

# Jibo Zhang

## List of Publications by Year in descending order

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57  
papers

6,206  
citations

87723

38  
h-index

149479

56  
g-index

58  
all docs

58  
docs citations

58  
times ranked

7177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezochromic Luminescence Based on the Molecular Aggregation of 9,10-bis((E)-2-(pyridin-2-yl)vinyl)anthracene. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10782-10785.	7.2	787
2	High-Performance Pseudocapacitive Microsupercapacitors from Laser-Induced Graphene. <i>Advanced Materials</i> , 2016, 28, 838-845.	11.1	439
3	Single-Atomic Ruthenium Catalytic Sites on Nitrogen-Doped Graphene for Oxygen Reduction Reaction in Acidic Medium. <i>ACS Nano</i> , 2017, 11, 6930-6941.	7.3	435
4	Laser-Induced Graphene Formation on Wood. <i>Advanced Materials</i> , 2017, 29, 1702211.	11.1	397
5	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.	7.8	308
6	Laser-induced graphene fibers. <i>Carbon</i> , 2018, 126, 472-479.	5.4	287
7	Organic Polymorphs: One-Compound-Based Crystals with Molecular-Conformation- and Packing-Dependent Luminescent Properties. <i>Advanced Materials</i> , 2014, 26, 6168-6173.	11.1	262
8	Laser-Induced Graphene in Controlled Atmospheres: From Superhydrophilic to Superhydrophobic Surfaces. <i>Advanced Materials</i> , 2017, 29, 1700496.	11.1	227
9	Sulfur-Doped Laser-Induced Porous Graphene Derived from Polysulfone-Class Polymers and Membranes. <i>ACS Nano</i> , 2018, 12, 289-297.	7.3	211
10	In Situ Formation of Metal Oxide Nanocrystals Embedded in Laser-Induced Graphene. <i>ACS Nano</i> , 2015, 9, 9244-9251.	7.3	198
11	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.	2.7	197
12	Three-Dimensional Printed Graphene Foams. <i>ACS Nano</i> , 2017, 11, 6860-6867.	7.3	172
13	An Organic Luminescent Molecule: What Will Happen When the "Butterflies" Come Together?. <i>Advanced Materials</i> , 2014, 26, 739-745.	11.1	142
14	Mechanochromism and Polymorphism-Dependent Emission of Tetrakis(4-(dimethylamino)phenyl)ethylene. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24997-25003.	1.5	140
15	Folic acid-functionalized mesoporous silica nanospheres hybridized with AIE luminogens for targeted cancer cell imaging. <i>Nanoscale</i> , 2013, 5, 2065.	2.8	133
16	Remarkable fluorescence change based on the protonation-deprotonation control in organic crystals. <i>Chemical Communications</i> , 2013, 49, 3878.	2.2	111
17	Efficient Water-Splitting Electrodes Based on Laser-Induced Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26840-26847.	4.0	103
18	Oxidized Laser-Induced Graphene for Efficient Oxygen Electrocatalysis. <i>Advanced Materials</i> , 2018, 30, e1707319.	11.1	94

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19	In Situ Synthesis of Efficient Water Oxidation Catalysts in Laser-Induced Graphene. ACS Energy Letters, 2018, 3, 677-683.	8.8	91
20	Laser-induced graphene synthesis of Co <sub>3</sub> O <sub>4</sub> in graphene for oxygen electrocatalysis and metal-air batteries. Carbon, 2018, 139, 880-887.	5.4	91
21	Oligo(phenothiazine)s: Twisted Intramolecular Charge Transfer and Aggregation-Induced Emission. Journal of Physical Chemistry C, 2013, 117, 23117-23125.	1.5	86
22	Design and synthesis of solution processable small molecules towards high photovoltaic performance. Journal of Materials Chemistry, 2011, 21, 2159-2168.	6.7	81
23	All-spin-coating vacuum-free processed semi-transparent inverted polymer solar cells with PEDOT:PSS anode and PAH-D interfacial layer. Organic Electronics, 2010, 11, 1327-1331.	1.4	76
24	A high-energy quinone-based all-solid-state sodium metal battery. Nano Energy, 2019, 62, 718-724.	8.2	71
25	Folic acid-functionalized AIE Pdots based on amphiphilic PCL-b-PEG for targeted cell imaging. Polymer Chemistry, 2014, 5, 3824-3830.	1.9	56
26	Laser-Induced Graphene Hybrid Catalysts for Rechargeable Zn-Air Batteries. ACS Applied Energy Materials, 2019, 2, 1460-1468.	2.5	55
27	Aggregation induced enhanced emission of conjugated dendrimers with a large intrinsic two-photon absorption cross-section. Polymer Chemistry, 2014, 5, 479-488.	1.9	52
28	Ultra bright red AIE dots for cytoplasm and nuclear imaging. Polymer Chemistry, 2014, 5, 7013-7020.	1.9	50
29	CO <sub>2</sub> to Formic Acid Using Cu-Sn on Laser-Induced Graphene. ACS Applied Materials & Interfaces, 2020, 12, 41223-41229.	4.0	48
30	Insights into the origin of aggregation enhanced emission of 9,10-distyrylanthracene derivatives. Materials Chemistry Frontiers, 2017, 1, 1422-1429.	3.2	47
31	Three-Dimensional Rebar Graphene. ACS Applied Materials & Interfaces, 2017, 9, 7376-7384.	4.0	46
32	Efficiency enhancement of polymer solar cells by incorporating a self-assembled layer of silver nanodisks. Solar Energy Materials and Solar Cells, 2011, 95, 3281-3286.	3.0	45
33	Supramolecular interactions induced fluorescent organic nanowires with high quantum yield based on 9,10-distyrylanthracene. CrystEngComm, 2012, 14, 6593.	1.3	45
34	Label-free fluorescence turn-on detection of Pb <sup>2+</sup> based on AIE-active quaternary ammonium salt of 9,10-distyrylanthracene. Analytical Methods, 2013, 5, 438-441.	1.3	42
35	Microstructure engineering of solid-state composite cathode via solvent-assisted processing. Joule, 2021, 5, 1845-1859.	11.7	42
36	Theoretical investigation of electronic structure and charge transport property of 9,10-distyrylanthracene (DSA) derivatives with high solid-state luminescent efficiency. Physical Chemistry Chemical Physics, 2013, 15, 2449.	1.3	39

