

Minghao Fang

List of Publications by Year in descending order

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192
papers

5,398
citations

94269

37
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114278

63
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196
all docs

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docs citations

196
times ranked

5527
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of point defects on the thermal transport properties of $(\text{La}_x\text{Gd}_{1-x})_2\text{Zr}_2\text{O}_7$: Experiment and theoretical model. <i>Physical Review B</i> , 2006, 74, .	1.1	270
2	New Yellow-Emitting Whitlockite-type Structure $\text{Sr}_{1.75}\text{Ca}_{1.25}(\text{PO}_4)_2\text{:Eu}^{2+}$ Phosphor for Near-UV Pumped White Light-Emitting Devices. <i>Inorganic Chemistry</i> , 2014, 53, 5129-5135.	1.9	258
3	Significantly Enhanced Uranium Extraction from Seawater with Mass Produced Fully Amidoximated Nanofiber Adsorbent. <i>Advanced Energy Materials</i> , 2018, 8, 1802607.	10.2	219
4	Ultralight, scalable, and high-temperature "resilient ceramic nanofiber sponges. <i>Science Advances</i> , 2017, 3, e1603170.	4.7	207
5	Discovery of New Solid Solution Phosphors via Cation Substitution-Dependent Phase Transition in $\text{M}_3(\text{PO}_4)_2\text{:Eu}^{2+}$ ($\text{M} = \text{Ca/Sr/Ba}$) Quasi-Binary Sets. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2038-2045.	1.5	187
6	Energy Transfer from Sm^{3+} to Eu^{3+} in Red-Emitting Phosphor $\text{LaMgAl}_{11}\text{O}_{19}\text{:Sm}^{3+}$, Eu^{3+} for Solar Cells and Near-Ultraviolet White Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2014, 53, 6060-6065.	1.9	133
7	Crystal structure and Temperature-Dependent Luminescence Characteristics of $\text{KMg}_4(\text{PO}_4)_3\text{:Eu}^{2+}$ phosphor for White Light-emitting diodes. <i>Scientific Reports</i> , 2015, 5, 9673.	1.6	109
8	Phase Transformation in $\text{Ca}_3(\text{PO}_4)_2\text{:Eu}^{2+}$ via the Controlled Quenching and Increased Eu^{2+} Content: Identification of New Cyan-Emitting $\text{Ca}_3(\text{PO}_4)_2\text{:Eu}^{2+}$ Phosphor. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3280-3284.	1.9	103
9	Luminescence Properties and Energy Transfer of Eu/Mn -Coactivated $\text{Mg}_2\text{Al}_4\text{Si}_5\text{O}_{18}$ as a Potential Phosphor for White-Light LEDs. <i>Inorganic Chemistry</i> , 2014, 53, 11396-11403.	1.9	94
10	Red-Shifted Emission in $\text{Y}_3\text{MgSiAl}_3\text{O}_{12}\text{:Ce}^{3+}$ Garnet Phosphor for Blue Light-Pumped White Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15659-15665.	1.5	93
11	High-Temperature Particulate Matter Filtration with Resilient Yttria-Stabilized ZrO_2 Nanofiber Sponge. <i>Small</i> , 2018, 14, e1800258.	5.2	87
12	Reversible precipitation/dissolution of precious-metal clusters in perovskite-based catalyst materials: Bulk versus surface re-dispersion. <i>Journal of Catalysis</i> , 2012, 293, 145-148.	3.1	86
13	Preparation and thermal properties of shape-stabilized composite phase change materials based on polyethylene glycol and porous carbon prepared from potato. <i>RSC Advances</i> , 2016, 6, 15821-15830.	1.7	85
14	Novel pyrochlore-type $\text{La}_2\text{Zr}_2\text{O}_7$: Eu^{3+} red phosphors: Synthesis, structural, luminescence properties and theoretical calculation. <i>Dyes and Pigments</i> , 2018, 157, 47-54.	2.0	77
15	$\text{Ca}_6\text{La}_4(\text{SiO}_4)_2(\text{PO}_4)_4\text{O}_2\text{:Eu}^{2+}$ a novel apatite green-emitting phosphor for near-ultraviolet excited w-LEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4675-4683.	2.7	71
16	Effect of La_2O_3 additives on the strength and microstructure of mullite ceramics obtained from coal gangue and Al_2O_3 . <i>Ceramics International</i> , 2013, 39, 6841-6846.	2.3	69
17	2D Metals by Repeated Size Reduction. <i>Advanced Materials</i> , 2016, 28, 8170-8176.	11.1	68
18	Crystal structure evolution and luminescence properties of color tunable solid solution phosphors $\text{Ca}_{2+x}\text{La}_{8-x}(\text{SiO}_4)_6(\text{PO}_4)_x\text{O}_2\text{:Eu}^{2+}$. <i>Dalton Transactions</i> , 2016, 45, 1007-1015.	1.8	68

