

Yan-Gai Liu

List of Publications by Year in descending order

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187
papers

5,758
citations

81839

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189
all docs

189
docs citations

189
times ranked

4787
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-site occupancies and dependent photoluminescence of Ca ₉ Mg _{1.5} (PO ₄) ₇ :Eu ²⁺ phosphors: A bifunctional platform for optical thermometer and plant growth lighting. <i>Journal of Rare Earths</i> , 2023, 41, 1503-1511.	2.5	7
2	Preparation and properties of colorless and transparent semi-cyclic polyimide films with enhanced high-temperature dimensional stability via incorporation of alkyl-substituted benzanilide units. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51544.	1.3	12
3	Innovative Materials Science via Machine Learning. <i>Advanced Functional Materials</i> , 2022, 32, 2108044.	7.8	67
4	Nickel Quantum Dots Anchored in Biomass-Derived Nitrogen-Doped Carbon as Bifunctional Electrocatalysts for Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	7
5	A zirconium-free glaze system for sanitary ceramics with SiO ₂ -CaCO ₃ -TiO ₂ composite opacifier containing anatase: Effect of interface combination among SiO ₂ , CaCO ₃ and TiO ₂ . <i>Journal of the European Ceramic Society</i> , 2022, 42, 2523-2534.	2.8	10
6	Simultaneous Spectral Tuning and Thermal Stability Adjustment in Ca ₈ ZnGa ₁ La ₁ (PO ₄) ₇ :Eu ²⁺ Phosphors. <i>Inorganic Chemistry</i> , 2022, 61, 3263-3273.	2.2	9
7	Hierarchical fibrous honeycomb ceramics with high load capability and low light-off temperature for the next-generation auto emissions standards. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	0
8	Effects of Preparation and Activation Manner on Surface Area of Hierarchical Porous Carbons Derived from Nut (<i>Euryale ferox</i>) Shell. <i>ChemistrySelect</i> , 2022, 7, .	0.7	0
9	A novel cyan-emitting phosphor Ba ₂ La ₈ (SiO ₄) ₆ O ₂ :Eu ²⁺ for full-spectrum white light-emitting diodes. <i>Optical Materials</i> , 2022, 127, 112287.	1.7	7
10	Improvement of luminescence performance of single-phase white-emitting Na ₃ Gd(PO ₄) ₂ :Dy ³⁺ phosphor by co-doping with Eu ³⁺ . <i>Polyhedron</i> , 2022, 222, 115860.	1.0	10
11	A high quantum yield red phosphor NaGdSiO ₄ : Eu ³⁺ with intense emissions from the 5D ₀ → ⁷ F _{1,2} transition. <i>Ceramics International</i> , 2022, 48, 23213-23223.	2.3	26
12	MOF-Derived Long Spindle-like Carbon-Coated Ternary Transition-Metal-Oxide Composite for Lithium Storage. <i>ACS Omega</i> , 2022, 7, 16837-16846.	1.6	8
13	Introducing cation disorder to enhance thermal stability in LuY ₃ (BO ₃) ₄ : Eu ³⁺ phosphors for pc-WLEDs. <i>Optical Materials</i> , 2022, 129, 112501.	1.7	5
14	Green HF-Free Synthetic Route to the High-Efficiency K ₂ NaGaF ₆ :Cr ³⁺ Phosphor and Its NIR-LED Application toward Veins Imaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8022-8030.	3.2	15
15	Band structure, photoluminescent properties, and energy transfer behavior of a multicolor tunable phosphor K ₃ Lu(PO ₄) ₂ : Tb ³⁺ , Eu ³⁺ for warm white light-emitting diodes. <i>Journal of Luminescence</i> , 2022, 251, 119133.	1.5	12
16	A novel nano-porous aluminum substrate with anodizing treatment to encapsulate 1-tetrapropanol as composite phase change materials for thermal energy utilization. <i>Chemical Engineering Journal</i> , 2021, 404, 124588.	6.6	11
17	Preparation and Characterization of Flexible Smart Glycol/Polyvinylpyrrolidone/Nano-Al ₂ O ₃ Phase Change Fibers. <i>Energy & Fuels</i> , 2021, 35, 877-882.	2.5	14
18	Flexible polyethylene glycol/polyvinylpyrrolidone composite phase change fibres: Preparation, characterization, and thermal conductivity enhancement. <i>Polymer</i> , 2021, 214, 123258.	1.8	28

