

# Huanrong Li

## List of Publications by Year in descending order

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89  
papers

3,575  
citations

87888

38  
h-index

149698

56  
g-index

90  
all docs

90  
docs citations

90  
times ranked

3346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Loading Photochromic Molecules into a Luminescent Metal-Organic Framework for Information Anticounterfeiting. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18025-18031.	13.8	205
2	Formation of Cyclic Carbonates from Carbon Dioxide and Epoxides Coupling Reactions Efficiently Catalyzed by Robust, Recyclable One-Component Aluminum-Salen Complexes. <i>ACS Catalysis</i> , 2012, 2, 2029-2035.	11.2	185
3	Photoresponsive supramolecular coordination polyelectrolyte as smart anticounterfeiting inks. <i>Nature Communications</i> , 2021, 12, 1363.	12.8	160
4	Reversible Phase Transition of Robust Luminescent Hybrid Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2194-2198.	13.8	149
5	Organic-Inorganic Hierarchical Self-Assembly into Robust Luminescent Supramolecular Hydrogel. <i>Advanced Functional Materials</i> , 2017, 27, 1604379.	14.9	125
6	A Robust Mixed-Lanthanide PolyMOF Membrane for Ratiometric Temperature Sensing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21752-21757.	13.8	115
7	Luminescent Lanthanide-Based Organic/Inorganic Hybrid Materials for Discrimination of Glutathione in Solution and within Hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13554-13563.	8.0	93
8	Water-Soluble Luminescent Hybrid Composites Consisting of Oligosilsesquioxanes and Lanthanide Complexes and their Sensing Ability for Cu <sup>2+</sup> . <i>Chemistry - A European Journal</i> , 2016, 22, 3037-3043.	3.3	82
9	Orange to Red, Emission-Tunable Mn-Doped Two-Dimensional Perovskites with High Luminescence and Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34109-34116.	8.0	75
10	Soft material with intense photoluminescence obtained by dissolving Eu <sub>2</sub> O <sub>3</sub> and organic ligand into a task-specific ionic liquid. <i>Chemical Communications</i> , 2008, , 5209.	4.1	71
11	Surface Modification and Functionalization of Microporous Hybrid Material for Luminescence Sensing. <i>Chemistry - A European Journal</i> , 2010, 16, 2125-2130.	3.3	71
12	Photostable and efficient red-emitters based on zeolite L crystals. <i>Journal of Materials Chemistry</i> , 2011, 21, 14755.	6.7	66
13	One Stone, Two Birds: High-Efficiency Blue-Emitting Perovskite Nanocrystals for LED and Security Ink Applications. <i>Chemistry of Materials</i> , 2019, 31, 5116-5123.	6.7	66
14	Novel Luminescent Soft Materials of Terpyridine-Containing Ionic Liquids and Europium(III). <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6268-6275.	8.0	62
15	Color-tunable luminescent hydrogels with tough mechanical strength and self-healing ability. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1153-1159.	5.5	57
16	A transparent and luminescent ionogel based on organosilica and ionic liquid coordinating to Eu <sup>3+</sup> ions. <i>Journal of Materials Chemistry</i> , 2010, 20, 972-975.	6.7	56
17	Carboxyl-Functionalized Ionic Liquid Assisted Preparation of Flexible, Transparent, and Luminescent Chitosan Films as Vapor Luminescent Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19709-19715.	8.0	56
18	Luminescent Hybrid Materials Based on Laponite Clay. <i>Chemistry - A European Journal</i> , 2014, 20, 10392-10396.	3.3	53

