

Jibo Zhang

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56
papers

4,748
citations

35
h-index

58
g-index

58
ext. papers

5,550
ext. citations

10
avg, IF

5.54
L-index

#	Paper	IF	Citations
56	Piezochromic luminescence based on the molecular aggregation of 9,10-bis((E)-2-(pyrid-2-yl)vinyl)anthracene. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10782-5	16.4	679
55	High-Performance Pseudocapacitive Microsupercapacitors from Laser-Induced Graphene. <i>Advanced Materials</i> , 2016 , 28, 838-45	24	335
54	Single-Atomic Ruthenium Catalytic Sites on Nitrogen-Doped Graphene for Oxygen Reduction Reaction in Acidic Medium. <i>ACS Nano</i> , 2017 , 11, 6930-6941	16.7	327
53	Laser-Induced Graphene Formation on Wood. <i>Advanced Materials</i> , 2017 , 29, 1702211	24	243
52	Remarkable Turn-On and Color-Tuned Piezochromic Luminescence: Mechanically Switching Intramolecular Charge Transfer in Molecular Crystals. <i>Advanced Functional Materials</i> , 2015 , 25, 4005-4010	15.6	240
51	Organic polymorphs: one-compound-based crystals with molecular-conformation- and packing-dependent luminescent properties. <i>Advanced Materials</i> , 2014 , 26, 6168-73	24	224
50	Multi-stimuli responsive fluorescence switching: the reversible piezochromism and protonation effect of a divinylanthracene derivative. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7554	7.1	175
49	Laser-Induced Graphene in Controlled Atmospheres: From Superhydrophilic to Superhydrophobic Surfaces. <i>Advanced Materials</i> , 2017 , 29, 1700496	24	163
48	Laser-induced graphene fibers. <i>Carbon</i> , 2018 , 126, 472-479	10.4	163
47	Sulfur-Doped Laser-Induced Porous Graphene Derived from Polysulfone-Class Polymers and Membranes. <i>ACS Nano</i> , 2018 , 12, 289-297	16.7	141
46	In Situ Formation of Metal Oxide Nanocrystals Embedded in Laser-Induced Graphene. <i>ACS Nano</i> , 2015 , 9, 9244-51	16.7	137
45	Three-Dimensional Printed Graphene Foams. <i>ACS Nano</i> , 2017 , 11, 6860-6867	16.7	133
44	Mechanochromism and Polymorphism-Dependent Emission of Tetrakis(4-(dimethylamino)phenyl)ethylene. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 24997-25003	3.8	127
43	Folic acid-functionalized mesoporous silica nanospheres hybridized with AIE luminogens for targeted cancer cell imaging. <i>Nanoscale</i> , 2013 , 5, 2065-72	7.7	125
42	An organic luminescent molecule: what will happen when the "butterflies" come together?. <i>Advanced Materials</i> , 2014 , 26, 739-45	24	123
41	Piezochromic Luminescence Based on the Molecular Aggregation of 9,10-Bis((E)-2-(pyrid-2-yl)vinyl)anthracene. <i>Angewandte Chemie</i> , 2012 , 124, 10940-10943	3.6	110
40	Remarkable fluorescence change based on the protonation-deprotonation control in organic crystals. <i>Chemical Communications</i> , 2013 , 49, 3878-80	5.8	95

39	Design and synthesis of solution processable small molecules towards high photovoltaic performance. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2159-2168		79
38	All-spin-coating vacuum-free processed semi-transparent inverted polymer solar cells with PEDOT:PSS anode and PAH-D interfacial layer. <i>Organic Electronics</i> , 2010 , 11, 1327-1331	3.5	73
37	Oligo(phenothiazine)s: Twisted Intramolecular Charge Transfer and Aggregation-Induced Emission. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 23117-23125	3.8	67
36	In Situ Synthesis of Efficient Water Oxidation Catalysts in Laser-Induced Graphene. <i>ACS Energy Letters</i> , 2018 , 3, 677-683	20.1	64
35	Oxidized Laser-Induced Graphene for Efficient Oxygen Electrocatalysis. <i>Advanced Materials</i> , 2018 , 30, e1707319	24	63
34	Efficient Water-Splitting Electrodes Based on Laser-Induced Graphene. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26840-26847	9.5	63
33	Laser-induced graphene synthesis of Co ₃ O ₄ in graphene for oxygen electrocatalysis and metal-air batteries. <i>Carbon</i> , 2018 , 139, 880-887	10.4	54
32	Folic acid-functionalized AIE Pdots based on amphiphilic PCL-b-PEG for targeted cell imaging. <i>Polymer Chemistry</i> , 2014 , 5, 3824-3830	4.9	48
31	Ultra bright red AIE dots for cytoplasm and nuclear imaging. <i>Polymer Chemistry</i> , 2014 , 5, 7013-7020	4.9	45
30	Aggregation induced enhanced emission of conjugated dendrimers with a large intrinsic two-photon absorption cross-section. <i>Polymer Chemistry</i> , 2014 , 5, 479-488	4.9	45
29	Efficiency enhancement of polymer solar cells by incorporating a self-assembled layer of silver nanodisks. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 3281-3286	6.4	44
28	Insights into the origin of aggregation enhanced emission of 9,10-distyrylanthracene derivatives. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1422-1429	7.8	41
27	Supramolecular interactions induced fluorescent organic nanowires with high quantum yield based on 9,10-distyrylanthracene. <i>CrystEngComm</i> , 2012 , 14, 6593	3.3	41
26	Three-Dimensional Rebar Graphene. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7376-7384	9.5	39
25	A high-energy quinone-based all-solid-state sodium metal battery. <i>Nano Energy</i> , 2019 , 62, 718-724	17.1	37
24	Label-free fluorescence turn-on detection of Pb ²⁺ based on AIE-active quaternary ammonium salt of 9,10-distyrylanthracene. <i>Analytical Methods</i> , 2013 , 5, 438-441	3.2	37
23	Theoretical investigation of electronic structure and charge transport property of 9,10-distyrylanthracene (DSA) derivatives with high solid-state luminescent efficiency. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 2449-58	3.6	36
22	Laser-Induced Graphene Hybrid Catalysts for Rechargeable Zn-Air Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1460-1468	6.1	36