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19	Preparation and characterization of carbon foams derived from aluminosilicate and phenolic resin. Carbon, 2011, 49, 1782-1786.	5.4	61
20	Ultralight and resilient Al ₂ O ₃ nanotube aerogels with low thermal conductivity. Journal of the American Ceramic Society, 2018, 101, 1677-1683.	1.9	61
21	Fe-catalyzed growth of one-dimensional β -Si ₃ N ₄ nanostructures and their cathodoluminescence properties. Scientific Reports, 2013, 3, 3504.	1.6	60
22	Emission red shift and energy transfer behavior of color-tunable KMg ₄ (PO ₄) ₃ :Eu ²⁺ , Mn ²⁺ phosphors. Journal of Materials Chemistry C, 2015, 3, 5516-5523.	2.7	59
23	Synthesis of SiC nanowires by thermal evaporation method without catalyst assistant. Ceramics International, 2013, 39, 1957-1962.	2.3	57
24	Co-catalyzed nitridation of silicon and in-situ growth of β -Si ₃ N ₄ nanorods. Ceramics International, 2014, 40, 11063-11070.	2.3	55
25	Surface graphited carbon scaffold enables simple and scalable fabrication of 3D composite lithium metal anode. Journal of Materials Chemistry A, 2017, 5, 19168-19174.	5.2	55
26	Thermal evaporation synthesis of SiC/SiO _x nanochain heterojunctions and their photoluminescence properties. Journal of Materials Chemistry C, 2014, 2, 7761-7767.	2.7	50
27	Properties and microstructure of machinable Al ₂ O ₃ /LaPO ₄ ceramic composites. Ceramics International, 2003, 29, 19-25.	2.3	48
28	Growth of β -Si ₃ N ₄ nanobelts via Ni-catalyzed thermal chemical vapour deposition and their violet-blue luminescent properties. CrystEngComm, 2013, 15, 785-790.	1.3	48
29	Synthesis of Er-doped Bi ₂ WO ₆ and enhancement in photocatalytic activity induced by visible light. RSC Advances, 2015, 5, 94887-94894.	1.7	45
30	Continuous Draw Spinning of Extra-Long Silver Submicron Fibers with Micrometer Patterning Capability. Nano Letters, 2017, 17, 1883-1891.	4.5	45
31	Luminescence Properties and Energy Transfer Behavior of a Novel and Color-Tunable LaMgAl ₁₁ O ₁₉ :Tm ³⁺ , Dy ³⁺ Phosphor for White Light-Emitting Diodes. Journal of the American Ceramic Society, 2015, 98, 788-794.	1.9	43
32	Luminescence and energy transfer of a color tunable phosphor: Tb ³⁺ and Eu ³⁺ co-doped ScPO ₄ . RSC Advances, 2016, 6, 28887-28894.	1.7	42
33	Preparation and luminescent properties of orange reddish emitting phosphor LaMgAl ₁₁ O ₁₉ :Sm ³⁺ . Optical Materials, 2014, 37, 110-114.	1.7	41
34	Large-scale blow spinning of heat-resistant nanofibrous air filters. Nano Research, 2020, 13, 861-867.	5.8	41
35	Highly Flexible Indium Tin Oxide Nanofiber Transparent Electrodes by Blow Spinning. ACS Applied Materials & Interfaces, 2016, 8, 32661-32666.	4.0	40
36	Mechanical and thermal properties of LaMgAl ₁₁ O ₁₉ . Materials Research Bulletin, 2010, 45, 1506-1508.	2.7	39