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19	Luminescent characteristics of a single-phase warm white-light-emitting phosphor Ba ₃ Lu ₄ O ₉ :Dy ³⁺ with excellent thermal stability. <i>Chemical Physics Letters</i> , 2021, 762, 138154.	1.2	13
20	Form-stable and tough paraffin-Al ₂ O ₃ /high density polyethylene composites as environment-friendly thermal energy storage materials: preparation, characterization and analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 2089-2099.	2.0	16
21	Urchin-like MnO/C microspheres as high-performance lithium-ion battery anode. <i>Ionics</i> , 2021, 27, 1423-1428.	1.2	6
22	Novel yellow/orange-emitting Ba ₃ Lu ₄ O ₉ : Sm ³⁺ phosphors with good thermal stability and high color purity for solid state lighting. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7285.	1.1	2
23	Enhanced thermal conductivity of composite phase change materials based on carbon modified expanded perlite. <i>Materials Chemistry and Physics</i> , 2021, 261, 124226.	2.0	33
24	Dual-emitting phosphor Sr ₄ Al ₁₄ O ₂₅ :Eu ²⁺ /3 ⁺ prepared in air for ratiometric temperature sensing. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 12608-12615.	1.1	3
25	Polydopamine Nanocluster Embedded Nanofibrous Membrane via Blow Spinning for Separation of Oil/Water Emulsions. <i>Molecules</i> , 2021, 26, 3258.	1.7	6
26	Electrochemical properties of Li _{6-y} La _{3x-y} Ba _y NbZrO ₁₂ lithium garnet oxide solid-state electrolytes with co-doping barium and zirconium. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158600.	2.8	8
27	3D pomegranate-like structured Si@void@Ni@C microspheres as high-performance anode in lithium-ion batteries. <i>Applied Physics Letters</i> , 2021, 119, 083903.	1.5	6
28	Enhanced photoluminescence and energy transfer behavior in Ba ₃ Lu ₄ O ₉ :Bi ³⁺ ,Eu ³⁺ for flexible lighting applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 258, 119829.	2.0	4
29	ZnOHf/N-doped carbon hybrids as a novel anode material for enhanced lithium storage. <i>Journal of Alloys and Compounds</i> , 2021, 889, 161705.	2.8	6
30	Potassium-ion batteries: outlook on present and future technologies. <i>Energy and Environmental Science</i> , 2021, 14, 2186-2243.	15.6	402
31	Synthesis and characterization of metal-organic framework/biomass-derived CoSe/C@C hierarchical structures with excellent sodium storage performance. <i>Nanoscale</i> , 2021, 13, 4167-4176.	2.8	21
32	Electrolyte additive maintains high performance for dendrite-free lithium metal anode. <i>Chinese Chemical Letters</i> , 2020, 31, 1217-1220.	4.8	34
33	A Self-Powered Nanogenerator for the Electrical Protection of Integrated Circuits from Trace Amounts of Liquid. <i>Nano-Micro Letters</i> , 2020, 12, 5.	14.4	20
34	Laser assisted ink-printing of copper oxide nanoplates for memory device. <i>Materials Letters</i> , 2020, 261, 127097.	1.3	7
35	Metal-Based Nanocatalysts via a Universal Design on Cellular Structure. <i>Advanced Science</i> , 2020, 7, 1902051.	5.6	48
36	Nanoshell Si/Cu composites as anode materials for lithium ion battery. <i>International Journal of Modern Physics B</i> , 2020, 34, 2040008.	1.0	2