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19	Europium complexes immobilization on titania via chemical modification of titanium alkoxide. <i>Journal of Materials Chemistry</i> , 2008, 18, 735.	6.7	50
20	Reversible Onâ€“Off Luminescence Switching in Self-Healable Hydrogels. <i>Langmuir</i> , 2015, 31, 12736-12741.	3.5	50
21	Green synthesis of luminescent soft materials derived from task-specific ionic liquid for solubilizing lanthanide oxides and organic ligand. <i>Journal of Materials Chemistry</i> , 2009, 19, 5533.	6.7	49
22	Preparation and Luminescence Properties of Hybrid Titania Immobilized with Lanthanide Complexes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3945-3949.	3.1	48
23	Self-Healing Material with Reversible Luminescence Switch Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54026-54034.	8.0	48
24	Multistimuli-Responsive Lanthanide-Containing Smart Luminescent Hydrogel Actuator. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 20633-20640.	8.0	48
25	Luminescent materials of zeolite functionalized with lanthanides. <i>CrystEngComm</i> , 2014, 16, 9764-9778.	2.6	47
26	Size fractionation of graphene oxide sheets by the polar solvent-selective natural deposition method. <i>RSC Advances</i> , 2015, 5, 146-152.	3.6	47
27	Emission Fingerprint Relationships of Lowâ€“Level Water in Organic Solvents Based on Ln <sup>3+</sup> â€“Diketonate Complexes in Laponite. <i>Advanced Optical Materials</i> , 2016, 4, 156-161.	7.3	46
28	Luminescent materials of lanthanoid complexes hosted in zeolites. <i>Chemical Communications</i> , 2018, 54, 13884-13893.	4.1	46
29	Simultaneous enhancement of mechanical strength and luminescence performance in double-network supramolecular hydrogels. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6869-6874.	5.5	46
30	Transparent, luminescent, and highly organized monolayers of zeolite L. <i>Journal of Materials Chemistry</i> , 2011, 21, 2709.	6.7	44
31	Tunable afterglow luminescence and triple-mode emissions of thermally activated carbon dots confined within nanoclays. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13640-13646.	5.5	44
32	Flexible and transparent films consisting of lanthanide complexes for ratiometric luminescence thermometry. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 11-17.	9.4	43
33	Thermally Stable White Emitting Eu <sup>3+</sup> Complex@Nanozeolite@Luminescent Glass Composite with High CRI for Organic-Resin-Free Warm White LEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 7272-7281.	8.0	42
34	Reversible Phase Transition of Robust Luminescent Hybrid Hydrogels. <i>Angewandte Chemie</i> , 2018, 130, 2216-2220.	2.0	42
35	Highly Stretchable and Fast Self-Healing Luminescent Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 13239-13247.	8.0	42
36	A Redâ€“Emitting Luminescent Material Capable of Detecting Low Water Content in Organic Solvents. <i>Chemistry - A European Journal</i> , 2016, 22, 12400-12405.	3.3	41

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37	Construction and Photoluminescence of Monophase Hybrid Materials Derived from a Urea-Based Bis-Silylated Bipyridine. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 519-523.	2.0	40
38	Photovoltaic efficiency enhancement of polycrystalline silicon solar cells by a highly stable luminescent film. <i>Science China Materials</i> , 2020, 63, 544-551.	6.3	39
39	Insight into the Luminescence Behavior of Europium(III) $\beta$ -diketonate Complexes Encapsulated in Zeolite L Crystals. <i>ChemPlusChem</i> , 2013, 78, 438-442.	2.8	37
40	Amine vapor responsive lanthanide complex entrapment: control of the ligand-to-metal and metal-to-metal energy transfer. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2165-2169.	5.5	37
41	Color-Tunable Aqueous Room-Temperature Phosphorescence Supramolecular Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 14407-14416.	8.0	37
42	Ln <sup>3+</sup> -mediated formation of luminescent ionogels. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1607.	5.5	36
43	Mechanical Behaviors of Highly Swollen Supramolecular Hydrogels Mediated by Pseudorotaxanes. <i>Macromolecules</i> , 2017, 50, 1141-1146.	4.8	36
44	Colorimetric sensor arrays for amines based on responsive lanthanide complex entrapment. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6805-6811.	5.5	35
45	A Ratiometric Luminescent Thermometer Co-doped with Lanthanide and Transition Metals. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2720-2724.	3.3	30
46	Luminescence modulation via cation- $\pi$ interaction in a lanthanide assembly: implications for potassium detection. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1944-1950.	5.5	30
47	White-emitting phosphors with high color-rendering index based on silver cluster-loaded zeolites and their application to near-UV LED-based white LEDs. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1080-1084.	5.9	30
48	Highly luminescent Eu <sup>3+</sup> -exchanged zeolite L crystals resulting from modification with silylated $\beta$ -diketone. <i>Journal of Materials Chemistry</i> , 2012, 22, 9338.	6.7	29
49	Conjugated Polythiophene for Rapid, Simple, and High-Throughput Screening of Antimicrobial Photosensitizers. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 14569-14572.	8.0	29
50	Fabrication of oriented zeolite L monolayers employing luminescent perylene diimide-bridged silsesquioxane precursor as the covalent linker. <i>Chemical Communications</i> , 2007, , 2853.	4.1	28
51	Preparation and luminescence of transparent zeolite L-polymer hybrid materials. <i>Journal of Materials Chemistry</i> , 2012, 22, 4056.	6.7	28
52	Phenol Distribution Behavior in Aqueous Biphasic Systems Composed of Ionic Liquids-Carbohydrate-Water. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 1910-1914.	1.9	28
53	Large-area flexible, transparent, and highly luminescent films containing lanthanide (III) complex-doped ionic liquids for efficiency enhancement of silicon-based heterojunction solar cell. <i>Progress in Photovoltaics: Research and Applications</i> , 2017, 25, 1015-1021.	8.1	27
54	Transparent and luminescent ionogels based on lanthanide-containing ionic liquids and poly(methyl) Tj ETQqO O O rgBT /Overlock 10 Tf 5	8.6	26