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37	Catalyst-assisted synthesis and growth mechanism of ultra-long single crystal β -Si ₃ N ₄ nanobelts with strong violet-blue luminescent properties. CrystEngComm, 2012, 14, 7301.	1.3	39
38	Luminescent properties of white-light-emitting phosphor LaMgAl ₁₁ O ₁₉ :Dy ³⁺ . Materials Letters, 2014, 125, 140-142.	1.3	38
39	Catalytic synthesis and growth mechanism of SiC@SiO ₂ nanowires and their photoluminescence properties. CrystEngComm, 2013, 15, 9032.	1.3	36
40	The luminescence properties of novel β -Mg ₂ Al ₄ Si ₅ O ₁₈ :Eu ²⁺ phosphor prepared in air. RSC Advances, 2014, 4, 18234-18239.	1.7	35
41	Tunable SrAl ₂ Si ₂ O ₈ : Eu phosphor prepared in air via valence state-controlled means. Optical Materials, 2015, 42, 80-86.	1.7	35
42	Crystal structure and luminescence property of a novel single-phase white light emission phosphor KCaBi(PO ₄) ₂ :Dy ³⁺ . Materials Research Bulletin, 2017, 86, 146-152.	2.7	35
43	Synthesis of β -Si ₃ N ₄ powder from quartz via carbothermal reduction nitridation. Powder Technology, 2013, 235, 728-734.	2.1	34
44	Effect of LaPO ₄ content on the microstructure and machinability of Al ₂ O ₃ /LaPO ₄ composites. Materials Letters, 2002, 57, 822-827.	1.3	33
45	Novel carbon-incorporated porous ZnFe ₂ O ₄ nanospheres for enhanced photocatalytic hydrogen generation under visible light irradiation. RSC Advances, 2016, 6, 56069-56076.	1.7	33
46	Solid particle erosion-wear behavior of SiC-Si ₃ N ₄ composite ceramic at elevated temperature. Ceramics International, 2014, 40, 16201-16207.	2.3	32
47	Effect of different Bi/Ti molar ratios on visible-light photocatalytic activity of BiOI/TiO ₂ heterostructured nanofibers. Ceramics International, 2016, 42, 15780-15786.	2.3	32
48	Synthesis and photoluminescence properties of novel thermally robust Na ₃ GdP ₂ O ₈ : Re ³⁺ (Re ³⁺ =Sm, Dy) phosphors. Chemical Physics Letters, 2018, 710, 84-89.	1.2	32
49	Microstructure and mechanical properties of machinable Al ₂ O ₃ /LaPO ₄ composites by hot pressing. Ceramics International, 2003, 29, 83-89.	2.3	31
50	The effects of atmosphere and calcined temperature on photocatalytic activity of TiO ₂ nanofibers prepared by electrospinning. Nanoscale Research Letters, 2013, 8, 548.	3.1	31
51	Synthesis of Si ₃ N ₄ powder with tunable β -Si ₃ N ₄ content from waste silica fume using carbothermal reduction nitridation. Powder Technology, 2014, 252, 51-55.	2.1	31
52	Electrospun mullite fibers from the sol-gel precursor. Journal of Sol-Gel Science and Technology, 2015, 74, 208-219.	1.1	31
53	Fe(NO ₃) ₃ -assisted large-scale synthesis of Si ₃ N ₄ nanobelts from quartz and graphite by carbothermal reduction nitridation and their photoluminescence properties. Scientific Reports, 2015, 5, 8998.	1.6	30
54	One-pot hydrothermal synthesis and high temperature thermal stability of CexZr _{1-x} O ₂ nanocrystals. RSC Advances, 2013, 3, 19508.	1.7	29

