Mingmei Wu

List of Publications by Year
in descending order

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162	11,344	24978	30848
papers	citations	57	102
		h-index	g-index

166	166	166	10974
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mn²⁺and Mn⁴⁺red phosphors: synthesis, luminescence and applications in WLEDs. A review. Journal of Materials Chemistry C, 2018, 6, 2652-2671.	2.7	511
2	Advanced red phosphors for white light-emitting diodes. Journal of Materials Chemistry C, 2016, 4, 8611-8623.	2.7	382
3	HF-Free Hydrothermal Route for Synthesis of Highly Efficient Narrow-Band Red Emitting Phosphor K₂Si_{1â€“x}F₆:xMn⁴⁺ for Warm White Light-Emitting Diodes. Chemistry of Materials, 2016, 28, 1495-1502.	3.2	365
4	Nâ€, Oâ€, and Sâ€Tridoped Carbonâ€Encapsulated Co₉S₈ Nanomaterials: Efficient Bifunctional Electrocatalysts for Overall Water Splitting. Advanced Functional Materials, 2017, 27, 1606585.	7.8	365
5	Tailored photoluminescence of YAG:Ce phosphor through various methods. Journal of Physics and Chemistry of Solids, 2004, 65, 845-850.	1.9	320
6	An Ultrastable and Highâ€Performance Flexible Fiberâ€Shaped Niâ€“Zn Battery based on a Niâ€“NiO Heterostructured Nanosheet Cathode. Advanced Materials, 2017, 29, 1702698.	11.1	314
7	Continuous Shape- and Spectroscopy-Tuning of Hematite Nanocrystals. Inorganic Chemistry, 2010, 49, 8411-8420.	1.9	291
8	Sol-Hydrothermal Synthesis and Hydrothermally Structural Evolution of Nanocrystal Titanium Dioxide. Chemistry of Materials, 2002, 14, 1974-1980.	3.2	288
9	Comparative investigation on synthesis and photoluminescence of YAG:Ce phosphor. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 106, 251-256.	1.7	239
10	Highly Thermally Stable Single-Component White-Emitting Silicate Glass for Organic-Resin-Free White-Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2014, 6, 2709-2717.	4.0	220
11	Ultrathin Anatase TiO₂ Nanosheets Embedded with TiO₂â€B Nanodomains for Lithiumâ€Ion Storage: Capacity Enhancement by Phase Boundaries. Advanced Energy Materials, 2015, 5, 1401756.	10.2	208
12	Topotactic Conversion Route to Mesoporous Quasiâ€Singleâ€Crystalline Co₃O₄ Nanobelts with Optimizable Electrochemical Performance. Advanced Functional Materials, 2010, 20, 617-623.	7.8	202
13	Formation Mechanism of CaTiO₃ Hollow Crystals with Different Microstructures. Journal of the American Chemical Society, 2010, 132, 14279-14287.	6.6	198
14	Tunable Luminescent Properties and Concentration-Dependent, Site-Preferable Distribution of Eu²⁺ Ions in Silicate Glass for White LEDs Applications. ACS Applied Materials & Interfaces, 2015, 7, 10044-10054.	4.0	197
15	A Facile Activation Strategy for an MOF-Derived Metal-Free Oxygen Reduction Reaction Catalyst: Direct Access to Optimized Pore Structure and Nitrogen Species. ACS Catalysis, 2017, 7, 6082-6088.	5.5	188
16	Microemulsion-Mediated Hydrothermal Synthesis and Characterization of Nanosize Rutile and Anatase Particles. Langmuir, 1999, 15, 8822-8825.	1.6	175
17	K₂Ln(PO₄)(WO₄):Tb³⁺,Eu³⁺ (Ln = Y, Gd) Tj ETQq1 1 0.784314 rgB Journal of Materials Chemistry C, 2015, 3, 2107-2114.	2.7	175
18	Three-band white light from InGaN-based blue LED chip precoated with Green/red phosphors. IEEE Photonics Technology Letters, 2005, 17, 1160-1162.	1.3	174

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19	Kinetically Controlled Synthesis of Wurtzite ZnS Nanorods through Mild Thermolysis of a Covalent Organicâ"Inorganic Network. Inorganic Chemistry, 2003, 42, 3100-3106.	1.9	173
