Yanhua Song

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8771254/publications.pdf

Version: 2024-02-01

106	3,499	147801	155660
papers	citations	31 h-index	55 g-index

106	106	106	3279
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	White-light emission from a single-emitting-component Ca9Gd(PO4)7:Eu2+,Mn2+ phosphor with tunable luminescent properties for near-UV light-emitting diodes. Journal of Materials Chemistry, 2010, 20, 9061.	6.7	204
2	General and Facile Method To Prepare Uniform Y₂O₃:Eu Hollow Microspheres. Crystal Growth and Design, 2009, 9, 301-307.	3.0	162
3	Hierarchically Nanostructured Coordination Polymer: Facile and Rapid Fabrication and Tunable Morphologies. Crystal Growth and Design, 2010, 10, 790-797.	3.0	158
4	Optical Properties and Energy Transfer of NaCaPO₄:Ce³⁺,Tb³⁺ Phosphors for Potential Application in Lightâ€Emitting Diodes. European Journal of Inorganic Chemistry, 2010, 2010, 4636-4642.	2.0	143
5	Facile and rapid fabrication of metalâ€“organic framework nanobelts and color-tunable photoluminescence properties. Journal of Materials Chemistry, 2010, 20, 3272.	6.7	142
6	Highly Uniform Gd(OH)₃ and Gd₂O₃:Eu³⁺ Nanotubes: Facile Synthesis and Luminescence Properties. Journal of Physical Chemistry C, 2009, 113, 6050-6055.	3.1	134
7	Sr 3 Al 2 O 5 Cl 2 : Ce 3 + , Eu 2 + : A potential tunable yellow-to-white-emitting phosphor for ultraviolet light emitting diodes. Applied Physics Letters, 2009, 94, .	3.3	127
8	Room-Temperature Synthesis of Multi-Morphological Coordination Polymer and Tunable White-Light Emission. Crystal Growth and Design, 2010, 10, 16-19.	3.0	111
9	Highly Uniform and Monodisperse Gd₂O₂S:Ln³⁺ (Ln = Eu, Tb) Submicrospheres: Solvothermal Synthesis and Luminescence Properties. Inorganic Chemistry, 2010, 49, 11499-11504.	4.0	110
10	Coordination-Induced Formation of One-Dimensional Nanostructures of Europium Benzene-1,3,5-tricarboxylate and Its Solid-State Thermal Transformation. Crystal Growth and Design, 2009, 9, 3519-3524.	3.0	89
11	Facile shape-controlled synthesis of luminescent europium benzene-1,3,5-tricarboxylate architectures at room temperature. CrystEngComm, 2009, 11, 2622.	2.6	80
12	Multimorphology Mesoporous Silica Nanoparticles for Dye Adsorption and Multicolor Luminescence Applications. ACS Sustainable Chemistry and Engineering, 2018, 6, 3533-3545.	6.7	74
13	Facile selective synthesis and luminescence behavior of hierarchical NaY(WO4)2:Eu3+ and Y6WO12:Eu3+. CrystEngComm, 2011, 13, 3001.	2.6	62
14	Gd2O2S:Yb,Er submicrospheres with multicolor upconversion fluorescence. RSC Advances, 2012, 2, 4777.	3.6	58
15	Facile Synthesis and Luminescence of Sr5(PO4)3Cl:Eu2+ Nanorod Bundles via a Hydrothermal Route. Inorganic Chemistry, 2010, 49, 1674-1678.	4.0	55
16	Study on the Local Structure and Luminescence Properties of a Y₂Mg₂Al₂Si₂O₁₂:Eu³⁺ Red Phosphor for White-Light-Emitting Diodes. Inorganic Chemistry, 2020, 59, 9927-9937.	4.0	55
17	Properties and Application of Single Eu²⁺-Activated Color Tuning Phosphors. ACS Sustainable Chemistry and Engineering, 2019, 7, 10724-10733.	6.7	51