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37	An Efficient Environmentally Friendly Composite Material Based on Carbonized Biological Cellulose/Paraffin: Thermal and Sustainable Properties Analysis. <i>ChemistrySelect</i> , 2020, 5, 12051-12056.	0.7	5
38	Preparation of a CaCO ₃ -TiO ₂ composite based opaque glaze: Insight into the mechanism of opacification and glaze yellowing inhibition. <i>Journal of the European Ceramic Society</i> , 2020, 40, 6171-6180.	2.8	11
39	Thermally Conductive and Shape-Stabilized Polyethylene Glycol/Carbon Foam Phase-Change Composites for Thermal Energy Storage. <i>ChemistrySelect</i> , 2020, 5, 3217-3224.	0.7	14
40	Multiple Energy Transfer in Luminescence-Tunable Single-Phased Phosphor NaGdTiO ₄ : Tm ³⁺ , Dy ³⁺ , Sm ³⁺ . <i>Nanomaterials</i> , 2020, 10, 1249.	1.9	10
41	Yellow Emission Obtained by Combination of Broadband Emission and Multi-Peak Emission in Garnet Structure Na ₂ YMg ₂ V ₃ O ₁₂ : Dy ³⁺ Phosphor. <i>Molecules</i> , 2020, 25, 542.	1.7	9
42	Photoluminescent properties of single-phase white-light Ca ₈ ZnGd(PO ₄) ₇ :Eu ²⁺ ,Mn ²⁺ phosphor. <i>Chemical Physics Letters</i> , 2020, 743, 137185.	1.2	10
43	Metal-Based Nanocatalysts: Metal-Based Nanocatalysts via a Universal Design on Cellular Structure (Adv. Sci. 3/2020). <i>Advanced Science</i> , 2020, 7, 2070013.	5.6	2
44	Low-temperature sintering of silver patterns on polyimide substrate printed with particle-free ink. <i>Nanotechnology</i> , 2020, 31, 305301.	1.3	10
45	A textile-based SnO ₂ ultra-flexible electrode for lithium-ion batteries. <i>Energy Storage Materials</i> , 2019, 16, 597-606.	9.5	150
46	Bimetallic metal-organic frameworks derived Ni-Co-Se@C hierarchical bundle-like nanostructures with high-rate pseudocapacitive lithium ion storage. <i>Energy Storage Materials</i> , 2019, 17, 374-384.	9.5	117
47	Encapsulating MnSe Nanoparticles Inside 3D Hierarchical Carbon Frameworks with Lithium Storage Boosted by in Situ Electrochemical Phase Transformation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33022-33032.	4.0	40
48	Valent control and spectral tuning by cation site engineering strategy in Eu doped Sr ^{1-x} Ba Al ₂ Si ₂ O ₈ phosphor. <i>Journal of Alloys and Compounds</i> , 2019, 806, 529-536.	2.8	17
49	Identification of dual luminescence centers from a single site in a novel blue-pumped Ca ₃ Sc ₂ Ge ₃ O ₁₂ :Ce ³⁺ phosphor. <i>Dalton Transactions</i> , 2019, 48, 11791-11802.	1.6	33
50	Single-phased chromaticity-tunable phosphor of Sr ₄ Al ₁₄ O ₂₅ : Eu ^{2+/3+} co-doped with Tb ³⁺ for white-light-emitting diodes. <i>Materials Research Express</i> , 2019, 6, 115903.	0.8	8
51	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
52	New Efficient Visible-Light-Driven Photocatalyst of Chitin-Modified Titanium Dioxide/Carbon Fiber Composites for Wastewater. <i>Scientific Reports</i> , 2019, 9, 16321.	1.6	11
53	Preparation and properties of polystyrene/silica fibres flexible thermal insulation materials by centrifugal spinning. <i>Polymer</i> , 2019, 185, 121964.	1.8	25
54	In situ synthesis of adsorptive Bi ₂ O ₃ /BiOBr photocatalyst with enhanced degradation efficiency. <i>Journal of Materials Research</i> , 2019, 34, 3450-3461.	1.2	12