20	Synthesis and red luminescence of Pr3+-doped CaTiO3 nanophosphor from polymer precursor. Journal of Solid State Chemistry, 2003, 174, 69-73.	1.4	151
21	Hydrothermal synthesis, morphology and photoluminescent properties of an Mn⁴⁺-doped novel red fluoride phosphor elpasolite K₂LiAlF₆. Journal of Materials Chemistry C, 2016, 4, 5690-5695.	2.7	148
22	A new red phosphor BaGeF₆:Mn⁴⁺: hydrothermal synthesis, photo-luminescence properties, and its application in warm white LED devices. Journal of Materials Chemistry C, 2015, 3, 3055-3059.	2.7	144
23	In Situ Activation of 3D Porous Bi/Carbon Architectures: Toward Highâ€Energy and Stable Nickelâ€"Bismuth Batteries. Advanced Materials, 2018, 30, e1707290.	11.1	139
24	Controlled Hydrothermal Growth and Up-Conversion Emission of NaLnF4 (Ln = Y, Dyâ"Yb). Inorganic Chemistry, 2007, 46, 5404-5410.	1.9	133
25	Layered Structure Produced Nonconcentration Quenching in a Novel Eu³⁺-Doped Phosphor. ACS Applied Materials & Interfaces, 2018, 10, 41479-41486.	4.0	133
26	Microcavity lasing behavior of oriented hexagonal ZnO nanowhiskers grown by hydrothermal oxidation. Applied Physics Letters, 2004, 84, 2739-2741.	1.5	131
27	N-, O- and P-doped hollow carbons: Metal-free bifunctional electrocatalysts for hydrogen evolution and oxygen reduction reactions. Applied Catalysis B: Environmental, 2019, 248, 239-248.	10.8	131
28	White Light Emission and Enhanced Color Stability in a Single-Component Host. ACS Applied Materials & Interfaces, 2018, 10, 18066-18072.	4.0	117
29	A novel multi-center activated single-component white light-emitting phosphor for deep UV chip-based high color-rendering WLEDs. Chemical Engineering Journal, 2020, 390, 124601.	6.6	116
30	Titanium dioxide@titanium nitride nanowires on carbon cloth with remarkable rate capability for flexible lithium-ion batteries. Journal of Power Sources, 2014, 272, 946-953.	4.0	114
31	Color-Tunable Phosphor of Eu²⁺ and Mn²⁺ Codoped Ca₂Sr(PO₄)₂ for UV Light-Emitting Diodes. Journal of Physical Chemistry C, 2014, 118, 12494-12499.	1.5	114
32	Facile Preparation and Ultrastable Performance of Single-Component White-Light-Emitting Phosphor-in-Glass used for High-Power Warm White LEDs. ACS Applied Materials & Interfaces, 2015, 7, 28122-28127.	4.0	112
33	Hierarchically Nanostructured Rutile Arrays: Acid Vapor Oxidation Growth and Tunable Morphologies. ACS Nano, 2009, 3, 1212-1218.	7.3	105
34	Size- and shape-tailored hydrothermal synthesis of YVO4 crystals in ultra-wide pH range conditions. Journal of Materials Chemistry, 2003, 13, 1223-1228.	6.7	100
35	Amorphous NiWO4 nanoparticles boosting the alkaline hydrogen evolution performance of Ni3S2 electrocatalysts. Applied Catalysis B: Environmental, 2020, 274, 119120.	10.8	99
36	A new and efficient red phosphor for solid-state lighting: Cs₂TiF₆:Mn⁴⁺. Journal of Materials Chemistry C, 2015, 3, 9615-9619.	2.7	94

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37	Efficient Pt-free electrocatalyst for oxygen reduction reaction: Highly ordered mesoporous N and S co-doped carbon with saccharin as single-source molecular precursor. Applied Catalysis B: Environmental, 2016, 194, 202-208.	10.8	93
38	Tunable luminescence and energy transfer properties of Bi³⁺ and Mn⁴⁺ co-doped Ca₁₄Al₁₀Zn₆O₃₅ phosphors for agricultural applications. RSC Advances, 2017, 7, 14868-14875.	1.7	90
39	Enhanced blue and green upconversion in hydrothermally synthesized hexagonal NaY1â^'xYbxF4:Ln3+ (Ln3+ = Er3+ or Tm3+). Journal of Alloys and Compounds, 2004, 368, 94-100.	2.8	87