18	Photoluminescence and Photocatalysis Properties of Dual-Functional Eu³⁺-Doped Anatase Nanocrystals. Journal of Physical Chemistry C, 2017, 121, 2369-2379.	3.1	49

#	Article	IF	Citations
19	Novel highly efficient single-component multi-peak emitting aluminosilicate phosphors co-activated with Ce³⁺, Tb³⁺ and Eu²⁺: luminescence properties, tunable color, and thermal properties. Physical Chemistry Chemical Physics, 2018, 20, 1591-1607.	2.8	49
20	Photocatalytic and Photoluminescence Properties of Coreâ€“Shell SiO₂@TiO₂:Eu³⁺,Sm³⁺ and Its Etching Products. ACS Sustainable Chemistry and Engineering, 2018, 6, 223-236.	6.7	48
21	Controllable Synthesis and Luminescence Properties of La(OH)₃ and La(OH)₃:Tb³⁺ Nanocrystals with Multiform Morphologies. European Journal of Inorganic Chemistry, 2009, 2009, 3721-3726.	2.0	47
22	Electrospinning synthesis of SiO2-TiO2 hybrid nanofibers with large surface area and excellent photocatalytic activity. Applied Surface Science, 2019, 488, 284-292.	6.1	46
23	Li⁺ Ion Induced Full Visible Emission in Single Eu²⁺â€Doped White Emitting Phosphor: Eu²⁺ Site Preference Analysis, Luminescence Properties, and WLED Applications. Advanced Optical Materials, 2021, 9, 2100337.	7.3	45
24	Facile Synthesis and Luminescence Properties of Highly Uniform MF/YVO4:Ln3+ (Ln = Eu, Dy, and Sm) Composite Microspheres. Crystal Growth and Design, 2009, 9, 3702-3706.	3.0	44
25	Tunable emission, thermal stability and energy-transfer properties of SrAl 2 Si 2 O 8 : Ce 3+ /Tb 3+ phosphors for w-LEDs. Journal of Alloys and Compounds, 2017, 714, 627-635.	5.5	43
26	BaGdF₅:Dy³⁺,Tb³⁺,Eu³⁺ multifunctional nanospheres: paramagnetic, luminescence, energy transfer, and tunable color. Physical Chemistry Chemical Physics, 2016, 18, 13861-13873.	2.8	39
27	Multifunctional Ca9NaZn1-Mg (PO4)7:Eu2+ phosphor for full-spectrum lighting, optical thermometry and pressure sensor applications. Chemical Engineering Journal, 2022, 431, 133805.	12.7	36
28	Ultra-wideband phosphor Mg2Gd8(SiO4)6O2:Ce3+,Mn2+: Energy transfer and pressure-driven color tuning for potential applications in LEDs and pressure sensors. Chemical Engineering Journal, 2022, 427, 131897.	12.7	35
29	Synthesis and luminescent properties of NaLa(MoO4)2:Eu3+ shuttle-like nanorods composed of nanoparticles. CrystEngComm, 2011, 13, 4046.	2.6	33
30	Luminescence properties and Juddâ€“Ofelt analysis of TiO2:Eu3+ nanofibers via polymer-based electrospinning method. RSC Advances, 2016, 6, 52113-52121.	3.6	33
31	Luminescence and Energy Transfer of Color-Tunable Y₂Mg₂Al₂Si₂O₁₂:Eu²⁺,Ce³⁺ Phosphors. Inorganic Chemistry, 2021, 60, 5908-5916.	4.6	33
32	Color-tunable Eu²⁺,Eu³⁺ co-doped Ca₂₀Al₂₆Mg₃Si₃O₆₈ phosphor for w-LEDs. Journal of Materials Chemistry C, 2019, 7, 6978-6985.	5.5	32
33	Facile synthesis and catalytic properties of CeO2 with tunable morphologies from thermal transformation of cerium benzendicarboxylate complexes. CrystEngComm, 2011, 13, 1786.	2.6	31
34	Ca(Mg_{0.8}Al_{0.2})(Si_{1.8}Al_{0.2})O₆:Ce³⁺,Tb³⁺ Phosphors: Structure Control, Density-Functional Theory Calculation, and Luminescence Property for pc-wLED Application. Inorganic Chemistry, 2020, 59, 4790-4799.	4.0	31
