

Zikai He

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2367445/publications.pdf>

Version: 2024-02-01

47
papers

5,437
citations

172457

29
h-index

214800

47
g-index

49
all docs

49
docs citations

49
times ranked

4950
citing authors

#	ARTICLE	IF	CITATIONS
1	A Simple Approach to Achieve Organic Radicals with Unusual Solid-State Emission and Persistent Stability. <i>CCS Chemistry</i> , 2022, 4, 1912-1920.	7.8	20
2	Strong Circularly Polarized Room-Temperature Phosphorescence from a Feasibly Separable Scaffold of Bidibenzo[b,d]furan with Locked Axial Chirality. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	27
3	Multiple yet switchable hydrogen-bonded organic frameworks with white-light emission. <i>Nature Communications</i> , 2022, 13, 1882.	12.8	61
4	Frontispiz: Strong Circularly Polarized Room-Temperature Phosphorescence from a Feasibly Separable Scaffold of Bidibenzo[b,d]furan with Locked Axial Chirality. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	2
5	Turning On Solid-State Luminescence by Phototriggered Subtle Molecular Conformation Variations. <i>Advanced Materials</i> , 2021, 33, e2006844.	21.0	67
6	Controllable room temperature phosphorescence, mechanoluminescence and polymorphism of a carbazole derivative. <i>Materials Horizons</i> , 2021, 8, 2816-2822.	12.2	13
7	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
8	Recognition mechanism of molecularly imprinted polymers by aggregation-induced emission. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13574-13581.	5.5	10
9	Room-temperature phosphorescence from organic aggregates. <i>Nature Reviews Materials</i> , 2020, 5, 869-885.	48.7	786
10	Control of polymorphism in solution-processed organic thin film transistors by self-assembled monolayers. <i>Science China Chemistry</i> , 2020, 63, 1221-1229.	8.2	11
11	Highly emissive phenylene-expanded [5]radialene. <i>Chemical Communications</i> , 2020, 56, 3911-3914.	4.1	11
12	Two Are Better Than One: A Design Principle for Ultralong-Persistent Luminescence of Pure Organics. <i>Advanced Materials</i> , 2020, 32, e2001026.	21.0	164
13	Tailoring the Molecular Properties with Isomerism Effect of AIEgens. <i>Advanced Functional Materials</i> , 2019, 29, 1903834.	14.9	31
14	Multiple Anti-Counterfeiting Guarantees from a Simple Tetraphenylethylene Derivative with High-Contrasted and Multi-State Mechanochromism and Photochromism. <i>Angewandte Chemie</i> , 2019, 131, 17978-17983.	2.0	54
15	Multiple Anti-Counterfeiting Guarantees from a Simple Tetraphenylethylene Derivative with High-Contrasted and Multi-State Mechanochromism and Photochromism. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17814-17819.	13.8	229
16	Facile emission color tuning and circularly polarized light generation of single luminogen in engineering robust forms. <i>Materials Horizons</i> , 2019, 6, 405-411.	12.2	41
17	Spiro-Functionalized Diphenylethenes: Suppression of a Reversible Photocyclization Contributes to the Aggregation-Induced Emission Effect. <i>Journal of the American Chemical Society</i> , 2019, 141, 9803-9807.	13.7	65
18	Synthesis of poly(1,5-diaminonaphthalene) microparticles with abundant amino and imino groups as strong adsorbers for heavy metal ions. <i>Mikrochimica Acta</i> , 2019, 186, 208.	5.0	12