40	Porous NaTi₂(PO₄)₃nanocubes: a high-rate nonaqueous sodium anode material with more than 10â€‰000 cycle life. Journal of Materials Chemistry A, 2015, 3, 18718-18726.	5.2	85
41	ZnO Pine-Nanotree Arrays Grown from Facile Metal Chemical Corrosion and Oxidation. Chemistry of Materials, 2008, 20, 1197-1199.	3.2	83
42	Single phase white LED phosphor Ca3YAl3B4O15:Ce3+,Tb3+,Sm3+ with superior performance: Color-tunable and energy transfer study. Chemical Engineering Journal, 2021, 410, 128455.	6.6	80
43	Self-assembled superstructure of carbon-wrapped, single-crystalline Cu3P porous nanosheets: One-step synthesis and enhanced Li-ion battery anode performance. Energy Storage Materials, 2018, 15, 75-81.	9.5	75
44	Multiple Nucleation and Crystal Growth of Barium Titanate. Crystal Growth and Design, 2012, 12, 1247-1253.	1.4	71
45	Luminescence properties and energy transfer of YGa_{1.5}Al_{1.5}(BO₃)₄:Tb³⁺,Eu³⁺ as a multi-colour emitting phosphor for WLEDs. Journal of Materials Chemistry C, 2017, 5, 6294-6299.	2.7	71
46	Three-dimensional, hetero-structured, Cu₃P@C nanosheets with excellent cycling stability as Na-ion battery anode material. Journal of Materials Chemistry A, 2019, 7, 16999-17007.	5.2	71
47	Blue-emitting phosphor Ba₄OCl₆:Eu²⁺ with good thermal stability and a tiny chromaticity shift for white LEDs. Journal of Materials Chemistry C, 2016, 4, 2367-2373.	2.7	66
48	Synthesis and optimization of the trimesic acid modified polymeric carbon nitride for enhanced photocatalytic reduction of CO2. Journal of Colloid and Interface Science, 2019, 548, 197-205.	5.0	66
49	Luminescence enhancement and energy transfers of Ce³⁺ and Sm³⁺ in CaSrSiO₄ phosphor. Journal of Materials Chemistry C, 2018, 6, 7612-7618.	2.7	65
50	Efficient energy transfer and luminescence properties of Ca₃Y(GaO)₃(BO₃)₄:Tb³⁺,Eu³⁺as a green-to-red colour tunable phosphor under near-UV excitation. Dalton Transactions, 2017, 46, 1885-1891.	1.6	64
51	Hydrothermal Synthesis of Prismatic NaHoF4Microtubes and NaSmF4Nanotubes. Inorganic Chemistry, 2004, 43, 1594-1596.	1.9	63
52	Eu³⁺-Activated Sr₃ZnTa₂O₉ single-component white light phosphors: emission intensity enhancement and color rendering improvement. Journal of Materials Chemistry C, 2019, 7, 2596-2603.	2.7	63
53	Tunable Thickness and Photoluminescence of Bipyramidal Hexagonal Î²-NaYF₄ Microdisks. Chemistry of Materials, 2009, 21, 160-168.	3.2	62
54	Optical performance of Mn⁴⁺in a new hexa-coordinated fluorozirconate complex of Cs₂ZrF₆. Journal of Materials Chemistry C, 2016, 4, 7443-7448.	2.7	62

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55	High moisture resistance of an efficient Mn4+-activated red phosphor Cs2NbOF5:Mn4+ for WLEDs. Chemical Engineering Journal, 2021, 405, 126678.	6.6	61
56	Energy transfer and luminescent properties of Ca₈MgLu(PO₄)₇:Tb³⁺/Eu³⁺ as a green-to-red color tunable phosphor under NUV excitation. RSC Advances, 2015, 5, 59830-59836.	1.7	60
57	Standard White-Emitting Ca₈MgY(PO₄)₇:Eu²⁺,Mn²⁺Phosphor for White-Light-Emitting LEDs. ECS Journal of Solid State Science and Technology, 2013, 2, R178-R185.	0.9	59
58	Oxide coating for alkaline earth sulfide based phosphor. Journal of Luminescence, 2003, 105, 121-126.	1.5	58
59	Studies of Terbium Bridge: Saturation Phenomenon, Significance of Sensitizer and Mechanisms of Energy Transfer, and Luminescence Quenching. ACS Applied Materials & Interfaces, 2014, 6, 10792-10801.	4.0	57
60	Red emitting phosphors of Eu 3+ doped Na 2 Ln 2 Ti 3 O 10 (Ln = Gd, Y) for white light emitting diodes. Journal of Alloys and Compounds, 2015, 635, 66-72.	2.8	57