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55	Lauric-stearic acid eutectic mixture/carbonized biomass waste corn cob composite phase change materials: Preparation and thermal characterization. <i>Thermochimica Acta</i> , 2019, 674, 21-27.	1.2	76
56	Preparation, structure, luminescence properties of terbium doped perovskite-like structure green-emitting phosphors SrLaAlO ₄ :Tb ³⁺ . <i>Optical Materials</i> , 2019, 95, 109191.	1.7	19
57	Photocatalytic Performance of NiO/NiTiO ₃ Composite Nanofiber Films. <i>Catalysts</i> , 2019, 9, 561.	1.6	18
58	Facile synthesis of Si ₃ N ₄ nanoneedles and their photoluminescence properties. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 2373-2379.	1.1	2
59	Synthesis, structural, and luminescence properties of BiOCl:Dy ³⁺ single-component white-light-emitting phosphor for n-UV w-LEDs. <i>Chemical Physics Letters</i> , 2019, 727, 72-77.	1.2	17
60	Synthesis and Luminescence Properties of a Novel Green-Yellow-Emitting Phosphor BiOCl:Pr ³⁺ for Blue-Light-Based w-LEDs. <i>Molecules</i> , 2019, 24, 1296.	1.7	7
61	Thermal conductivity enhancement of form-stable tetradecanol/expanded perlite composite phase change materials by adding Cu powder and carbon fiber for thermal energy storage. <i>Applied Thermal Engineering</i> , 2019, 156, 653-659.	3.0	105
62	Dependence of crystal structure on mechanical and thermophysical properties of magnetoplumbite-type LnMgAl ₁₁ O ₁₉ ceramics with substitution of Ln ³⁺ ions. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1596-1605.	1.1	5
63	Molten salt synthesis, growth mechanism, and photoluminescence of rod chlorapatite microcrystallites. <i>CrystEngComm</i> , 2019, 21, 1809-1817.	1.3	15
64	Effect of purity and proportion of microcrystalline graphite ore on the electrical, mechanical and tribological performance of copper-carbon composites. <i>Materials Research Express</i> , 2019, 6, 125604.	0.8	2
65	Luminescence Properties of Ce ³⁺ Doped Garnet Ca ₂ LaZr ₂ Al ₃ O ₁₂ Phosphors. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 678, 012085.	0.3	3
66	Research on slag resistance of ZrNâ€SiAl _{ON} â€SiCâ€C composite refractory in different atmospheres. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 69-76.	1.1	3
67	Assembly of ZnO Nanowires film and humidity sensing performance. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1193-1199.	1.1	4
68	Ferromagnetism, structure transitions, and strain coupling of magnetoelastic double perovskite La ₂ CoMnO ₆ . <i>Journal of Materials Science</i> , 2019, 54, 6027-6037.	1.7	10
69	In-situ synthesis of NiCoS nanoparticles embedded in novel carbon bowknots and flowers with pseudocapacitance-boosted lithium ion storage. <i>Nanotechnology</i> , 2019, 30, 155701.	1.3	9
70	Tunable photoluminescence of apatite phosphor Ca ₅ (OH)(PO ₄) ₃ (F,Cl) and its application in light-emitting diodes. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4226-4235.	1.9	8
71	Magneto-elastic coupling behavior of the double perovskite Ba ₂ FeMoO ₆ . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 015801.	0.7	1
72	Crystal structure tailoring and luminescence tuning of Sr _{1-x} Ba _x 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

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73	Preparation and performance of shape-stable phase change materials based on carbonized-abandoned orange peel and paraffin. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 289-298.	1.0	11
74	Preparation and characterization of form-stable tetradecanol-palmitic acid expanded perlite composites containing carbon fiber for thermal energy storage. Journal of Thermal Analysis and Calorimetry, 2019, 136, 1217-1225.	2.0	8
75	Photoluminescence properties of a Ce ³⁺ doped Sr ₃ MgSi ₂ O ₈ phosphor with good thermal stability. RSC Advances, 2018, 8, 15587-15594.	1.7	30
76	Novel humic acid-based carbon materials: adsorption thermodynamics and kinetics for cadmium(II) ions. Colloid and Polymer Science, 2018, 296, 537-546.	1.0	4
77	Thermal energy storage properties and thermal reliability of PEG/bone char composite as a form-stable phase change material. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1753-1761.	2.0	33
78	Room-Temperature Joining of Silver Nanoparticles Using Potassium Chloride Solution for Flexible Electrode Application. Journal of Physical Chemistry C, 2018, 122, 2704-2711.	1.5	31
79	Synthesis and characterization of beeswax-tetradecanol-carbon fiber/expanded perlite form-stable composite phase change material for solar energy storage. Composites Part A: Applied Science and Manufacturing, 2018, 107, 180-188.	3.8	43
80	Novel pyrochlore-type La ₂ Zr ₂ O ₇ : Eu ³⁺ red phosphors: Synthesis, structural, luminescence properties and theoretical calculation. Dyes and Pigments, 2018, 157, 47-54.	2.0	77
81	Preparation of carbon-coated Fe ₃ O ₄ porous particles and their adsorption properties of iron (III) ion. Water Science and Technology: Water Supply, 2018, 18, 306-317.	1.0	4
82	Honeycomb-like structured biological porous carbon encapsulating PEG: A shape-stable phase change material with enhanced thermal conductivity for thermal energy storage. Energy and Buildings, 2018, 158, 1049-1062.	3.1	275
83	Preparation of Al ₂ O ₃ -SiC composite powder from kyanite tailings via carbothermal reduction process. Advances in Applied Ceramics, 2018, 117, 9-15.	0.6	20
84	Luminescence properties of emission tunable single-phased phosphor La ₇ O ₆ (BO ₃)(PO ₄) ₂ : Ce ³⁺ , Tb ³⁺ , Eu ³⁺ . Materials Research Bulletin, 2018, 97, 506-511.	2.7	15
85	In situ growth of ZnO nanodots on carbon hierarchical hollow spheres as high-performance electrodes for lithium-ion batteries. Journal of Alloys and Compounds, 2018, 735, 1079-1087.	2.8	34
86	Preparation of High-Quality Porous Calcium Hexa-Aluminate Ceramics using Salt as Both Reaction Medium and Pore-Former. InterCeram: International Ceramic Review, 2018, 67, 50-57.	0.2	4
87	Processing and electrochemical properties of CNT reinforced carbon nanofibers prepared by pressurized gyration. Journal of Materials Research, 2018, 33, 4251-4260.	1.2	2
88	MOF-derived carbon-encapsulated cobalt sulfides orostachys-like micro/nano-structures as advanced anode material for lithium ion batteries. Electrochimica Acta, 2018, 290, 193-202.	2.6	46
89	Synthesis and photoluminescence properties of novel thermally robust Na ₃ Gd ₂ O ₈ : Re ³⁺ (Re ³⁺ =Sm, Dy) phosphors. Chemical Physics Letters, 2018, 710, 84-89.	1.2	32
90	Kinetics and equilibrium studies of the adsorption of methylene blue on Euryale ferox shell-based activated carbon. Micro and Nano Letters, 2018, 13, 552-557.	0.6	3