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37	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.	1.4	38
38	Proton-Triggered Hypsochromic Luminescence in 1,1'-[2,5-Distyryl-1,4-phenylene] Dipiperidine. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2781-2784.	2.1	38
39	High-Energy All-Solid-State Organic-Lithium Batteries Based on Ceramic Electrolytes. <i>ACS Energy Letters</i> , 2021, 6, 201-207.	8.8	37
40	Direct Observation of the Symmetrical and Asymmetrical Protonation States in Molecular Crystals. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3068-3072.	2.1	32
41	Molecular structure-property engineering for photovoltaic applications: Fluorene-acceptor alternating conjugated copolymers with varied bridged moieties. <i>Polymer</i> , 2010, 51, 1786-1795.	1.8	31
42	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.	3.2	29
43	Polymorphism-Dependent Enhanced Emission in Molecular Aggregates: J-Aggregate versus X-Aggregate. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10504-10510.	2.1	29
44	Li-Breathing Air Batteries Catalyzed by MnNiFe/Laser-Induced Graphene Catalysts. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901035.	1.9	26
45	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.	3.6	21
46	Quasi-Solid-State Li-O <sub>2</sub> Batteries with Laser-Induced Graphene Cathode Catalysts. <i>ACS Applied Energy Materials</i> , 2020, 3, 1702-1709.	2.5	18
47	Directly deposited porous two-dimensional MoS <sub>2</sub> films as electrocatalysts for hydrogen evolution reactions. <i>Materials Letters</i> , 2018, 225, 65-68.	1.3	17
48	Tuning Metal Elements in Open Frameworks for Efficient Oxygen Evolution and Oxygen Reduction Reaction Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 42715-42723.	4.0	17
49	Organic Fluorescent Molecule with High Solid State Luminescent Efficiency and Protonation Stimuli-Response. <i>Chinese Journal of Chemistry</i> , 2013, 31, 1418-1422.	2.6	10
50	A Cobalt Phosphine Complex in Five Oxidation States. <i>Inorganic Chemistry</i> , 2021, 60, 17445-17449.	1.9	8
51	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.	1.7	6
52	Oxadiazole containing poly(p-phenylenevinylene)s: synthesis and characterization. <i>New Journal of Chemistry</i> , 2012, 36, 1626.	1.4	5
53	Aggregation-Induced Emission of 9,10-Distyrylanthracene Derivatives and Their Applications. , 0, , 61-82.		4
54	Piezochromic Materials: Remarkable Turn-On and Color-Tuned Piezochromic Luminescence: Mechanically Switching Intramolecular Charge Transfer in Molecular Crystals ( <i>Adv. Funct. Mater.</i> )		4

#	ARTICLE	IF	CITATIONS
55	Synthesis and photovoltaic properties of low band gap copolymers containing (bithiophenevinyl)-(2-pyran-4-ylidenemalononitrile) (TVM) moieties. <i>Polymer Journal</i> , 2013, 45, 1072-1080.	1.3	2
56	CHAPTER 7. Mechanofluorochromic Mechanism. <i>RSC Smart Materials</i> , 2014, , 236-262.	0.1	2
57	Benchmarks of the density functional tight-binding method for redox, protonation and electronic properties of quinones. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 6742-6756.	1.3	0