61	Complex ZnO nanotree arrays with tunable top, stem and branch structures. Nanoscale, 2010, 2, 1674.	2.8	56
62	Chestnut-Like TiO₂@Î±-Fe₂O₃ Coreâ€“Shell Nanostructures with Abundant Interfaces for Efficient and Ultralong Life Lithium-Ion Storage. ACS Applied Materials & Interfaces, 2017, 9, 354-361.	4.0	56
63	Hierarchical Porous Prism Arrays Composed of Hybrid Niâ€“NiOâ€“Carbon as Highly Efficient Electrocatalysts for Overall Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 38906-38914.	4.0	56
64	A novel pure red phosphor Ca8MgLu(PO4)7:Eu3+ for near ultraviolet white light-emitting diodes. Ceramics International, 2015, 41, 9610-9614.	2.3	55
65	Synthesis of Eu3+-doped calcium and strontium carbonate phosphors at room temperature. Materials Research Bulletin, 2003, 38, 1537-1544.	2.7	54
66	Hydrothermal preparation and characterization of Zn2SnO4 particles. Materials Research Bulletin, 2001, 36, 1391-1397.	2.7	53
67	Perovskite hollow cubes: morphological control, three-dimensional twinning and intensely enhanced photoluminescence. Journal of Materials Chemistry, 2008, 18, 3543.	6.7	52
68	Nitrogen-, Oxygen- and Sulfur-Doped Carbon-Encapsulated Ni₃S₂ and NiS Coreâ€“Shell Architectures: Bifunctional Electrocatalysts for Hydrogen Evolution and Oxygen Reduction Reactions. ACS Sustainable Chemistry and Engineering, 2018, 6, 15582-15590.	3.2	52
69	Crystal structure and photoluminescence tuning of novel single-phase Ca₈ZnLu(PO₄)₇:Eu²⁺,Mn²⁺ phosphors for near-UV converted white light-emitting diodes. Journal of Materials Chemistry C, 2019, 7, 8374-8382.	2.7	52
70	Hydrothermal Synthesis of Tetragonal Barium Titanate from Barium Hydroxide and Titanium Dioxide under Moderate Conditions. Journal of the American Ceramic Society, 1999, 82, 3254-3256.	1.9	51
71	Engineering high reversibility and fast kinetics of Bi nanoflakes by surface modulation for ultrastable nickelâ€“bismuth batteries. Chemical Science, 2019, 10, 3602-3607.	3.7	49
72	A templated borate polymer from boric acid â€˜fluxâ€™ synthesis: [Cu(en)2][B7O13H3]n. Inorganic Chemistry Communication, 2000, 3, 401-404.	1.8	48

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73	Hollow Single-Crystal Spinel Nanocubes: The Case of Zinc Cobalt Oxide Grown by a Unique Kirkendall Effect. Inorganic Chemistry, 2008, 47, 5522-5524.	1.9	48
74	Monodispersed Î²-NaYF₄ Mesocrystals: In Situ Ion Exchange and Multicolor Up- and Down-Conversions. Crystal Growth and Design, 2013, 13, 2292-2297.	1.4	48
75	Singleâ€Crystal Red Phosphors and Their Coreâ€“Shell Structure for Improved Waterâ€Resistance for Laser Diodes Applications. Angewandte Chemie - International Edition, 2021, 60, 3940-3945.	7.2	46
76	Optimized photoluminescence of red phosphor Na₂SnF₆:Mn⁴⁺ as red phosphor in the application in â€œwarmâ€•white <scp>LED</scp>s. Journal of the American Ceramic Society, 2017, 100, 2005-2015.	1.9	45
77	Rational design of anatase TiO2 architecture with hierarchical nanotubes and hollow microspheres for high-performance dye-sensitized solar cells. Journal of Power Sources, 2016, 303, 57-64.	4.0	44
78	A promising europium-based down conversion material: organicâ€“inorganic perovskite solar cells with high photovoltaic performance and UV-light stability. Journal of Materials Chemistry A, 2019, 7, 6467-6474.	5.2	43
79	Hollow Spheres Based on Mesostructured Lead Titanate with Amorphous Framework. Langmuir, 2003, 19, 1362-1367.	1.6	42
80	Hexagonal and Prismatic Nanowalled ZnO Microboxes. Inorganic Chemistry, 2006, 45, 3256-3260.	1.9	42
