempatures. , 2008, , .		0
118	Oxidation and Ignition of Aluminum Particles in the Presence of Water Vapor. , 2008, , .		1
119	Combustion of Boron-Titanium Nanocomposite Powders in Different Environments. Journal of Propulsion and Power, 2008, 24, 184-191.	1.3	58
120	Fully Dense, Aluminum-Rich Al-CuO Nanocomposite Powders for Energetic Formulations. Combustion Science and Technology, 2008, 181, 97-116.	1.2	84
121	Aluminum-Rich Al-MoO3 Nanocomposite Powders Prepared by Arrested Reactive Milling. Journal of Propulsion and Power, 2008, 24, 192-198.	1.3	97
122	Mechanically alloyed Alâ€“Li powders. Journal of Alloys and Compounds, 2007, 432, 111-115.	2.8	37
123	Heterogeneous Processes Leading To Metal Ignition In Reactive Nanocomposite Materials. , 2007, , .		1
124	Fuel-Rich Al-MoO3 Nanocomposites Prepared by Arrested Reactive Milling. , 2007, , .		3
125	Kinetic Analysis of Thermite Reactions in Al-MoO3 Nanocomposites. Journal of Propulsion and Power, 2007, 23, 683-687.	1.3	56
126	Arrested Reactive Milling Synthesis and Characterization of Sodium-Nitrate Based Reactive Composites. Propellants, Explosives, Pyrotechnics, 2007, 32, 32-41.	1.0	31

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127	REFLECTED SHOCK IGNITION AND COMBUSTION OF ALUMINUM AND NANOCOMPOSITE THERMITE POWDERS. Combustion Science and Technology, 2007, 179, 457-476.	1.2	58
128	Oxidation and Melting of Aluminum Nanopowders. Journal of Physical Chemistry B, 2006, 110, 13094-13099.	1.2	143
129	Effect of polymorphic phase transformations in alumina layer on ignition of aluminium particles. Combustion Theory and Modelling, 2006, 10, 603-623.	1.0	281
130	Combustion of Boron-Titanium Nanocomposite Powders in Different Environments. , 2006, , .		4
131	Kinetic Analysis of Thermite Reactions in Al-MoO3 Nanocomposites. , 2006, , .		1
132	Control of Structural Refinement and Composition in Al-MoO3 Nanocomposites Prepared by Arrested Reactive Milling. Propellants, Explosives, Pyrotechnics, 2006, 31, 382-389.	1.0	74
133	Ignition of aluminum-rich Alâ€“Ti mechanical alloys in air. Combustion and Flame, 2006, 144, 688-697.	2.8	94
134	Experimental methodology and heat transfer model for identification of ignition kinetics of powdered fuels. International Journal of Heat and Mass Transfer, 2006, 49, 4943-4954.	2.5	109
135	Exothermic reactions in Alâ€“CuO nanocomposites. Thermochimica Acta, 2006, 451, 34-43.	1.2	161
136	Oxidation of Mechanically Alloyed Al-rich Alâ€“Ti Powders. Oxidation of Metals, 2006, 65, 357-376.	1.0	11
137	High-temperature phase equilibria in the system Zrâ€“Oâ€“N. Journal of Materials Research, 2006, 21, 320-328.	1.2	12
138	Fully dense nano-composite energetic powders prepared by arrested reactive milling. Proceedings of the Combustion Institute, 2005, 30, 2071-2078.	2.4	124
139	A study of mechanical alloying processes using reactive milling and discrete element modeling. Acta Materialia, 2005, 53, 2909-2918.	3.8	79
140	Effect of polymorphic phase transformations in Al2O3 film on oxidation kinetics of aluminum powders. Combustion and Flame, 2005, 140, 310-318.	2.8	448
141	Carbide formation in Alâ€“Ti mechanical alloys. Scripta Materialia, 2005, 53, 1095-1099.	2.6	23
142	Ignition of Aluminum Powders Under Different Experimental Conditions. Propellants, Explosives, Pyrotechnics, 2005, 30, 36-43.	1.0	199
143	Numerical Simulation of Mechanical Alloying in a Shaker Mill by Discrete Element Method. KONA Powder and Particle Journal, 2005, 23, 152-162.	0.9	10
144	Melting and Oxidation of Nanometer Size Aluminum Powders. Materials Research Society Symposia Proceedings, 2005, 896, 61.	0.1	0