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55	A SnO <sub>x</sub> Quantum Dots Embedded Carbon Nanocage Network with Ultrahigh Li Storage Capacity. <i>ACS Nano</i> , 2021, 15, 7021-7031.	14.6	26
56	Multi-colored luminescent light-harvesting hybrids based on aminoclay and lanthanide complexes. <i>RSC Advances</i> , 2015, 5, 11570-11576.	3.6	25
57	Luminescent Triazine-Containing Bridged Polysilsesquioxanes Activated by Lanthanide Ions. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4781-4785.	2.0	24
58	Rectangular-plate like organosilica microcrystals based on silylated $\beta$ -diketone and lanthanide ions. <i>CrystEngComm</i> , 2011, 13, 177-181.	2.6	24
59	Luminescent Materials of Europium(III) Coordinated by a Terpyridine-Functionalized Poly(Ionic Liquid). <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 469-474.	2.0	23
60	A Robust Mixed-Lanthanide PolyMOF Membrane for Ratiometric Temperature Sensing. <i>Angewandte Chemie</i> , 2020, 132, 21936-21941.	2.0	23
61	Thermally Reversible, Flexible, Transparent, and Luminescent Ionic Organosilica Gels. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2342-2349.	2.0	21
62	Synthesis and luminescence of octacarboxy cubic polyhedral oligosilsesquioxanes coordinated with terbium. <i>CrystEngComm</i> , 2016, 18, 177-182.	2.6	21
63	Efficient visible and near-infrared photoluminescence from lanthanide and bismuth functionalized zeolite L. <i>Journal of Materials Chemistry</i> , 2011, 21, 13576.	6.7	20
64	Photoluminescence properties of Eu <sup>3+</sup> -exchanged zeolite L crystals annealed at 700 Å°C. <i>CrystEngComm</i> , 2012, 14, 4767.	2.6	17
65	A novel ionic liquid-metal complex electrolyte for a remarkable increase in the efficiency of dye-sensitized solar cells. <i>Chemical Communications</i> , 2013, 49, 6980.	4.1	15
66	Visual multiple color emission of solid-state carbon dots. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7806-7811.	5.5	15
67	Highly Luminescent and Stable Organic-Inorganic Hybrid Films for Transparent Luminescent Solar Concentrators. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 5951-5958.	8.0	15
68	Luminescence resonance energy transfer in hybrid materials based on terbium complex, rhodamine B and nanoclay. <i>New Journal of Chemistry</i> , 2019, 43, 8439-8443.	2.8	13
69	A magnetofluorescent boron-doped carbon dots as a metal-free bimodal probe. <i>Talanta</i> , 2019, 200, 9-14.	5.5	13
70	Smart luminescent hydrogel with superior mechanical performance based on polymer networks embedded with lanthanide containing clay nanocomposites. <i>Nanoscale</i> , 2021, 13, 11380-11386.	5.6	13
71	Deep-Blue Delayed Fluorescence Supramolecular Assembly with Ultrahigh Quantum Yields of 81% from an Extraordinary Source of $^1\text{E}_g \rightarrow ^1\text{E}_g^*$ Transition. <i>Advanced Optical Materials</i> , 2022, 10, 2101622.	7.3	12
72	Proton-Activated Amorphous Room-Temperature Phosphorescence for Humidity Sensing and High-Level Data Encryption. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1088-1093.	3.3	10