81	UV-Vis-NIR luminescence properties and energy transfer mechanism of LiSrPO_4:Eu^2+, Pr^3+ suitable for solar spectral convertor. Optics Express, 2013, 21, 3161.	1.7	42
82	Dual-emissions with energy transfer from the phosphor Ca14Al10Zn6O35:Bi3+,Eu3+ for application in agricultural lighting. Journal of Alloys and Compounds, 2017, 724, 735-743.	2.8	41
83	Li₂TiO₃:Mn⁴⁺ Deepâ€Red Phosphor for the Lifetimeâ€Based Luminescence Thermometry. ChemistrySelect, 2019, 4, 7067-7075.	0.7	41
84	3D hierarchical AlV3O9 microspheres: First synthesis, excellent lithium ion cathode properties, and investigation of electrochemical mechanism. Nano Energy, 2015, 15, 281-292.	8.2	40
85	A high color purity red emitting phosphor CaYAlO4:Mn4+ for LEDs. Journal of Solid State Lighting, 2014, 1, .	2.3	39
86	Efficient and Stable Carbon-coated Nickel Foam Cathodes for the Electro-Fenton Process. Electrochimica Acta, 2015, 176, 811-818.	2.6	39
87	Utilizing a Photocatalysis Process to Achieve a Cathode with Low Charging Overpotential and High Cycling Durability for a Liâ€O₂ Battery. Angewandte Chemie - International Edition, 2020, 59, 20909-20913.	7.2	39
88	Topotactic Growth, Selective Adsorption, and Adsorption-Driven Photocatalysis of Protonated Layered Titanate Nanosheets. ACS Applied Materials & Interfaces, 2014, 6, 17730-17739.	4.0	37
89	Multiple Growth Stages and Their Kinetic Models of Anatase Nanoparticles under Hydrothermal Conditions. Journal of Physical Chemistry C, 2010, 114, 14461-14466.	1.5	36
90	Singleâ€Crystal Red Phosphors: Enhanced Optical Efficiency and Improved Chemical Stability for wLEDs. Advanced Optical Materials, 2020, 8, 1901512.	3.6	36

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91	CaY₂Al₄SiO₁₂:Ce³⁺,Mn²⁺: a single component phosphor to produce high color rendering index WLEDs with a blue chip. Journal of Materials Chemistry C, 2021, 9, 11292-11298.	2.7	36
92	Cross-Medal Arrays of Ta-Doped Rutile Titania. Journal of the American Chemical Society, 2009, 131, 12048-12049.	6.6	35
93	Multi-dimensional anatase TiO2 materials: Synthesis and their application as efficient charge transporter in perovskite solar cells. Solar Energy, 2019, 184, 323-330.	2.9	35
94	Fabrication and application of non-rare earth red phosphors for warm white-light-emitting diodes. RSC Advances, 2015, 5, 84821-84826.	1.7	34
95	A Facile Route to BaSiF₆:Mn⁴⁺ Phosphor with Intense Red Emission and Its Humidity Stability. Journal of the American Ceramic Society, 2016, 99, 3008-3014.	1.9	34
96	Comparative Solâ€“Hydro(Solvo)thermal Synthesis of TiO2 Nanocrystals. European Journal of Inorganic Chemistry, 2006, 2006, 2229-2235.	1.0	33
97	Double substitution induced tunable luminescent properties of Ca3â^'xYxSc2â^'xMgxSi3O12:Ce3+phosphors for white LEDs. Journal of Materials Chemistry C, 2016, 4, 5671-5678.	2.7	32
98	Two-color emitting of Eu2+ and Tb3+ co-doped Sr2MgSi2O7 for UV LEDs. Optical Materials, 2014, 36, 1649-1654.	1.7	31
99	Composition and size tailored synthesis of iron selenide nanoflakes. CrystEngComm, 2010, 12, 4386.	1.3	30
100	Synthesis of Pd on porous hollow carbon spheres as an electrocatalyst for alcohol electrooxidation. RSC Advances, 2011, 1, 191.	1.7	30
101	Lattice defects of ZnO and hybrids with GO: Characterization, EPR and optoelectronic properties. AIP Advances, 2018, 8, .	0.6	30
102	Correlation between Multiple Growth Stages and Photocatalysis of SrTiO₃ Nanocrystals. Journal of Physical Chemistry C, 2015, 119, 3530-3537.	1.5	29
