

Qingming Huang

List of Publications by Year in descending order

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42
papers

1,547
citations

471061

17
h-index

315357

38
g-index

42
all docs

42
docs citations

42
times ranked

1516
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel double-perovskite $Gd_{2}ZnTiO_{6}$: Mn^{4+} red phosphor for UV-based w-LEDs: structure and luminescence properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2374-2381.	2.7	240
2	Synthesis and Characterization of Highly Efficient Near-Infrared Upconversion $Sc_{3}/Er_{3}/Yb_{3}$ Tridoped $NaYF_{4}$. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4719-4724.	1.5	144
3	Bandgap Tailoring via Si Doping in Inverse-Garnet $Mg_{3}Y_{2}Ge_{3}O_{12}$: Ce^{3+} Persistent Phosphor Potentially Applicable in AC-LED. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21835-21843.	4.0	143
4	Non-Rare Earth $K_{2}XF_{7}$: Mn^{4+} ($X = Ta, Nb$): A Highly Efficient Narrow Band Red Phosphor Enabling the Application in Wide Color Gamut LCD. <i>Laser and Photonics Reviews</i> , 2017, 11, 1700148.	4.4	120
5	A highly-distorted octahedron with a C_{2v} group symmetry inducing an ultra-intense zero phonon line in Mn^{4+} -activated oxyfluoride $Na_{2}WO_{2}F_{4}$. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10524-10532.	2.7	120
6	$Lu_{2}CaMg_{2}(Si_{1-x}Ge_{x})_{3}O_{12}$: Ce^{3+} solid-solution phosphors: bandgap engineering for blue-light activated afterglow applicable to AC-LED. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10329-10338.	2.7	92
7	Resonance Emission Enhancement (REE) for Narrow Band Red-Emitting $A_{2}GeF_{6}$: Mn^{4+} ($A = Na, K, Rb, Cs$) Phosphors Synthesized via a Precipitation-Cation Exchange Route. <i>Inorganic Chemistry</i> , 2017, 56, 11900-11910.	1.9	86
8	Structure and luminescence behavior of a single-ion activated single-phased $Ba_{2}Y_{3}(SiO_{4})_{3}F$:Eu white-light phosphor. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1789-1797.	2.7	81
9	$CsPbBr_{3}/EuPO_{4}$ dual-phase devitrified glass for highly sensitive self-calibrating optical thermometry. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9964-9971.	2.7	68
10	A Photostimulated $BaSi_{2}O_{5}$: Eu^{2+} , Nd^{3+} Phosphor-Glass for Erasable-Rewritable Optical Storage Medium. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900006.	4.4	55
11	Synthesis of ZnO nanoparticle-anchored biochar composites for the selective removal of perchlorate, a surrogate for pertechnetate, from radioactive effluents. <i>Journal of Hazardous Materials</i> , 2020, 387, 121670.	6.5	55
12	Stress-induced $CsPbBr_{3}$ nanocrystallization on glass surface: Unexpected mechanoluminescence and applications. <i>Nano Research</i> , 2019, 12, 1049-1054.	5.8	50
13	Low concentration Re(VII) recovery from acidic solution by Cu-biochar composite prepared from bamboo (<i>Acidosasa longiligula</i>) shoot shell. <i>Minerals Engineering</i> , 2018, 124, 123-136.	1.8	37
14	Improvement of photoluminescence properties and thermal stability of $Y_{2.9}Ce_{0.1}Al_{5-x}Si_{x}O_{12}$ phosphors with $Si_{3}N_{4}$ addition. <i>Journal of Alloys and Compounds</i> , 2014, 615, 588-593.	2.8	33
15	Adsorption desulfurization performance and adsorption-diffusion study of $B_{2}O_{3}$ modified $Ag-CeO_{x}/TiO_{2}-SiO_{2}$. <i>Journal of Hazardous Materials</i> , 2019, 362, 424-435.	6.5	33
16	Upconversion performance improvement of $NaYF_{4}$:Yb, Er by Sn codoping: Enhanced emission intensity and reduced decay time. <i>Journal of Solid State Chemistry</i> , 2013, 207, 170-177.	1.4	32
17	Upconversion Effective Enhancement by Producing Various Coordination Surroundings of Rare-Earth Ions. <i>Inorganic Chemistry</i> , 2015, 54, 2643-2651.	1.9	24
18	Fabrication of a stable poly(vinylpyrrolidone)/poly(urushiol) multilayer ultrathin film through layer-by-layer assembly and photo-induced polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 337, 15-20.	2.3	15