35	Ca₂₀Al₂₆Mg₃Si₃O₆₈:Ce³⁺,Tb³⁺ Phosphors: Preferential Site Occupation, Color-Tunable Luminescence and Device Application. ACS Sustainable Chemistry and Engineering, 2019, 7, 3154-3163.	6.7	30
36	Gd2O2S:Eu3+ and Gd2O2S:Eu3+/Gd2O2S hollow microspheres: Solvothermal preparation and luminescence properties. Journal of Alloys and Compounds, 2012, 532, 34-40.	5.5	29

#	Article	IF	Citations
37	Luminescence properties, energy transfer and multisite luminescence of Bi³⁺/Sm³⁺/Eu³⁺-coactivated Ca₂₀Al₂₆Mg₃Si₃O₆₈ as a potential phosphor for white-light LEDs. RSC Advances, 2016, 6, 89984-89993.	3.6	29
38	Single-component and white light-emitting phosphor BaAl 2 Si 2 O 8 : Dy 3+ , Eu 3+ synthesis, luminescence, energy transfer, and tunable color. Optical Materials, 2016, 60, 196-203.	3.6	28
39	Lu₂O₂S:Tb³⁺, Eu³⁺nanorods: luminescence, energy transfer, and multicolour tuneable emission. CrystEngComm, 2016, 18, 7620-7628.	2.6	27
40	The photoluminescence, thermal properties and tunable color of Na_{1â^'x}Al_{1+2x}Si_{1â^'2x}O₄:xCe³⁺/Tb³⁺/Dy³⁺ energy transfer: a single-component multicolor-emitting phosphor. Physical Chemistry Chemical Physics, 2017, 19, 22197-22209.	2.8	27
41	White light-emitting, tunable color luminescence, energy transfer and paramagnetic properties of terbium and samarium doped BaGdF₅ multifunctional nanomaterials. RSC Advances, 2016, 6, 73160-73169.	3.6	26
42	YF₃:RE³⁺ (RE = Dy, Tb, Eu) Sub-microstructures: Controllable Morphology, Tunable Multicolor, and Thermal Properties. Journal of Physical Chemistry C, 2017, 121, 23080-23095.	3.1	26
43	Uniform hollow TiO2:Sm3+ spheres: Solvothermal synthesis and luminescence properties. Powder Technology, 2013, 239, 403-408.	4.2	25
44	Hydrothermal Synthesis and Luminescence of Eu-Doped Ba_{0.92}Y_{2.15}F_{8.29} Submicrospheres. Journal of Physical Chemistry C, 2009, 113, 16962-16968.	3.1	24
45	Energy transfer and luminescence properties of Dy3+/Eu3+ doped silicoaluminate phosphors. Optical Materials, 2019, 89, 512-520.	3.6	24
46	Photoluminescence and Color-Tunable Properties of Na₄Ca₄Mg₂₁(PO₄)₁₈:Eu²⁺,Tb³⁺/Mn<sup> Phosphors for Applications in White LEDs. Inorganic Chemistry, 2020, 59, 14193-14206.	4.3	24
47	The photoluminescence, thermal properties and tunable color of bright green-emitting Ba3Sc(BO3)3:Ce3+/Tb3+ phosphors via efficient energy transfer. Journal of Alloys and Compounds, 2021, 859, 157766.	5.5	24
48	Controlled synthesis of calcite/vaterite/aragonite and their applications as red phosphors doped with Eu³⁺ ions. CrystEngComm, 2017, 19, 2758-2767.	2.6	23
49	Columnar Gd₂O₃:Eu³⁺/Tb³⁺ phosphors: preparation, luminescence properties and growth mechanism. CrystEngComm, 2018, 20, 7322-7328.	2.6	23
50	Facile synthesis and luminescent properties of flower-like LaPO4:Ln3+ (Ln = Ce, Tb) hierarchical architectures. CrystEngComm, 2010, 12, 2865.	2.6	22
51	Facile synthesis and luminescence properties of octahedral YVO4:Eu3+ microcrystals. Journal of Crystal Growth, 2009, 311, 4213-4218.	1.5	21
52	Hydrothermal assisted solâ€“gel synthesis and multisite luminescent properties of anatase TiO₂:Eu³⁺ nanorods. RSC Advances, 2015, 5, 59314-59319.	3.6	21