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73	A Durable Gel Polymer Electrolyte with Excellent Cycling and Rate Performance for Enhanced Lithium Storage. <i>ACS Applied Energy Materials</i> , 2020, 3, 4906-4913.	5.1	10
74	Tunable luminescence of silver-exchanged SOD zeolite thermally treated under mild conditions. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1666-1671.	5.5	10
75	Lanthanide(III)-Based Multicolor Luminescent Hybrid Gel for Amine Sensing. <i>Chemistry - an Asian Journal</i> , 2017, 12, 768-774.	3.3	9
76	Ultrastretchable Luminescent Nanocomposite Hydrogel with Self-Healing Behavior. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2329-2336.	4.4	9
77	A sustainable route from kelp to a porous MnO/C network anode for high-capacity lithium-ion batteries. <i>Journal of Materials Science</i> , 2020, 55, 10740-10750.	3.7	7
78	Adhesion enhancement via the synergistic effect of metal-ligand coordination and supramolecular host-guest interactions in luminescent hydrogels. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1482-1488.	6.0	7
79	Zn <sub>2</sub> GeO <sub>4</sub> :Mn <sup>2+</sup> , Yb <sup>3+</sup> Based Near-Infrared Down-Conversion Nanophosphors: Size-Tunable Synthesis and Fabrication of Flexible, Transparent and Luminescent Thin Film. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4744-4749.	2.0	6
80	Mechanofluorochromic carbon dots under grinding stimulation. <i>Nanoscale</i> , 2020, 12, 16433-16437.	5.6	6
81	Spontaneously Self-Regenerative Hybrid Luminescent Hydrogel. <i>ACS Applied Polymer Materials</i> , 2021, 3, 604-609.	4.4	6
82	Luminescent hybrid composites based on the intercalation of Eu(III) complexes into $\beta$ -zirconium phosphate nanoplatelets: preparation, characterization and amine sensing. <i>New Journal of Chemistry</i> , 2017, 41, 14103-14108.	2.8	4
83	Classifying the polarity of organic solvent mixtures by using Hostalene Red adsorbed on nanosized zeolite as a fluorescent probe. <i>Mikrochimica Acta</i> , 2017, 184, 4663-4669.	5.0	4
84	Co-cross-linked lanthanide-containing nanocomposite luminescent hydrogels. <i>New Journal of Chemistry</i> , 2021, 45, 5252-5257.	2.8	4
85	The construction of color-tunable lanthanide coordination polymer mediated by C <sub>3</sub> -symmetrical organic ligand. <i>Colloid and Polymer Science</i> , 2018, 296, 53-58.	2.1	3
86	Ammonia-Responsive Luminescence of Ln <sup>3+</sup> - $\beta$ -diketonate Complex Encapsulated within Zeolite Y. <i>Molecules</i> , 2019, 24, 685.	3.8	3
87	NaV <sub>2</sub> O <sub>5</sub> crystals of a right-angle-shaped nanostructure assembly. <i>CrystEngComm</i> , 2014, 16, 11013-11017.	2.6	2
88	Organic-Inorganic Hybrid Luminescent Hydrogel Glued by a Cationic Polymeric Binder. <i>Macromolecular Rapid Communications</i> , 2021, , 2100562.	3.9	1
89	Time- and Excitation Wavelength-Dependent Afterglow Supramolecular Assembly for Multi-Modal Anti-Counterfeiting Application. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0