

# Huili

## List of Publications by Year in descending order

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papers

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citations

257450

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254184

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44  
times ranked

2457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational Molecular Design for Achieving Persistent and Efficient Pure Organic Room-Temperature Phosphorescence. <i>Chem</i> , 2016, 1, 592-602.	11.7	610
2	Efficient and Long-Lived Room-Temperature Organic Phosphorescence: Theoretical Descriptors for Molecular Designs. <i>Journal of the American Chemical Society</i> , 2019, 141, 1010-1015.	13.7	389
3	Excitation Wavelength Dependent Fluorescence of an ESIPT Triazole Derivative for Amine Sensing and Anti-Counterfeiting Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8773-8778.	13.8	168
4	Theory of Long-Lived Room-Temperature Phosphorescence in Organic Aggregates. <i>Accounts of Chemical Research</i> , 2021, 54, 940-949.	15.6	150
5	Circularly Polarized Organic Room Temperature Phosphorescence from Amorphous Copolymers. <i>Journal of the American Chemical Society</i> , 2021, 143, 18527-18535.	13.7	132
6	Highly Efficient Ultralong Organic Phosphorescence through Intramolecular-Space Heavy-Atom Effect. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 595-600.	4.6	130
7	Electrostatic Interaction-Induced Room-Temperature Phosphorescence in Pure Organic Molecules from QM/MM Calculations. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2893-2898.	4.6	126
8	Multicolor Ultralong Organic Phosphorescence through Alkyl Engineering for 4D Coding Applications. <i>Chemistry of Materials</i> , 2019, 31, 5584-5591.	6.7	122
9	Ultralong Organic Phosphorescent Foams with High Mechanical Strength. <i>Journal of the American Chemical Society</i> , 2021, 143, 16256-16263.	13.7	84
10	Hydrogen Bonding-Induced Morphology Dependence of Long-Lived Organic Room-Temperature Phosphorescence: A Computational Study. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6948-6954.	4.6	76
11	A Highly Efficient Red Metal-free Organic Phosphor for Time-Resolved Luminescence Imaging and Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 18103-18110.	8.0	74
12	Organic Room-Temperature Phosphorescent Materials: From Static to Dynamic. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6191-6200.	4.6	71
13	Spectroscopic Signature of the Aggregation-Induced Emission Phenomena Caused by Restricted Nonradiative Decay: A Theoretical Proposal. <i>Journal of Physical Chemistry C</i> , 2015, 119, 5040-5047.	3.1	70
14	Supramolecular Structure-Dependent Thermally-Activated Delayed Fluorescence (TADF) Properties of Organic Polymorphs. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19759-19767.	3.1	60
15	Ultralong Organic Phosphorescent Nanocrystals with Long-Lived Triplet Excited States for Afterglow Imaging and Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 18385-18394.	8.0	57
16	Time-Dependent Approach to Resonance Raman Spectra Including Duschinsky Rotation and Herzberg-Teller Effects: Formalism and Its Realistic Applications. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 4474-4482.	5.3	54
17	Influence of Cl Incorporation in Perovskite Precursor on the Crystal Growth and Storage Stability of Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 6022-6030.	8.0	48
18	Emission-Tunable Soft Porous Organic Crystal Based on Squaraine for Single-Crystal Analysis of Guest-Induced Gate-Opening Transformation. <i>Journal of the American Chemical Society</i> , 2021, 143, 3856-3864.	13.7	43