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145	Structural Refinement in Al-MoO₃ Nanocomposites Prepared by Arrested Reactive Milling. Materials Research Society Symposia Proceedings, 2005, 896, 41.	0.1	4
146	Reactive Al-Li Powders Prepared by Mechanical Alloying. Materials Research Society Symposia Proceedings, 2005, 896, 81.	0.1	3
147	Effect of temperature on synthesis and properties of aluminumâ€“magnesium mechanical alloys. Journal of Alloys and Compounds, 2005, 402, 70-77.	2.8	33
148	Nano-Composite Energetic Powders Prepared by Arrested Reactive Milling. , 2005, , .		2
149	Arrested Reactive Milling for In-Situ Production of Energetic Nanocomposites for Propulsion and Energy-Intensive Technologies in Exploration Missions. , 2005, , .		1
150	Mechanical Alloys in the Al-Rich Part of the Al-Ti Binary System. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 455-461.	0.1	19
151	Experimental technique for studying high-temperature phases in reactive molten metal based systems. Review of Scientific Instruments, 2004, 75, 5177-5185.	0.6	11
152	COMBUSTION OF AEROSOLIZED SPHERICAL ALUMINUM POWDERS AND FLAKES IN AIR. Combustion Science and Technology, 2004, 176, 1055-1069.	1.2	48
153	Oxidation Processes and Phase Changes in Metastable Al-Mg Alloys. Journal of Propulsion and Power, 2004, 20, 1064-1068.	1.3	39
154	Structure and properties of Alâ€“Mg mechanical alloys. Journal of Materials Research, 2003, 18, 1827-1836.	1.2	103
155	Aluminum in magnesium silicate perovskite: Formation, structure, and energetics of magnesium-rich defect solid solutions. Journal of Geophysical Research, 2003, 108, .	3.3	50
156	Constant Volume Explosions of Aerosols of Metallic Mechanical Alloys and Powder Blends. Journal of Propulsion and Power, 2003, 19, 405-412.	1.3	66
157	Oxidation Processes and Phase Changes in Metastable Al-Ti Mechanical Alloys. Materials Research Society Symposia Proceedings, 2003, 800, 115.	0.1	2
158	Production of carbon-coated aluminium nanopowders in pulsed microarc discharge. Nanotechnology, 2002, 13, 638-643.	1.3	49
159	Aluminum in Magnesium Silicate Perovskite: Synthesis and Energetics of Defect Solid Solutions. Materials Research Society Symposia Proceedings, 2002, 718, 1.	0.1	2
160	Morphology and composition of the fly ash particles produced in incineration of municipal solid waste. Fuel Processing Technology, 2002, 75, 173-184.	3.7	50
161	Enthalpy of formation of CaSi 2 O 5, a quenched high-pressure phase with pentacoordinate silicon. Physics and Chemistry of Minerals, 2001, 28, 57-60.	0.3	20
162	Thermodynamic data of lawsonite and zoisite in the system CaOâ€“Al2O3â€“SiO2â€“H2O based on experimental phase equilibria and calorimetric work. Contributions To Mineralogy and Petrology, 2001, 142, 298-308.	1.2	16

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163	The enthalpy of transformation of Ca(OH) 2 -I (portlandite) to Ca(OH) 2 -II (EuI 2 structure) by low-temperature DSC. Physics and Chemistry of Minerals, 2000, 27, 604-609.	0.3	5
164	Enthalpy of formation of katoite Ca₂Al₂[(OH)₄]₃; energetics of the hydrogarnet substitution. American Mineralogist, 1999, 84, 389-391.	0.9	15
165	The Effect of Heating Rate on Combustion of Fully Dense Nanocomposite Thermite Particles. Combustion Science and Technology, 0, , 1-19.	1.2	4