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55	Solid particle erosion of alumina ceramics at elevated temperature. <i>Materials Chemistry and Physics</i> , 2013, 139, 765-769.	2.0	29
56	Study on the slag corrosion resistance of unfired Al ₂ O ₃ -SiC/Sialon/Ti(C, N)-C refractories. <i>Ceramics International</i> , 2014, 40, 1593-1598.	2.3	29
57	Synthesis and optical properties of Pr ³⁺ -doped LaMgAl ₁₁ O ₁₉ -A novel blue converting yellow phosphor for white light emitting diodes. <i>Ceramics International</i> , 2015, 41, 4238-4242.	2.3	29
58	Powder synthesis and properties of LiTaO ₃ ceramics. <i>Advanced Powder Technology</i> , 2014, 25, 933-936.	2.0	27
59	Energy transfer and thermal stability of Ce ³⁺ , Tb ³⁺ co-doped Ca ₃ Si ₂ O ₄ N ₂ phosphors for white light-emitting diodes. <i>Chemical Physics Letters</i> , 2017, 690, 31-37.	1.2	27
60	Energy transfer mechanism and color-tunable luminescence properties of Eu ³⁺ -doped BaMg ₂ V ₂ O ₈ vanadate phosphors. <i>Chemical Physics Letters</i> , 2016, 662, 86-90.	1.2	26
61	Synthesis of β -SiC nanowires via a facile CVD method and their photoluminescence properties. <i>RSC Advances</i> , 2016, 6, 24267-24272.	1.7	26
62	Controllable synthesis of Titania-Supported Bismuth Oxyiodide Heterostructured Nanofibers with Highly Exposed (110) Bismuth Oxyiodide Facets for Enhanced Photocatalytic Activity. <i>ChemCatChem</i> , 2016, 8, 3780-3789.	1.8	25
63	Luminescence properties and energy transfer behavior of colour-tunable white-emitting Sr ₄ Al ₁₄ O ₂₅ phosphors with co-doping of Eu ²⁺ , Eu ³⁺ and Mn ⁴⁺ . <i>RSC Advances</i> , 2017, 7, 52995-53001.	1.7	25
64	Synthesis and photoluminescence properties of novel BiBa ₂ V ₃ O ₁₁ : A (A=Sm ³⁺ , Eu ³⁺) phosphors. <i>Optical Materials</i> , 2015, 49, 266-270.	1.7	24
65	Crystal structure and luminescence properties of a single-component white-light-emitting phosphor Ca ₈ ZnLa(PO ₄) ₇ :Eu ²⁺ , Mn ²⁺ . <i>Journal of the American Ceramic Society</i> , 2017, 100, 3050-3060.		
66	Effect of Al ₂ O ₃ addition on properties of non-sintered SiC-Si ₃ N ₄ composite refractory materials. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 46, 6-11.	1.7	23
67	β -Sialon nanowires, nanobelts and hierarchical nanostructures: morphology control, growth mechanism and cathodoluminescence properties. <i>Nanoscale</i> , 2014, 6, 424-432.	2.8	23
68	Novel calcium hexaluminate/spinel-alumina composites with graded microstructures and mechanical properties. <i>Scientific Reports</i> , 2014, 4, 4333.	1.6	23
69	Preparation and growth mechanism of β -SiC nanowires by using a simplified thermal evaporation method. <i>Journal of Crystal Growth</i> , 2015, 419, 20-24.	0.7	23
70	AC ₃ N ₄ /Bi ₂ WO ₆ organic-inorganic hybrid photocatalyst with a high visible-light-driven photocatalytic activity. <i>Journal of Materials Research</i> , 2016, 31, 713-720.	1.2	23
71	Preparation and mechanical properties of Fe/Mo-Sialon ceramic composites. <i>Scripta Materialia</i> , 2009, 61, 632-635.	2.6	22
72	Synthesis and formation mechanism of twinned SiC nanowires made by a catalyst-free thermal chemical vapour deposition method. <i>RSC Advances</i> , 2014, 4, 18360-18364.	1.7	22