53	Luminescence properties and energy transfer of Ca2Mg0.5AlSi1.5O7:Ce3+, Eu2+ phosphors for UV-excited white LEDs. Powder Technology, 2014, 253, 803-808.	4.2	20
54	Tunable color and energy transfer in single-phase white-emitting Ca20Al26Mg3Si3O68:Ce3+,Dy3+ phosphors for UV white light-emitting diodes. Journal of Solid State Chemistry, 2015, 232, 169-177.	2.9	20

#	Article	IF	Citations
55	Magnetic-downconversion luminescent bifunctional BaGdF₅:Dy³⁺,Eu³⁺ nanospheres: energy transfer, multicolor luminescence and paramagnetic properties. RSC Advances, 2016, 6, 53444-53453.	3.6	20
56	3D Hierarchical Architectures of Sodium Lanthanide Sulfates: Hydrothermal Synthesis, Formation Mechanisms, and Luminescence Properties. Journal of Physical Chemistry C, 2011, 115, 19463-19469.	3.1	19
57	Luminescent properties and energy transfer of Gd3+/Eu3+ co-doped high uniform meso-silica nanorods. Journal of Luminescence, 2015, 158, 456-463.	3.1	19
58	Crystal structure, luminescence properties and application performance of color tuning Y₂Mg₂Al₂Si₂O₁₂:Ce³⁺,Mn²⁺ phosphors for warm white light-emitting diodes. Materials Advances, 2020, 1, 2261-2270.	5.4	19
59	Controlled synthesis and morphology dependent luminescence of Lu₂O₂S:Eu³⁺ phosphors. RSC Advances, 2016, 6, 7846-7853.	3.6	18
60	Understanding the remarkable luminescence enhancement via SiO₂ coating on TiO₂:Eu³⁺ nanofibers. Physical Chemistry Chemical Physics, 2017, 19, 17063-17074.	2.8	17
61	Facile synthesis of Y₄O(OH)₉NO₃:Eu3+/Y₂O₃:Eu3+nanotubes and nanobundles from nanolamellar precursors. CrystEngComm, 2010, 12, 585-590.	2.6	16
62	Synthesis and luminescence properties of Eu(III)-doped silica nanorods based on the solâ€“gel process. Journal of Sol-Gel Science and Technology, 2014, 69, 536-543.	2.4	16
63	Facile synthesis and luminescence properties of Gd2O3:Eu microrods from thermal transformation of Gd(Eu) tartrate complexes. Journal of Alloys and Compounds, 2015, 622, 143-148.	5.5	16
64	Facile synthesis and color-tunable properties of BaLuF5:Ce,Tb,Eu(Sm) submicrospheres via a facile ionic liquid/EG two-phase system. Journal of Colloid and Interface Science, 2017, 487, 281-288.	9.4	15
65	Synthesis and Luminescent Properties of Cerium-, Terbium-, or Dysprosium-Doped Gd4Si2O7N2 Materials. European Journal of Inorganic Chemistry, 2011, 2011, 2327-2332.	2.0	14
66	Morphology control and tunable color of LuVO4:Ln3+ (Ln = Tm, Er, Sm, Eu) nano/micro-structures. New Journal of Chemistry, 2017, 41, 709-716.	2.8	14
67	Electrospinning fabrication and luminescence properties of Lu₂O₂S:Eu³⁺fibers. CrystEngComm, 2017, 19, 699-707.	2.6	14
68	Facile surfactant- and template-free synthesis and luminescence properties of needle-like calcite CaCO₃:Eu³⁺ phosphors. CrystEngComm, 2018, 20, 496-504.	2.6	14
69	Solvothermal synthesis of columnar Gd₂O₂S:Eu³⁺ and a comparative study with columnar Gd₂O₃:Eu³⁺. Journal of the American Ceramic Society, 2020, 103, 356-366.	3.8	14
70	Comparative study on the morphology, growth mechanism and luminescence property of RE2O2S:Eu3+ (REâ€‰=â€‰Lu, Gd, Y) phosphors. Journal of Alloys and Compounds, 2021, 870, 159273.	5.5	14