103	Ca₃Lu(AlO)₃(BO₃)₄â€‰:â€‰Sm³⁺: a novel red-emitting phosphor with high colour purity for NUV-based warm white LEDs. RSC Advances, 2018, 8, 40693-40700.	1.7	29
104	Electronic and optical properties of a novel fluoroaluminate red phosphor Cs₂NaAl₃F₁₂:Mn⁴⁺ with high color purity for white light-emitting diodes. Dalton Transactions, 2019, 48, 12459-12465.	1.6	29
105	Preparation of vanadium dioxide powders by thermolysis of a precursor at low temperature. Journal of Materials Science, 2000, 35, 3425-3429.	1.7	28
106	Oxygen-Cluster-Modified Anatase with Graphene Leads to Efficient and Recyclable Photo-Catalytic Conversion of CO2 to CH4 Supported by the Positron Annihilation Study. Scientific Reports, 2019, 9, 13103.	1.6	27
107	Bright Green Emitting CaYAlO₄:Tb³⁺,Ce³⁺ Phosphor: Energy Transfer and 3Dâ€Printing Artwork. Advanced Optical Materials, 2020, 8, 2000523.	3.6	26
108	Efficient Luminescence Enhancement of Mg₂TiO₄:Mn⁴⁺ Red Phosphor by Incorporating Plasmonic Ag@SiO₂ Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 21004-21009.	4.0	25

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109	High-performance flexible dye-sensitized solar cells by using hierarchical anatase TiO₂ nanowire arrays. RSC Advances, 2015, 5, 88052-88058.	1.7	24
110	Rational design of a tripartite-layered TiO₂photoelectrode: a candidate for enhanced power conversion efficiency in dye sensitized solar cells. Nanoscale, 2017, 9, 9913-9920.	2.8	24
111	Hydrothermally-mediated preparation and photoluminescent properties of Sr3Al2O6:Eu3+ phosphor. Materials Research Bulletin, 2006, 41, 225-231.	2.7	23
112	Anatase TiO₂single crystal hollow nanoparticles: their facile synthesis and high-performance in dye-sensitized solar cells. CrystEngComm, 2017, 19, 325-334.	1.3	23
113	Ni₃S₂ in Situ Grown on Ni Foam Coupled with Nitrogen-Doped Carbon Nanotubes as an Efficient Electrocatalyst for the Hydrogen Evolution Reaction in Alkaline Solution. ACS Omega, 2019, 4, 20244-20251.	1.6	23
114	Controlled Growth and Upâ€Conversion Improvement of Sodium Yttrium Fluoride Crystals. European Journal of Inorganic Chemistry, 2013, 2013, 1269-1274.	1.0	22
115	Ultrathin [110]â€Confined Li₄Ti₅O₁₂ Nanoflakes for High Rate Lithium Storage. Advanced Energy Materials, 2021, 11, 2003270.	10.2	22
116	Freeâ€Standing Crystalline@Amorphous Coreâ€“Shell Nanoarrays for Efficient Energy Storage. Small, 2020, 16, e2000040.	5.2	21
117	Double sites occupancy of Mn4+ in Cs2NaAlF6 with enhanced photoluminescence for white light-emitting diodes. Journal of Alloys and Compounds, 2020, 832, 154884.	2.8	21
118	A novel Mn⁴⁺-activated fluoride red phosphor Cs₃₀(Nb₂O₂F₉)₉(OH)₃Â·H₂O:Mn⁴⁺ with good waterproof stability for WLEDs. Journal of Materials Chemistry C, 2022, 10, 7049-7057.	5	21
119	Synthesis and improved photoluminescence of a novel red phosphor LiSrGaF₆:Mn⁴⁺for applications in warm WLEDs. Dalton Transactions, 2018, 47, 12944-12950.	1.6	20
120	â€œIsofacetâ€•Anatase TiO₂ Microcages: Topotactic Synthesis and Ultrastable Liâ€Ion Storage. Advanced Materials Interfaces, 2015, 2, 1500210.	1.9	18
121	One-step synthesis and luminescence properties of tetragonal double tungstates nanocrystals. Nanoscale, 2016, 8, 15486-15489.	2.8	18
122	Improved thermal stability of luminescence by anion modification in Na2Y(MoO4)(PO4):Tb3+,Eu3+ red-emitting phosphors. Journal of Alloys and Compounds, 2020, 837, 155438.	2.8	18
123	Formation of colloidal nanocrystal clusters of iron oxide by controlled ligand stripping. Chemical Communications, 2016, 52, 128-131.	2.2	17