#	ARTICLE	IF	CITATIONS
19	Boosting the efficiency of organic persistent room-temperature phosphorescence by intramolecular triplet-triplet energy transfer. <i>Nature Communications</i> , 2019, 10, 1595.	12.8	194
20	Journey of Aggregation-Induced Emission Research. <i>ACS Omega</i> , 2018, 3, 3267-3277.	3.5	234
21	Highly sensitive switching of solid-state luminescence by controlling intersystem crossing. <i>Nature Communications</i> , 2018, 9, 3044.	12.8	203
22	Designing Efficient and Ultralong Pure Organic Room-Temperature Phosphorescent Materials by Structural Isomerism. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7997-8001.	13.8	224
23	Designing Efficient and Ultralong Pure Organic Room-Temperature Phosphorescent Materials by Structural Isomerism. <i>Angewandte Chemie</i> , 2018, 130, 8129-8133.	2.0	72
24	Polyne bridged AIE luminogens with red emission: design, synthesis, properties and applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1650-1657.	5.8	50
25	AIEgen-based theranostic system: targeted imaging of cancer cells and adjuvant amplification of antitumor efficacy of paclitaxel. <i>Chemical Science</i> , 2017, 8, 2191-2198.	7.4	101
26	Why Do Simple Molecules with Isolated Phenyl Rings Emit Visible Light?. <i>Journal of the American Chemical Society</i> , 2017, 139, 16264-16272.	13.7	201
27	A red-emissive antibody-AIEgen conjugate for turn-on and wash-free imaging of specific cancer cells. <i>Chemical Science</i> , 2017, 8, 7014-7024.	7.4	79
28	Development of benzylidene-methyloxazolone based AIEgens and decipherment of their working mechanism. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7191-7199.	5.5	33
29	AIEgens for dark through-bond energy transfer: design, synthesis, theoretical study and application in ratiometric Hg ²⁺ sensing. <i>Chemical Science</i> , 2017, 8, 2047-2055.	7.4	187
30	N-Phenylated N-Heteroacenes: Synthesis, Structures, and Properties. <i>ChemPlusChem</i> , 2017, 82, 1034-1038.	2.8	12
31	White light emission from a single organic molecule with dual phosphorescence at room temperature. <i>Nature Communications</i> , 2017, 8, 416.	12.8	621
32	Rational Molecular Design for Achieving Persistent and Efficient Pure Organic Room-Temperature Phosphorescence. <i>Chem</i> , 2016, 1, 592-602.	11.7	610
33	New Mechanistic Insights into the AIE Phenomenon. <i>ACS Symposium Series</i> , 2016, , 5-20.	0.5	3
34	An Aggregation-Induced Emission-Active Macrocyclic Illusory Topology of the Penrose Stairs. <i>ChemPlusChem</i> , 2015, 80, 1245-1249.	2.8	13
35	A Luminescent Nitrogen-Containing Polycyclic Aromatic Hydrocarbon Synthesized by Photocyclodehydrogenation with Unprecedented Regioselectivity. <i>Chemistry - A European Journal</i> , 2015, 21, 17973-17980.	3.3	17
36	Aggregation-Induced Emission-Active Macrocyclic Illusory Topology Exhibiting Analogous Triply and Singly Twisted Möbius Topologies. <i>Chemistry - A European Journal</i> , 2015, 21, 11707-11711.	3.3	20

#	ARTICLE	IF	CITATIONS
37	Aggregation-induced emission and aggregation-promoted photochromism of bis(diphenylmethylene)dihydroacenes. <i>Chemical Science</i> , 2015, 6, 3538-3543.	7.4	86
38	Polymorphism-Dependent and Switchable Emission of Butterfly-Like Bis(diarylmethylene)dihydroanthracenes. <i>Chemistry of Materials</i> , 2015, 27, 6601-6607.	6.7	144
39	Regio- and stereoselective construction of stimuli-responsive macromolecules by a sequential coupling-hydroamination polymerization route. <i>Polymer Chemistry</i> , 2015, 6, 8297-8305.	3.9	27
40	Self-Assembled Monolayers of Cyclohexyl-Terminated Phosphonic Acids as a General Dielectric Surface for High-Performance Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2014, 26, 7190-7196.	21.0	95
41	A Ratiometric Fluorescent Probe Based on ESIPT and AIE Processes for Alkaline Phosphatase Activity Assay and Visualization in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17245-17254.	8.0	281
42	Conjugated macrocycles of phenanthrene: a new segment of [6,6]-carbon nanotube and solution-processed organic semiconductors. <i>Chemical Science</i> , 2013, 4, 4525.	7.4	48
43	Self-Assembled Monolayers of Phosphonic Acids with Enhanced Surface Energy for High-Performance Solution-Processed N-Channel Organic Thin-Film Transistors. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6222-6227.	13.8	89
44	Highly Electron-Deficient Hexaazapentacenes and Their Dihydro Precursors. <i>Organic Letters</i> , 2012, 14, 4190-4193.	4.6	60
45	Induced crystallization of rubrene with diazapentacene as the template. <i>Journal of Materials Chemistry</i> , 2012, 22, 4396.	6.7	19
46	Hydrogen-Bonded Dihydropentazapentacenes. <i>Organic Letters</i> , 2012, 14, 1050-1053.	4.6	64
47	Strong Circularly Polarized Room-temperature Phosphorescence from a Feasibly Separable Scaffold of Bidibenzo[b,d]furan with Locked Axial Chirality. <i>Angewandte Chemie</i> , 0, , .	2.0	2