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91	Red-Shifted Emission in $Y_3MgSiAl_3O_{12}$: 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
92	Carbothermal/aluminothermic reduction nitridation synthesis of ZrN-SiAlON refractory composites from zircon and bauxite: a comparative study of the reduction effect of reducers. <i>Advances in Applied Ceramics</i> , 2017, 116, 151-157.	0.6	2
93	Mechanisms of Li^+ Ions in the Emission Enhancement of $KMg_4(PO_4)_3$: Eu^{2+} for White Light Emitting Diodes. <i>Inorganic Chemistry</i> , 2017, 56, 1144-1151.	1.9	57
94	Preparation and properties of fatty acid eutectics/expanded perlite and expanded vermiculite shape-stabilized materials for thermal energy storage in buildings. <i>Energy and Buildings</i> , 2017, 139, 197-204.	3.1	85
95	$\text{LnAl}(\text{Si}_4\text{Al}_x\text{N}_7\text{O}_x)$ with Unusual $[\text{AlN}_6]$ Octahedral Coordination. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3886-3891.	7.2	1
96	Crystal structure and luminescence properties of a single-component white-light-emitting phosphor $\text{Ca}_8\text{ZnLa}(\text{PO}_4)_7$: Eu^{2+} , Mn^{2+} . <i>Journal of the American Ceramic Society</i> , 2017, 100, 3050-3060.	2.2	24
97	Innenstruktur: $\text{LnAl}(\text{Si}_4\text{Al}_x\text{N}_7\text{O}_x)$ with Unusual $[\text{AlN}_6]$ Octahedral Coordination (<i>Angew. Chem.</i> 14/2017). <i>Angewandte Chemie</i> , 2017, 129, 4125-4125.	1.6	0
98	Shape-stabilized composite phase change materials with high thermal conductivity based on stearic acid and modified expanded vermiculite. <i>Renewable Energy</i> , 2017, 112, 113-123.	4.3	104
99	Preparation and analysis of lightweight wall material with expanded graphite (EG)/paraffin composites for solar energy storage. <i>Applied Thermal Engineering</i> , 2017, 120, 107-114.	3.0	77
100	Photoluminescence properties and application of yellow $\text{Ca}_{0.65}\text{Si}_{10}\text{Al}_2\text{O}_{0.7}\text{N}_{15.3}$: Eu^{2+} phosphors for white LEDs. <i>Solid State Sciences</i> , 2017, 64, 84-90.	1.5	8
101	Energy transfer and thermal stability of Ce^{3+} , Tb^{3+} co-doped $\text{Ca}_3\text{Si}_2\text{O}_4\text{N}_2$ phosphors for white light-emitting diodes. <i>Chemical Physics Letters</i> , 2017, 690, 31-37.	1.2	27
102	Form stable composite phase change materials from palmitic-lauric acid eutectic mixture and carbonized abandoned rice: Preparation, characterization, and thermal conductivity enhancement. <i>Energy and Buildings</i> , 2017, 154, 46-54.	3.1	75
103	Growth, structure, and luminescence properties of novel silica nanowires and interconnected nanorings. <i>Scientific Reports</i> , 2017, 7, 10482.	1.6	9
104	A new $\text{Ag/Bi}_7\text{Ta}_3\text{O}_{18}$ plasmonic photocatalyst with a visible-light-driven photocatalytic activity. <i>Journal of Materials Research</i> , 2017, 32, 3650-3659.	1.2	7
105	Luminescence properties and energy transfer behavior of colour-tunable white-emitting $\text{Sr}_4\text{Al}_{14}\text{O}_{25}$ phosphors with co-doping of Eu^{2+} , Eu^{3+} and Mn^{4+} . <i>RSC Advances</i> , 2017, 7, 52995-53001.	1.7	25
106	Color tunable $\text{Ba}_{0.79}\text{Al}_{10.9}\text{O}_{17.14}$: Eu phosphor prepared in air via valence state control. <i>Journal of Advanced Ceramics</i> , 2017, 6, 81-89.	8.9	11
107	Chemical sintering of direct-written silver nanowire flexible electrodes under room temperature. <i>Nanotechnology</i> , 2017, 28, 285703.	1.3	34
108	Enhancement of thermal conductivity by the introduction of carbon nanotubes as a filler in paraffin/expanded perlite form-stable phase-change materials. <i>Energy and Buildings</i> , 2017, 149, 463-470.	3.1	151