71	Fabrication and photoluminescence properties of TiO₂:Eu³⁺ microspheres with tunable structure from solid to coreâ€“shell. CrystEngComm, 2014, 16, 9216-9223.	2.6	13
72	Luminescent properties of Ca2Mg0.75Al0.5Si1.75O7:Ln (Ln = Ce3+, Dy3+, Eu3+, Sm3+) and their application for UV white light-emitting diodes. Journal of Alloys and Compounds, 2015, 644, 82-90.	5.5	13

#	Article	IF	Citations
73	Ionic liquids assisted synthesis and luminescence properties of Ca5(PO4)3Cl:Ce3+,Tb3+ nanostructures. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	11
74	Controlled synthesis and luminescence properties of GdF₃with different crystalline phases and morphologies. CrystEngComm, 2017, 19, 1517-1527.	2.6	11
75	SiO₂@TiO₂:Eu³⁺ and Its Derivatives: Design, Synthesis, and Properties. Crystal Growth and Design, 2017, 17, 6486-6497.	3.0	11
76	New singleâ€component multicolor emission Na_{1â^'x}Al_{1+2x}Si_{1â^'2x}O4:xBi³⁺/Eu³⁺ phosphors via energy transfer. Journal of the American Ceramic Society, 2018, 101, 2353-2367.	3.8	11
77	A single-phase full-visible-spectrum phosphor for white light-emitting diodes with ultra-high color rendering. Dalton Transactions, 2020, 49, 17796-17805.	3.3	11
78	Facile synthesis of CaO:Eu3+ and comparative study on the luminescence properties of CaO:Eu3+ and CaCO3:Eu3+. Journal of Luminescence, 2022, 241, 118491.	3.1	11
79	Spherical Lu 2 O 2 S:Eu 3+ micro/nano-structure: Controlled synthesis and luminescence properties. Optical Materials, 2017, 64, 88-94.	3.6	10
80	BaCaLu₂F₁₀:Ln³⁺ (Ln = Eu, Dy, Tb, Sm, Yb/Er, Yb/Ho) spheres: ionic liquid-based synthesis and luminescence properties. CrystEngComm, 2018, 20, 6173-6182.	2.6	10
81	Preparation, characterization and photoluminescence properties of TiO2:Eu3+ nanorods and nanobelts. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	9
82	Growth, structure and optical properties of tartaric acid-templated silica nanotubes by solâ€“gel method. Journal of Sol-Gel Science and Technology, 2013, 68, 204-212.	2.4	9
83	Facile synthesis and multicolor luminescence properties of Gd4O3F6:Ln3+ (Ln = Eu, Tb, Dy, Sm, Ho, Tm,) Tj ETQq1 1 0.784314 rgBT /Ov	3.6	9
84	SiO2:Tb3+@Lu2O3:Eu3+ Coreâ€“Shell Phosphors: Interfacial Energy Transfer for Enhanced Multicolor Luminescence. Inorganic Chemistry, 2021, 60, 2542-2552.	4.0	9
85	Ionic liquid-based hydrothermal synthesis and luminescent properties of CaF2:Ce3+/Mn2+ nanocrystals. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	8
86	Facile synthesis and luminescence properties of europium(III)-doped silica nanotubes. Journal of Sol-Gel Science and Technology, 2014, 71, 313-323.	2.4	8
87	Ionic liquid-assisted two-phase synthesis of Lu7O6F9:Yb3+, Er3+ phosphors and their morphological control, color-tunable up-conversion luminescence and temperature sensing behavior. Ceramics International, 2021, 47, 21147-21160.	4.8	8
88	The preparation, structure and luminescent properties of Mgâ€“CaCO₃:Eu³⁺ phosphors. CrystEngComm, 2021, 23, 1517-1528.	2.6	8
89	Application of Oxidized Cornstarch as a Nonphosphoric Detergent Builder. Journal of Surfactants and Detergents, 2012, 15, 393-398.	2.1	7
