

Jiannian Yao

List of Publications by Year in descending order

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272
papers

13,396
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17405

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308
all docs

308
docs citations

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times ranked

15766
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable Fabrication of Nanoporous Carbon Fiber Films as Bifunctional Catalytic Electrodes for Flexible Zn-Air Batteries. <i>Advanced Materials</i> , 2016, 28, 3000-3006.	11.1	626
2	Low-Dimensional Nanomaterials Based on Small Organic Molecules: Preparation and Optoelectronic Properties. <i>Advanced Materials</i> , 2008, 20, 2859-2876.	11.1	384
3	Perovskite Microdisk Microlasers Self-Assembled from Solution. <i>Advanced Materials</i> , 2015, 27, 3405-3410.	11.1	352
4	Design of Diketopyrrolopyrrole (DPP)-Based Small Molecules for Organic Solar Cell Applications. <i>Advanced Materials</i> , 2017, 29, 1600013.	11.1	290
5	Organic Micro/Nanoscale Lasers. <i>Accounts of Chemical Research</i> , 2016, 49, 1691-1700.	7.6	285
6	Facile preparation of N- and O-doped hollow carbon spheres derived from poly(o-phenylenediamine) for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3409-3415.	5.2	245
7	Photochromic materials based on tungsten oxide. <i>Journal of Materials Chemistry</i> , 2007, 17, 4547.	6.7	230
8	Metal-Free Fluorine-Doped Carbon Electrocatalyst for CO ₂ Reduction Outcompeting Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9640-9644.	7.2	228
9	Ternary Blended Fullerene-Free Polymer Solar Cells with 16.5% Efficiency Enabled with a Higher-LUMO Level Acceptor to Improve Film Morphology. <i>Advanced Energy Materials</i> , 2019, 9, 1901728.	10.2	216
10	A nonfullerene acceptor with a 1000 nm absorption edge enables ternary organic solar cells with improved optical and morphological properties and efficiencies over 15%. <i>Energy and Environmental Science</i> , 2019, 12, 2529-2536.	15.6	213
11	Controlling the Cavity Structures of Two-Photon-Pumped Perovskite Microlasers. <i>Advanced Materials</i> , 2016, 28, 4040-4046.	11.1	207
12	2D Ruddlesden-Popper Perovskites Microring Laser Array. <i>Advanced Materials</i> , 2018, 30, e1706186.	11.1	190
13	Low-Threshold Wavelength-Switchable Organic Nanowire Lasers Based on Excited-State Intramolecular Proton Transfer. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7125-7129.	7.2	183
14	Organic printed photonics: From microring lasers to integrated circuits. <i>Science Advances</i> , 2015, 1, e1500257.	4.7	172
15	New advances in non-fullerene acceptor based organic solar cells. <i>RSC Advances</i> , 2015, 5, 93002-93026.	1.7	157
16	Full-color laser displays based on organic printed microlaser arrays. <i>Nature Communications</i> , 2019, 10, 870.	5.8	153
17	Perylene-Diimide Based Non-Fullerene Solar Cells with 4.34% Efficiency through Engineering Surface Donor/Acceptor Compositions. <i>Chemistry of Materials</i> , 2014, 26, 2907-2914.	3.2	150
18	Output Coupling of Perovskite Lasers from Embedded Nanoscale Plasmonic Waveguides. <i>Journal of the American Chemical Society</i> , 2016, 138, 2122-2125.	6.6	144