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109	Crystal structure and luminescence property of a novel single-phase white light emission phosphor $\text{KCaBi}(\text{PO}_4)_2\text{Dy}^{3+}$. <i>Materials Research Bulletin</i> , 2017, 86, 146-152.	2.7	35
110	Discovery of novel solid solution $\text{Ca}_3\text{Si}_3\text{O}_3\text{N}_4 \cdot x\text{Eu}^{2+}$ phosphors: structural evolution and photoluminescence tuning. <i>Scientific Reports</i> , 2017, 7, 18103.	1.6	19
111	$\text{A}(\text{C}_3\text{N}_4)_2/\text{Bi}_2\text{WO}_6$ 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
112	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
113	Preparation and characterization of the properties of polyethylene glycol @ Si_3N_4 nanowires as phase-change materials. <i>Chemical Engineering Journal</i> , 2016, 301, 229-237.	6.6	79
114	$\text{Ca}_6\text{La}_4(\text{SiO}_4)_2(\text{PO}_4)_4\text{O}_2\text{:Eu}^{2+}$ 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
115	Luminescence Properties of Self-Activated $\text{M}_3(\text{VO}_4)_2$ ($\text{M} = \text{Mg, Ca}$) Tj ETQq1 1 0.784314 rgBT // Nanotechnology, 2016, 16, 3684-3689.	0.9	23
116	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
117	Fabrication of Si_3N_4 nanowire membranes: free standing disordered nanopapers and aligned nanowire assemblies. <i>Materials Research Express</i> , 2016, 3, 085020.	0.8	10
118	Thermal conductivity enhancement of polyethylene glycol/expanded perlite with carbon layer for heat storage application. <i>Energy and Buildings</i> , 2016, 130, 113-121.	3.1	89
119	Preparation and characterization of corundum-mullite-spinel refractories from low-grade bauxite and magnesite ores. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 88-91.	0.5	7
120	Magnetostructural coupling behavior at the ferromagnetic transition in double-perovskite $\text{Sr}_2\text{FeMo}_6\text{O}_{26}$. <i>Physi</i>	1.1	29
121	Design of a Yellow-Emitting Phosphor with Enhanced Red Emission via Valence State-control for Warm White LEDs Application. <i>Scientific Reports</i> , 2016, 6, 31199.	1.6	27
122	Preparation of Si_3N_4 Form Diatomite via a Carbothermal Reduction-Nitridation Process. <i>Jom</i> , 2016, 68, 1456-1464.	0.9	1
123	Novel carbon-incorporated porous ZnFe_2O_4 nanospheres for enhanced photocatalytic hydrogen generation under visible light irradiation. <i>RSC Advances</i> , 2016, 6, 56069-56076.	1.7	33
124	Preparation and performance of novel form-stable composite phase change materials based on polyethylene glycol/White Carbon Black assisted by super-ultrasound-assisted. <i>Thermochimica Acta</i> , 2016, 638, 35-43.	1.2	47
125	Polyethylene glycol/ Cu/SiO_2 form stable composite phase change materials: preparation, characterization, and thermal conductivity enhancement. <i>RSC Advances</i> , 2016, 6, 58740-58748.	1.7	51
126	Mechanical Properties and Solid Particle Erosion Behavior of $\text{LaMgAl}_{11}\text{O}_{19}$ - Al_2O_3 Ceramic at Room and Elevated Temperatures. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2138-2146.	1.9	13

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