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73	Morphology controlling method for amorphous silica nanoparticles and jellyfish-like nanowires and their luminescence properties. <i>Scientific Reports</i> , 2016, 6, 22459.	1.6	21
74	Crystal structure tailoring and luminescence tuning of Sr ¹⁺ Ba Al ₂ Si ₂ O ₈ :Eu ²⁺ phosphors for white-light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2019, 776, 554-559.	2.8	21
75	Improved low-temperature reducibility in ceria zirconiananoparticles by redox treatment. <i>Journal of Materials Chemistry</i> , 2012, 22, 1770-1773.	6.7	20
76	Novel, low-cost solid-liquid-solid process for the synthesis of β -Si ₃ N ₄ nanowires at lower temperatures and their luminescence properties. <i>Scientific Reports</i> , 2015, 5, 17250.	1.6	20
77	Preparation, crystal structure and up-conversion luminescence of Er ³⁺ , Yb ³⁺ co-doped Gd ₂ (WO ₄) ₃ . <i>RSC Advances</i> , 2015, 5, 73077-73082.	1.7	20
78	Preparation of Al ₂ O ₃ -SiC composite powder from kyanite tailings via carbothermal reduction process. <i>Advances in Applied Ceramics</i> , 2018, 117, 9-15.	0.6	20
79	Nd-Sialon Microcrystals with an Orthogonal Array. <i>Crystal Growth and Design</i> , 2010, 10, 2439-2442.	1.4	19
80	Preparation and Formation Mechanism of Elongated (Ca, Dy)-Sialon Powder via Carbothermal Reduction and Nitridation. <i>Journal of the American Ceramic Society</i> , 2012, 95, 1871-1877.	1.9	19
81	Structural and luminescence properties of red-emitting Cs ¹⁺ MgPO ₄ :xEu ²⁺ phosphors for near-UV-pumped light emitting diodes. <i>RSC Advances</i> , 2015, 5, 9933-9938.	1.7	19
82	Discovery of novel solid solution Ca ₃ Si ₃ O _{3+x} N ₄ ^{2x} :Eu ²⁺ phosphors: structural evolution and photoluminescence tuning. <i>Scientific Reports</i> , 2017, 7, 18103.	1.6	19
83	Phase transformation of coal gangue by aluminothermic reduction nitridation: Influence of sintering temperature and aluminum content. <i>Applied Clay Science</i> , 2014, 101, 94-99.	2.6	18
84	Cyan-emitting LiBaBO ₃ :Eu ²⁺ phosphor: Crystal structure and luminescence property comparison with LiSrBO ₃ :Eu ²⁺ . <i>Chemical Physics Letters</i> , 2015, 628, 21-24.	1.2	18
85	The Influence of Platelet-Like LaMgAl ₁₁ O ₁₉ on the Toughness of 3Åmol% Ytria Partially Stabilized Zirconia Ceramic. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 176-183.	1.1	18
86	Phase behavior analysis of MgO-C refractory at high temperature: Influence of Si powder additives. <i>Ceramics International</i> , 2015, 41, 5186-5190.	2.3	18
87	Preparation and thermal properties of phase change materials based on paraffin with expanded graphite and carbon foams prepared from sucroses. <i>RSC Advances</i> , 2016, 6, 95085-95091.	1.7	18
88	Efficient Adsorption of the Cd(II) and As(V) Using Novel Adsorbent Ferrihydrite/Manganese Dioxide Composites. <i>ACS Omega</i> , 2019, 4, 18627-18636.	1.6	18
89	Direct Blow Spinning of Flexible and Transparent Ag Nanofiber Heater. <i>Advanced Materials Technologies</i> , 2019, 4, 1900045.	3.0	18
90	Synthesis and luminescence properties of nitrated lanthanum magnesium hexaluminate LaMgAl ₁₁ O ₁₉ phosphors. <i>Ceramics International</i> , 2014, 40, 4535-4539.	2.3	17