21	Proton-Triggered Hypsochromic Luminescence in 1,1R(2,5-Distyryl-1,4-phenylene) Dipiperidine. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2781-4	6.4	35
20	A low band gap donor-acceptor copolymer containing fluorene and benzothiadiazole units: synthesis and photovoltaic properties. <i>New Journal of Chemistry</i> , 2011 , 35, 385-393	3.6	35
19	Molecular structure-property engineering for photovoltaic applications: Fluorene-acceptor alternating conjugated copolymers with varied bridged moieties. <i>Polymer</i> , 2010 , 51, 1786-1795	3.9	30
18	Direct Observation of the Symmetrical and Asymmetrical Protonation States in Molecular Crystals. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3068-3072	6.4	25
17	Low-Loss Optical Waveguide and Highly Polarized Emission in a Uniaxially Oriented Molecular Crystal Based on 9,10-Distyrylanthracene Derivatives. <i>ACS Photonics</i> , 2015 , 2, 313-318	6.3	24
16	Efficient Spontaneous and Stimulated Emission from 1,4-Bis(2,2-diphenylvinyl)benzene Single Crystals with Cross-Dipole Stacking. <i>Advanced Optical Materials</i> , 2015 , 3, 763-768	8.1	19
15	CO to Formic Acid Using Cu-Sn on Laser-Induced Graphene. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41223-41229	9.5	17
14	High-Energy All-Solid-State Organic-Lithium Batteries Based on Ceramic Electrolytes. <i>ACS Energy Letters</i> , 2021 , 6, 201-207	20.1	16
13	Li-Breathing Air Batteries Catalyzed by MnNiFe/Laser-Induced Graphene Catalysts. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901035	4.6	15
12	Directly deposited porous two-dimensional MoS ₂ films as electrocatalysts for hydrogen evolution reactions. <i>Materials Letters</i> , 2018 , 225, 65-68	3.3	14
11	Microstructure engineering of solid-state composite cathode via solvent-assisted processing. <i>Joule</i> , 2021 , 5, 1845-1859	27.8	12
10	Quasi-Solid-State LiO ₂ Batteries with Laser-Induced Graphene Cathode Catalysts. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1702-1709	6.1	11
9	Organic Fluorescent Molecule with High Solid State Luminescent Efficiency and Protonation Stimuli-response. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 1418-1422	4.9	10
8	Polymorphism-Dependent Enhanced Emission in Molecular Aggregates: J-Aggregate versus X-Aggregate. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 10504-10510	6.4	7
7	Molecular crystals based on 9,10-distyrylanthracene derivatives with high solid state fluorescence efficiency and uniaxial orientation induced by supramolecular interactions. <i>Science Bulletin</i> , 2013 , 58, 2747-2752		6
6	Tuning Metal Elements in Open Frameworks for Efficient Oxygen Evolution and Oxygen Reduction Reaction Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42715-42723	9.5	5
5	Oxadiazole containing poly(p-phenylenevinylene)s: synthesis and characterization. <i>New Journal of Chemistry</i> , 2012 , 36, 1626	3.6	4
4	Piezochromic Materials: Remarkable Turn-On and Color-Tuned Piezochromic Luminescence: Mechanically Switching Intramolecular Charge Transfer in Molecular Crystals (Adv. Funct. Mater. 26/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 4171-4171	15.6	3

- 3 Aggregation-Induced Emission of 9,10-Distyrylanthracene Derivatives and Their Applications **2013**, 61-82 3
- 2 A Cobalt Phosphine Complex in Five Oxidation States. *Inorganic Chemistry*, **2021**, 60, 17445-17449 5.1 2
- 1 Synthesis and photovoltaic properties of low band gap copolymers containing (bithiophenevinyl)-(2-pyran-4-ylidenemalononitrile) (TVM) moieties. *Polymer Journal*, **2013**, 45, 1072-1080²⁷ 1