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19	Solution-Processed Highly Efficient Bluish-Green Thermally Activated Delayed Fluorescence Emitter Bearing an Asymmetric Oxadiazole-Difluoroboron Double Acceptor. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 24339-24348.	8.0	38
20	Excitation Wavelength Dependent Fluorescence of an ESIPT Triazole Derivative for Amine Sensing and Anti-Counterfeiting Applications. <i>Angewandte Chemie</i> , 2019, 131, 8865-8870.	2.0	36
21	Room-Temperature Phosphorescence from Metal-Free Organic Materials in Solution: Origin and Molecular Design. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1037-1042.	4.6	34
22	Polymorphism-Dependent Dynamic Ultralong Organic Phosphorescence. <i>Research</i> , 2020, 2020, 8183450.	5.7	33
23	Triplet Excited-State Engineering of Phosphorescent Pt(II) Complexes. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5105-5110.	4.6	27
24	Purely Organic Room-Temperature Phosphorescence Endowing Fast Intersystem Crossing from Through-Space Spin-Orbit Coupling. <i>Jacs Au</i> , 2021, 1, 1694-1699.	7.9	27
25	Vibronic Coupling Effect on the Vibrationally Resolved Electronic Spectra and Intersystem Crossing Rates of a TADF Emitter: 7-PhQAD. <i>Journal of Physical Chemistry A</i> , 2022, 126, 239-248.	2.5	25
26	Generalized time-dependent approaches to vibrationally resolved electronic and Raman spectra: Theory and applications. <i>International Journal of Quantum Chemistry</i> , 2015, 115, 550-563.	2.0	24
27	Blue-Phosphorescent Pt(II) Complexes of Tetradentate Pyridyl-Carbolinyl Ligands: Synthesis, Structure, Photophysics, and Electroluminescence. <i>Inorganic Chemistry</i> , 2020, 59, 14493-14500.	4.0	23
28	Assessment of mode-mixing and Herzberg-Teller effects on two-photon absorption and resonance hyper-Raman spectra from a time-dependent approach. <i>Journal of Chemical Physics</i> , 2014, 140, 094107.	3.0	20
29	Spectral Characteristics of Chemical Enhancement on SERS of Benzene-like Derivatives: Franck-Condon and Herzberg-Teller Contributions. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27609-27619.	3.1	18
30	Analytical derivative techniques for TDDFT excited-state properties: Theory and application. <i>Science China Chemistry</i> , 2014, 57, 48-57.	8.2	16
31	Controllable room temperature phosphorescence, mechanoluminescence and polymorphism of a carbazole derivative. <i>Materials Horizons</i> , 2021, 8, 2816-2822.	12.2	13
32	A Permanent Porous Hydrogen-Bonded Framework with Room-Temperature Phosphorescence. <i>Crystal Growth and Design</i> , 2021, 21, 3420-3427.	3.0	13
33	Ultrapure Blue Phosphorescent Organic Light-Emitting Diodes Employing a Twisted Pt(II) Complex. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 52833-52839.	8.0	13
34	Plasmon Resonance of Isolated Gold Hollow Nanoparticles and Nanoparticle Pairs: Insights from Electronic Structure Calculations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1755-1763.	3.1	11
35	Molecular conformation dependence of phosphorescence lifetime in organic aggregates. <i>Dyes and Pigments</i> , 2021, 193, 109520.	3.7	11
36	Tunable microstructures of ultralong organic phosphorescence materials. <i>Chemical Communications</i> , 2021, 57, 7276-7279.	4.1	10

#	ARTICLE	IF	CITATIONS
37	Endowing nitro-compounds with bright and stimuli-responsive luminescence based on propeller-like AIEgens. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12177-12183.	5.5	8
38	Molecular design strategy for orange-red thermally activated delayed fluorescence emitters via intramolecular energy transfer and their application in solution processable organic light-emitting diodes. <i>Chemical Engineering Journal</i> , 2022, 428, 131691.	12.7	7
39	Overcoming energy loss of thermally activated delayed fluorescence sensitized-OLEDs by developing a fluorescent dopant with a small singlet-triplet energy splitting. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1681-1689.	5.5	7
40	Color-tuning Pt(II) complexes for natural-light electrophosphorescence. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1365-1370.	5.5	6
41	Modulating the plasmon-mediated silver oxidation using thiophenol molecules as monitored by <i>in situ</i> SERS spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26385-26391.	2.8	5
42	Two-Photon Absorption Properties of Chromophores of a Few Fluorescent Proteins: a Theoretical Investigation. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2016, 32, 301-312.	4.9	1
43	A $\pi$ -orbital model to study substituent effects in organic room-temperature phosphorescent materials. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9319-9325.	5.5	1