124	Outward conversion of coreâ€“shell nanostructured ZnS microspheres to mesoporous ZnO ones. CrystEngComm, 2013, 15, 3334.	1.3	16
125	Stabilization of binder-free vanadium oxide-based oxygen electrodes using Pd clusters for Liâ€“O₂ batteries. Chemical Communications, 2020, 56, 1823-1826.	2.2	16
126	Rutile nanowire arrays: tunable surface densities, wettability and photochemistry. Journal of Materials Chemistry, 2011, 21, 15806.	6.7	15

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127	Facile Solvothermal Synthesis of Uniform Iron Selenide Nanoplates. European Journal of Inorganic Chemistry, 2011, 2011, 2098-2102.	1.0	15
128	Ta-Doped porous TiO₂ nanorod arrays by substrate-assisted synthesis: efficient photoelectrocatalysts for water oxidation. Nanoscale, 2018, 10, 19367-19374.	2.8	15
129	Structural modulation induced intensity enhancement of full color spectra: a case of Ba₃ZnTa_{2â^'x}Nb_xO₉:Eu³⁺ phosphors. Journal of Materials Chemistry C, 2020, 8, 6715-6723.	2.7	15
130	Analysis of Upconversion Fluorescence Dynamics in NaYF4Codoped with Er3+and Yb3+. Spectroscopy Letters, 2007, 40, 259-269.	0.5	14
131	Ultrathin nanobelts-assembled Chinese knot-like 3D TiO2 for fast and stable lithium storage. Nano Research, 2018, 11, 2116-2128.	5.8	14
132	Ultrafine SnO₂ Nanocrystals Selfâ€Anchored in Carbon for Stable Lithium Storage. ChemElectroChem, 2018, 5, 2341-2347.	1.7	14
133	Utilizing a Photocatalysis Process to Achieve a Cathode with Low Charging Overpotential and High Cycling Durability for a Liâ€O₂ Battery. Angewandte Chemie, 2020, 132, 21095-21099.	1.6	14
134	Singleâ€Crystal Red Phosphors and Their Coreâ€“Shell Structure for Improved Waterâ€Resistance for Laser Diodes Applications. Angewandte Chemie, 2021, 133, 3986-3991.	1.6	14
135	Facile shape and size-controlled growth of uniform magnetite and hematite nanocrystals with tunable properties. Science China Chemistry, 2011, 54, 923-929.	4.2	13
136	Phase control of ultrafine FeSe nanocrystals in a N-doped carbon matrix for highly efficient and stable oxygen reduction reaction. Journal of Materials Chemistry A, 2021, 9, 3464-3471.	5.2	13
137	Facile and scalable carbon- and binder-free electrode materials for ultra-stable and highly improved Liâ€“O₂ batteries. Chemical Communications, 2018, 54, 2858-2861.	2.2	12
138	Hierarchical Ta-Doped TiO2 Nanorod Arrays with Improved Charge Separation for Photoelectrochemical Water Oxidation under FTO Side Illumination. Nanomaterials, 2018, 8, 983.	1.9	12
139	Na2Tb0.5(MoO4)(PO4):0.5Eu3+: A red-emitting phosphor with both high thermal stability and high colour purity. Optical Materials, 2019, 97, 109376.	1.7	12
140	Hollow nanocubes constructed from <001> oriented anatase TiO₂nanoarrays: topotactic conversion and fast lithium-ion storage. CrystEngComm, 2017, 19, 2456-2463.	1.3	11
141	Broad-band emission of A₃Bâ€²Bâ€²â€²₂O₉ complex perovskites (A = Ba, Sr;) Tj ETQq1 1 0.7 Chemistry C, 2018, 6, 12566-12574.	2.7	11
142	Synthesis and improved photoluminescence of hexagonal crystals of Li₂ZrF₆:Mn⁴⁺ for warm WLED application. Dalton Transactions, 2018, 47, 16516-16523.	1.6	11
143	Facile synthesis of impurity-free iron single atom catalysts for highly efficient oxygen reduction reaction and active-site identification. Catalysis Science and Technology, 2019, 9, 6556-6560.	2.1	10
144	Preparation and Dielectric Properties of PMNâ€“PT Ceramics. Journal of Materials Science Letters, 1998, 17, 1567-1568.	0.5	9

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