

# Bao-Yi Ren

## List of Publications by Year in descending order

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29  
papers

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citations

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all docs

29  
docs citations

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times ranked

835  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-cost and stable SFX-based semiconductor materials in organic optoelectronics. , 2023, 2, 100-109.		2
2	Finely tuning electronic and steric structures of spiro[fluorene-9,9'-xanthene] (SFX)-based emitters by isomerization strategy towards efficient electroluminescence. Dyes and Pigments, 2022, 198, 110035.	3.7	2
3	Tuning stimulated emission properties of oligofluorene-based gain media via non-conjugation strategy. Dyes and Pigments, 2021, 186, 109037.	3.7	4
4	Research Progress of Hole Transport Materials Based on Spiro Aromatic-Skeleton in Perovskite Solar Cells. Acta Chimica Sinica, 2021, 79, 1181.	1.4	5
5	Highly Efficient and Selective Adsorption of Cationic Dyes in Aqueous Media on Microporous Hyper Crosslinked Polymer with Abundant and Evenly Dispersed Sulfonic Groups. ChemistrySelect, 2020, 5, 6541-6548.	1.5	9
6	Study on Corrosion Resistance of Zn-Al Alloy Coated with Zeolitic Imidazolate Framework-67 Film in 3.5wt.% NaCl Solution. Journal of Materials Engineering and Performance, 2020, 29, 1043-1050.	2.5	7
7	Conjugated Regulation of Phosphorescent Iridium (III) Complex Constructed from Spiro Ligand and Its Electroluminescent Performances. Acta Chimica Sinica, 2020, 78, 56.	1.4	12
8	Bay-annulated indigo derivatives based on a core of spiro[fluorene-9,9'-xanthene]: Synthesis, photophysical, and electrochemical properties. Dyes and Pigments, 2019, 160, 25-27.	3.7	8
9	Synthesis and Properties of a Bay-Annulated-Indigo Tetramer Based on Low-Cost Spiro[Fluorene-9,9'-Xanthene] Core. Molecules, 2019, 24, 3623.	3.8	1
10	Hypervalent silicon-based, anionic porous organic polymers with solid microsphere or hollow nanotube morphologies and exceptional capacity for selective adsorption of cationic dyes. Journal of Materials Chemistry A, 2019, 7, 393-404.	10.3	61
11	Visible-Light-Promoted [5 + 1] Annulation Initiated by Electron-Donor-Acceptor Complexes: Synthesis of Perfluoroalkyl-Triazines. Organic Letters, 2019, 21, 3072-3076.	4.6	44
12	Stable Luminous Nanocomposites of Confined Mn <sup>2+</sup> -Doped Lead Halide Perovskite Nanocrystals in Mesoporous Silica Nanospheres as Orange Fluorophores. Inorganic Chemistry, 2019, 58, 3950-3958.	4.0	34
13	Novel low color poly(ester imides) with triphenylamine and carbazole substituents for electrochromic applications. Dyes and Pigments, 2019, 162, 232-242.	3.7	15
14	Catalyst-free photocyclization for the synthesis of spiro-fused aromatic organic semiconductor based on SFX. Tetrahedron, 2018, 74, 2063-2067.	1.9	6
15	Sphalerite Cu/ZnS Nanoparticles Derived from Cu/Zn-ZIF <sub>8</sub> for the Photocatalytic Degradation and Adsorption of Dyes. European Journal of Inorganic Chemistry, 2018, 2018, 1038-1046.	2.0	11
16	t-BuONa-mediated direct C-H halogenation of electron-deficient (hetero)arenes. Organic and Biomolecular Chemistry, 2018, 16, 886-890.	2.8	20
17	Excimer-based white electroluminescence from supramolecular bulk effects of dumbbell-shaped molecules via attractor-repulsor molecular design. Organic Electronics, 2017, 43, 87-95.	2.6	21
18	A Yellow-Emitting Homoleptic Iridium(III) Complex Constructed from a Multifunctional Spiro Ligand for Highly Efficient Phosphorescent Organic Light-Emitting Diodes. Inorganic Chemistry, 2017, 56, 8397-8407.	4.0	23

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19	A robust molecular unit nanogrid servicing as network nodes via molecular installing technology. <i>Materials Chemistry Frontiers</i> , 2017, 1, 455-459.	5.9	19
20	Spiro[fluorene-9,9'-xanthene]-based hole transporting materials for efficient perovskite solar cells with enhanced stability. <i>Materials Chemistry Frontiers</i> , 2017, 1, 100-110.	5.9	84
21	Novel mononuclear Pt <sup>2+</sup> and Pd <sup>2+</sup> complexes containing (2,3-f)pyrazino(1,10)phenanthroline-2,3-dicarboxylic acid as a multi-donor ligand. Synthesis, structure, interaction with DNA, in vitro cytotoxicity, and apoptosis. <i>Journal of Inorganic Biochemistry</i> , 2016, 164, 129-140.	3.5	11
22	Structure and Magnetocaloric Effect of Two Kinds of Ln-Mn Heterometallic Coordination Polymers Produced by Fractional Crystallization. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3969-3977.	2.0	15
23	The synergistic effect of cobalt on a Pd/Co catalyzed Suzuki-Miyaura cross-coupling in water. <i>Dalton Transactions</i> , 2016, 45, 18455-18458.	3.3	27
24	Quinoyl functionalized spiro[fluorene-9,9'-xanthene] host materials with bipolar characteristics for green and red phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2016, 36, 140-147.	2.6	17
25	Bis(imidazole) coordination polymers controlled by oxalate as an auxiliary ligand. <i>Journal of Coordination Chemistry</i> , 2015, 68, 1199-1212.	2.2	13
26	A family of 3D lanthanide-organic frameworks constructed from parallelogram secondary building units: synthesis, structures and properties. <i>CrystEngComm</i> , 2014, 16, 1777.	2.6	14
27	Substituent effect of fulleropyrrolidine acceptors on bilayer organic solar cells. <i>Synthetic Metals</i> , 2014, 187, 118-122.	3.9	3
28	Synthesis of hollow La <sub>2</sub> O <sub>3</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> /Tm <sup>3+</sup> microspheres with tunable up-conversion luminescence properties. <i>RSC Advances</i> , 2013, 3, 8407.	3.6	16
29	Preparation of High Cross-linked TiO <sub>2</sub> -SiO <sub>2</sub> Composite Material via Sol-gel Process. , 2011, , .		0