#	ARTICLE	IF	CITATIONS
19	Broadband Tunable Microlasers Based on Controlled Intramolecular Charge-Transfer Process in Organic Supramolecular Microcrystals. <i>Journal of the American Chemical Society</i> , 2016, 138, 1118-1121.	6.6	139
20	Two-State Reactivity in Low-Valent Iron-Mediated C-H Activation and the Implications for Other First-Row Transition Metals. <i>Journal of the American Chemical Society</i> , 2016, 138, 3715-3730.	6.6	136
21	Amplified Spontaneous Emission Based on 2D Ruddlesden-Popper Perovskites. <i>Advanced Functional Materials</i> , 2018, 28, 1707006.	7.8	129
22	A Two-Dimensional Hole-Transporting Material for High-Performance Perovskite Solar Cells with 20% Average Efficiency. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10959-10965.	7.2	127
23	Dual-color single-mode lasing in axially coupled organic nanowire resonators. <i>Science Advances</i> , 2017, 3, e1700225.	4.7	122
24	Enhancing multiphoton upconversion through interfacial energy transfer in multilayered nanoparticles. <i>Nature Communications</i> , 2020, 11, 1174.	5.8	118
25	Assessment of Theoretical Methods for Complexes of Gold(I) and Gold(III) with Unsaturated Aliphatic Hydrocarbon: Which Density Functional Should We Choose?. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 4002-4011.	2.3	113
26	Single Crystalline Submicrotubes from Small Organic Molecules. <i>Chemistry of Materials</i> , 2005, 17, 6430-6435.	3.2	110
27	3D Laser Displays Based on Circularly Polarized Lasing from Cholesteric Liquid Crystal Arrays. <i>Advanced Materials</i> , 2021, 33, e2104418.	11.1	109
28	Reversible Aqueous Zinc-CO ₂ Batteries Based on CO ₂ -HCOOH Interconversion. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16996-17001.	7.2	108
29	Phase- and Shape-Controlled Synthesis of Single Crystalline Perylene Nanosheets and Its Optical Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10038-10043.	1.5	107
30	Cobalt layered double hydroxide nanosheets synthesized in water-methanol solution as oxygen evolution electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5999-6006.	5.2	103
31	Capillary-Bridge Lithography for Patterning Organic Crystals toward Mode-Tunable Microlaser Arrays. <i>Advanced Materials</i> , 2017, 29, 1603652.	11.1	96
32	Flat-Panel Laser Displays Based on Liquid Crystal Microlaser Arrays. <i>CCS Chemistry</i> , 2020, 2, 369-375.	4.6	95
33	Silver Nanoparticles Stabilized by Thermoresponsive Microgel Particles: Synthesis and Evidence of an Electron Donor-Acceptor Effect. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2339-2345.	2.0	94
34	Chemical redox modulated fluorescence of nitrogen-doped graphene quantum dots for probing the activity of alkaline phosphatase. <i>Biosensors and Bioelectronics</i> , 2017, 94, 271-277.	5.3	94
35	In Situ Visualization of Assembly and Photonic Signal Processing in a Triplet Light-Harvesting Nanosystem. <i>Journal of the American Chemical Society</i> , 2018, 140, 4269-4278.	6.6	93
36	A Molecular Platform for Multistate Near-Infrared Electrochromism and Flip-Flop, Flip-Flip, and Ternary Memory. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9192-9197.	7.2	92