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91	A facile strategy for fabricating hierarchically mesoporous Co_3O_4 urchins and bundles and their application in Li-ion batteries with high electrochemical performance. RSC Advances, 2015, 5, 24486-24493.	1.7	17
92	Photocatalytic Property of TiO_2 -Vermiculite Composite Nanofibers via Electrospinning. Nanoscale Research Letters, 2015, 10, 977.	3.1	17
93	Valent control and spectral tuning by cation site engineering strategy in Eu doped $\text{Sr}_{1-x}\text{Ba}_x\text{Al}_2\text{Si}_2\text{O}_8$ phosphor. Journal of Alloys and Compounds, 2019, 806, 529-536.	2.8	17
94	Synthesis, structural, and luminescence properties of $\text{BiOCl}:\text{Dy}^{3+}$ single-component white-light-emitting phosphor for n-UV w-LEDs. Chemical Physics Letters, 2019, 727, 72-77.	1.2	17
95	Synthesis of $\text{Al}_8\text{B}_4\text{C}_7$ ceramic powder from $\text{Al}/\text{B}_4\text{C}/\text{C}$ mixtures. Powder Technology, 2012, 226, 269-273.	2.1	16
96	$\text{Ni}(\text{NO}_3)_2$ -Assisted Catalytic Synthesis and Photoluminescence Property of Ultralong Single Crystal Sialon Nanobelts. Crystal Growth and Design, 2013, 13, 10-14.	1.4	16
97	Effect of temperature on solid particle impact erosion wear mechanism of 5mol% Ytria Stabilized Zirconia ceramics. Ceramics International, 2015, 41, 6807-6811.	2.3	15
98	Fabrication and abrasive wear behavior of ZrO_2 - SiC - Al_2O_3 ceramic. Ceramics International, 2017, 43, 15060-15067.	2.3	15
99	Luminescence properties of emission tunable single-phased phosphor $\text{La}_7\text{O}_6(\text{BO}_3)(\text{PO}_4)_2:\text{Ce}^{3+}, \text{Tb}^{3+}, \text{Eu}^{3+}$. Materials Research Bulletin, 2018, 97, 506-511.	2.7	15
100	Molten salt synthesis, growth mechanism, and photoluminescence of rod chlorapatite microcrystallites. CrystEngComm, 2019, 21, 1809-1817.	1.3	15
101	Microstructure characteristics of FeMo -Sialon ceramic composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 2196-2199.	2.6	14
102	Controlled synthesis of porous FeCO_3 microspheres and the conversion to $\gamma\text{-Fe}_2\text{O}_3$ with unconventional morphology. Ceramics International, 2014, 40, 11975-11983.	2.3	14
103	Infrared-to-visible up-conversion luminescence and energy transfer of $\text{RE}^{3+}/\text{Yb}^{3+}$ ($\text{RE} = \text{Ho}, \text{Tm}$) co-doped SrIn_2O_4 . Infrared Physics and Technology, 2014, 67, 107-110.	1.3	14
104	Large scale synthesis of $\gamma\text{-Si}_3\text{N}_4$ nanowires through a kinetically favored chemical vapour deposition process. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 95, 132-138.	1.3	14
105	Growth mechanism and synchronous synthesis of 1D $\gamma\text{-Si}_3\text{N}_4$ -sialon nanostructures and $\gamma\text{-Si}_3\text{N}_4$ -sialon- Si_3N_4 composite powders by a process of reduction nitridation. Materials Research Express, 2019, 6, 065054.	0.8	14
106	Thermally Conductive and Shape-Stabilized Polyethylene Glycol/Carbon Foam Phase Change Composites for Thermal Energy Storage. ChemistrySelect, 2020, 5, 3217-3224.	0.7	14
107	Preparation and Characterization of Flexible Smart Glycol/Polyvinylpyrrolidone/Nano- Al_2O_3 Phase Change Fibers. Energy & Fuels, 2021, 35, 877-882.	2.5	14
108	Phase behavior of serpentine mineral by carbothermal reduction nitridation. Applied Clay Science, 2012, 57, 86-90.	2.6	13