90	Luminescence and energyâ€transfer properties of colorâ€tunable Ca₂Mg_{0.25}Al_{1.5}Si_{1.25}O₇:Ce³⁺/Eu²⁺/Tb<s phosphors for ultraviolet lightâ€emitting diodes. Luminescence, 2016, 31, 453-461.	2.9	7

#	Article	IF	Citations
91	Solâ€“gel synthesis of silica composited flower-like microspheres using trivalent europium tartrate as a template. Journal of Sol-Gel Science and Technology, 2018, 85, 470-479.	2.4	6
92	Synthesis and characterization of a flexible fluorescent magnetic Fe 3 O 4 @SiO 2 /CdTe-NH 2 nanoprobe. Journal of Inorganic Biochemistry, 2018, 186, 307-316.	3.5	6
93	Interfacial Energy Transfer in Hollow Double-Shelled TiO2:x%Eu3+@SiO2:y%Tb3+ Nanospheres for Tissue Imaging. ACS Applied Nano Materials, 2019, 2, 7644-7651.	5.0	6
94	Ionic liquid/H₂O two-phase synthesis and luminescence properties of BaGdF₅:RE³⁺ (RE = Ce/Dy/Eu/Yb/Er) octahedra. New Journal of Chemistry, 2021, 45, 742-750.	2.8	6
95	Pressure-driven Eu2+-doped K3Sc(PO4)2: A broad cyan-green emitting phosphor for closing the cyan cavity in solid-state lighting and applying in optical pressure sensor. Journal of Luminescence, 2022, 245, 118798.	3.1	6
96	Srâ€induced colorâ€tunable and thermal stability enhancing in the phosphor (Ba 1â€x Sr x) 9 Lu 2 Si 6 O 24 :Eu 2+ for solidâ€state lighting. Journal of the American Ceramic Society, 2019, 102, 5284-5294.	3.8	5
97	The synthesis and luminescence properties of Lu2O3:Eu3+ rods and its comparative analysis with Lu2O2S:Eu3+ rods. Optical Materials, 2020, 109, 110355.	3.6	5
98	Controllable synthesis of bifunctional material Ca2Ti2O6:Eu3+ and its comparative study on luminescence and photocatalytic properties with CaTiO3:Eu3+. Ceramics International, 2022, , .	4.8	5
99	Synthesis, structure and multicolor-tunable luminescence of the dandelion-like SiO₂:Ln³⁺ (Ln = Eu, Tb) nanophosphors. New Journal of Chemistry, 2017, 41, 5688-5695.	2.8	4
100	Two strategies to achieve color adjustment of Eu2+-doped garnet Lu2Mg2Al2Si2O12 phosphors. Journal of Luminescence, 2022, 243, 118651.	3.1	4
101	Luminescence and tunable color properties of uniphase white-emitting Sr3B2SiO8:Tm3+/Dy3+/Eu3+phosphors by energy transfer for UV-excited white LEDs. Optical and Quantum Electronics, 2021, 53, 1.	3.3	3
102	Structural Design for Controlling the Lattice Strain Relaxation Process in TiO₂/SiO₂ Coreâ€“Shell Nanoparticles. ACS Sustainable Chemistry and Engineering, 2021, 9, 16796-16807.	6.7	3
103	Systematic Study on the Luminescent Properties, Thermal Stability, and Magnetic Behavior of GdOF: RE³⁺ (RE = Eu, Yb, and Er) Red Phosphors with Various Morphologies. Inorganic Chemistry, 2022, 61, 10642-10651.	4.0	3
104	Sr₂Gd₈(SiO₄)₆O₂:Ce³⁺/Mn²⁺: A Singleâ€Component Whiteâ€Lightâ€Emitting Phosphor for UV Wâ€LEDs. ChemistrySelect, 2019, 4, 3871-3877.	1.5	2
105	Spherical Microstructures of Lu₂O₃:Ln³⁺ (Ln=Tm, Dy, Tb, Eu): Rapid Microwaveâ€Assisted Synthesis, Energy Transfer, and Multicolor Emission. ChemistrySelect, 2017, 2, 5167-5174.	1.5	0
106	SiO 2 @TiO 2 :Sm 3+ with Diverse Phase Structure and Morphology: Photoluminescence and Simulated Solar Lightâ€Activated Photodegradation Properties. ChemistrySelect, 2019, 4, 2832-2845.	1.5	0