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19	Synthesis of ERB-1 by a steam-environment crystallization method and further application in the post-synthesis of Ti-MWW zeolite. <i>Applied Catalysis A: General</i> , 2018, 564, 218-225.	2.2	13
20	Fast synthesis of hierarchical nanosized pure Si-Beta zeolite via a steam-assisted conversion method. <i>Microporous and Mesoporous Materials</i> , 2020, 293, 109675.	2.2	13
21	Tuning crystal field symmetry of hexagonal NaY _{0.92} Yb _{0.05} Er _{0.03} F ₄ by Ti ⁴⁺ codoping for high-performance upconversion. <i>Journal of Alloys and Compounds</i> , 2014, 613, 253-259.	2.8	12
22	The construction of MoO ₃ -supported catalyst for low-temperature propylene gas-phase epoxidation by Cu modification. <i>Journal of Catalysis</i> , 2018, 368, 120-133.	3.1	12
23	The surface construction of MoO ₃ -Bi coordination for high catalytic performance in gas-phase epoxidation of propylene with O ₂ . <i>Catalysis Science and Technology</i> , 2018, 8, 1070-1082.	2.1	10
24	Green synthesis of submicron-sized Ti-rich MWW zeolite powders via a novel mechanochemical dry gel conversion in mixed steam environment. <i>Advanced Powder Technology</i> , 2020, 31, 2025-2034.	2.0	10
25	Enhancement of photoluminescence properties and modification of crystal structures of Si ₃ N ₄ doping Li ₂ Sr _{0.995} SiO ₄ :0.005Eu ²⁺ phosphors. <i>Materials Research Bulletin</i> , 2015, 70, 309-314.	2.7	9
26	Energy transfer between two luminescent centers and photoluminescent properties of Ca _{4-y} La ₆ (AlO ₄) ₆ -O ₁₋₂ :yEu ²⁺ apatite structure phosphors. <i>Journal of Luminescence</i> , 2021, 235, 117991.	1.5	9
27	Upconversion Performance Enhancement of NaYF ₄ :Yb/Tm by Codoping Hf ⁴⁺ as Energy Migrator. <i>Acta Chimica Sinica</i> , 2016, 74, 191.	0.5	5
28	Phosphorus modified MoO ₃ -Bi ₂ SiO ₅ /SiO ₂ catalyst for gas-phase epoxidation of propylene by molecular oxygen. <i>Research on Chemical Intermediates</i> , 2017, 43, 7055-7071.	1.3	4
29	The construction of sublattice level energy cluster for promoting UV upconversion emission in tetragonal LiYF ₄ . <i>Journal of Alloys and Compounds</i> , 2020, 821, 153544.	2.8	4
30	A General Synthesis Strategy for Highly Dispersed Amorphous MoO ₃ over Supported Catalysts. <i>ChemistrySelect</i> , 2016, 1, 2071-2078.	0.7	3
31	Structure and upconversion luminescence investigation of cubic Y ₃ Yb _{0.4} Er _{0.08} Al _{0.32} F ₁₂ codoped with Mg ²⁺ /Zn ²⁺ /Cu ²⁺ . <i>Journal of Materials Science</i> , 2017, 52, 4810-4819.	1.7	3
32	Rigid-resilient transition in calcium borosilicate sealing glass-ceramics: Effect of preferred orientation. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2410-2416.	2.8	3
33	The Construction of Au-Fe-TS-1 Interface Coupling Structure for Improving Catalytic Performance of Propylene Epoxidation with H ₂ and O ₂ . <i>Catalysis Letters</i> , 2020, 150, 3149-3158.	1.4	3
34	Synthesis of Different Morphology Er ³⁺ /Yb ³⁺ Codoped Hexagonal NaYF ₄ and Upconversion Luminescence Property Investigation. <i>Acta Chimica Sinica</i> , 2013, 71, 1071.	0.5	2
35	Sublattice Energy Cluster Construction for The Enhancement of NIR Photocatalytic Performance of LiYF ₄ : Tm@TiO ₂ . <i>ChemistrySelect</i> , 2019, 4, 4262-4270.	0.7	1
36	Phase Transition Induction and Upconversion Luminescence Enhancement of NaY _{0.95} Er _x Yb _{0.03} Er _{0.02} F ₄ by 0.5 In ³⁺ Codoping. <i>Acta Chimica Sinica</i> , 2013, 71, 1639.		1

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37	Study on the Upconversion Luminescence Mechanism of Tetragonal LiYF ₄ : RE with Sublattice Energy Cluster Construction and Crystal Field Manipulation. <i>Acta Chimica Sinica</i> , 2020, 78, 968.	0.5	1
38	Enhancement of Upconversion Luminescence by the Construction of a 3Yb-Er-Hf Sublattice Energy Cluster and Surface Defect Elimination. <i>Inorganic Chemistry</i> , 2022, 61, 5405-5412.	1.9	1
39	Preparation of Ni-Co-W-Si amorphous cosolute materials and study on adsorption properties. <i>Materials Research Express</i> , 2017, 4, 115204.	0.8	0
40	The constructing of Si-Fe-Sn co-solution surface of composite iron oxide catalyst via vapor methanol pretreatment and application in gaseous phenolic alkylation. <i>Solid State Sciences</i> , 2019, 87, 124-137.	1.5	0
41	Introduction of Bi-Functional Cu/SiO ₂ for Modulating the Chemical States of MoO ₃ · 2 SiO ₂ /SiO ₂ . <i>ChemistrySelect</i> , 2020, 5, 5771-5775.	0.7	0
42	Diatomite-Assisted Synthesis of Ordered Mesoporous Carbon and Its Application in Fuel Cells. <i>Acta Chimica Sinica</i> , 2012, 70, 1939.	0.5	0