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109	Influence of yttria addition on the phase transformations of zirconia from zircon ore by carbothermal reduction process. <i>Solid State Sciences</i> , 2012, 14, 730-734.	1.5	13
110	Synthesis of ZrNâ€“Si ₃ N ₄ composite powders from zircon and quartz by carbothermal reduction and nitridation. <i>Powder Technology</i> , 2013, 246, 677-681.	2.1	13
111	Preparation, microstructure, and compressive strength of carbon foams derived from sucrose and kaolinite. <i>Journal of Materials Research</i> , 2014, 29, 1018-1025.	1.2	13
112	Novel Synthesis Method and Characterization of Porous Calcium Hexaâ€“Aluminate Ceramics. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2702-2704.	1.9	13
113	Mechanical Properties and Solid Particle Erosion Behavior of LaMgAl ₁₁ O ₁₉ â€“Al ₂ O ₃ Ceramic at Room and Elevated Temperatures. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2138-2146.	1.9	13
114	Preparation and mechanical properties of NiCrâ€“Al ₂ O ₃ â€“ZrO ₂ (8Y) ceramic composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 554, 1-5.	2.6	12
115	Microstructural and Mechanical Characterization of Pressureâ€“Less Sintered AlNâ€“polytypoid Based Composites by Compositional Design. <i>Journal of the American Ceramic Society</i> , 2012, 95, 2044-2050.	1.9	12
116	Giant dielectric tunability properties of Sr and Sb coâ€“doped La ₂ NiMnO ₆ ceramics induced by extrinsic contribution. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1207-1212.	0.8	12
117	Synthesis of Sialon-SiC Composites from Kyanite Tailings by Carbothermal Reduction Nitridation. <i>Jom</i> , 2015, 67, 1379-1384.	0.9	12
118	Direct-white-emitting phosphor SrAl ₂ O ₄ : Eu ^{2+/3+} with colour-tunable photoluminescence by variation of europium activator valence. <i>Materials Research Express</i> , 2018, 5, 096202.	0.8	12
119	In situ synthesis of adsorptive \hat{I}^2 -Bi ₂ O ₃ /BiOBr photocatalyst with enhanced degradation efficiency. <i>Journal of Materials Research</i> , 2019, 34, 3450-3461.	1.2	12
120	Graded machinable Si ₃ N ₄ /h-BN and Al ₂ O ₃ /LaPO ₄ ceramic composites. <i>Materials & Design</i> , 2002, 23, 565-570.	5.1	11
121	Y ₃ Er _x Al ₅ O ₁₂ Aluminate Ceramics: Preparation, Thermal Properties and Theoretical Model of Thermal Conductivity. <i>Advanced Engineering Materials</i> , 2012, 14, 170-177.	1.6	11
122	Synthesis and characterization of single-crystalline phase Li ⁺ -Sialon. <i>Ceramics International</i> , 2012, 38, 3391-3395.	2.3	11
123	Synchronistic preparation of fibre-like SiC and cubic-ZrO ₂ /SiC composite from zircon via carbothermal reduction process. <i>Materials Research Bulletin</i> , 2013, 48, 7-11.	2.7	11
124	Porous peony-like \hat{I}^{\pm} -Fe ₂ O ₃ hierarchical micro/nanostructures: synthesis, characterization and its lithium storage properties. <i>RSC Advances</i> , 2014, 4, 41578-41583.	1.7	11
125	A facile fabrication method for ultrathin NiO/Ni nanosheets as a high-performance electrocatalyst for the oxygen evolution reaction. <i>RSC Advances</i> , 2017, 7, 18539-18544.	1.7	11
126	Color tunable Ba _{0.79} Al _{10.9} O _{17.14} :xEu phosphor prepared in air via valence state control. <i>Journal of Advanced Ceramics</i> , 2017, 6, 81-89.	8.9	11

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127	Preparation and photoluminescence properties of red-emitting phosphor $\text{ZnAl}_2\text{O}_4:\text{Eu}^{3+}$ with an intense $^5\text{D}_0 \rightarrow ^7\text{F}_2$ transition. <i>Materials Research Express</i> , 2018, 5, 025501.	0.8	11
128	Preparation and performance of shape-stable phase change materials based on carbonized-abandoned orange peel and paraffin. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 289-298.	1.0	11
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