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37	Photoluminescent Anisotropy Amplification in Polymorphic Organic Nanocrystals by Light-Harvesting Energy Transfer. <i>Journal of the American Chemical Society</i> , 2019, 141, 6157-6161.	6.6	92
38	Electronic coupling in cyclometalated ruthenium complexes. <i>Coordination Chemistry Reviews</i> , 2016, 312, 22-40.	9.5	89
39	Self-Assembled Microdisk Lasers of Perylene Diimides. <i>Journal of the American Chemical Society</i> , 2015, 137, 15105-15111.	6.6	88
40	Rechargeable Zn-CO ₂ Electrochemical Cells Mimicking Two-Step Photosynthesis. <i>Advanced Materials</i> , 2019, 31, e1807807.	11.1	87
41	Room-Temperature Phosphorescence in Pure Organic Materials: Halogen Bonding Switching Effects. <i>Chemistry - A European Journal</i> , 2018, 24, 1801-1805.	1.7	86
42	Chemically responsive luminescent switching in transparent flexible self-supporting [EuW ₁₀ O ₃₆] ⁹⁻ -agarose nanocomposite thin films. <i>Journal of Materials Chemistry</i> , 2010, 20, 271-277.	6.7	85
43	Three-State Near-Infrared Electrochromism at the Molecular Scale. <i>Journal of the American Chemical Society</i> , 2015, 137, 4058-4061.	6.6	85
44	Green chemical decoration of multiwalled carbon nanotubes with polyoxometalate-encapsulated gold nanoparticles: visible light photocatalytic activities. <i>Journal of Materials Chemistry</i> , 2011, 21, 2282-2287.	6.7	82
45	Facile synthesis of a Ag nanoparticle/polyoxometalate/carbon nanotube tri-component hybrid and its activity in the electrocatalysis of oxygen reduction. <i>Journal of Materials Chemistry</i> , 2011, 21, 14917.	6.7	78
46	Why Is Cobalt the Best Transition Metal in Transition-Metal Porphyrins for O-O Bond Formation during Water Oxidation?. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2315-2319.	2.1	78
47	Impact of Intermolecular Distance on Singlet Fission in a Series of TIPS Pentacene Compounds. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3451-3455.	2.1	77
48	Photonic applications of one-dimensional organic single-crystalline nanostructures: optical waveguides and optically pumped lasers. <i>Journal of Materials Chemistry</i> , 2012, 22, 4136-4140.	6.7	76
49	Electropolymerized films as a molecular platform for volatile memory devices with two near-infrared outputs and long retention time. <i>Chemical Science</i> , 2014, 5, 932-941.	3.7	75
50	A general green strategy for fabricating metal nanoparticles/polyoxometalate/graphene tri-component nanohybrids: enhanced electrocatalytic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 3319.	6.7	73
51	Accessing the Triplet State in Heavy-Atom-Free Perylene Diimides. <i>Chemistry - A European Journal</i> , 2016, 22, 4717-4722.	1.7	72
52	A Two-Dimensional Ruddlesden-Popper Perovskite Nanowire Laser Array based on Ultrafast Light-Harvesting Quantum Wells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7748-7752.	7.2	72
53	Atomic iridium@cobalt nanosheets for dinuclear tandem water oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8376-8383.	5.2	72
54	2,4,5-Triphenylimidazole Nanowires with Fluorescence Narrowing Spectra Prepared through the Adsorbent-Assisted Physical Vapor Deposition Method. <i>Chemistry of Materials</i> , 2006, 18, 2302-2306.	3.2	71

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55	Significant improvement of photovoltaic performance by embedding thiophene in solution-processed star-shaped TPA-DPP backbone. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5747.	5.2	69
56	Tunable Near-Infrared Organic Nanowire Nanolasers. <i>Advanced Functional Materials</i> , 2017, 27, 1703470.	7.8	69
57	Metal-Free Fluorine-Doped Carbon Electrocatalyst for CO ₂ Reduction Outcompeting Hydrogen Evolution. <i>Angewandte Chemie</i> , 2018, 130, 9788-9792.	1.6	69
58	Lattice-Matched Epitaxial Growth of Organic Heterostructures for Integrated Optoelectronic Application. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3616-3620.	7.2	68
59	Fused-Ring Nonfullerene Acceptor Forming Interpenetrating Architecture for Fullerene-Free Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1800204.	10.2	68
60	Highly Efficient Room-Temperature Phosphorescence from Halogen-Bonding-Assisted Doped Organic Crystals. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8652-8658.	1.1	67
61	Benzodithiophene bridged dimeric perylene diimide amphiphiles as efficient solution-processed non-fullerene small molecules. <i>Polymer Chemistry</i> , 2013, 4, 4631.	1.9	66
62	Multishelled Co ₃ O ₄ -Fe ₃ O ₄ hollow spheres with even magnetic phase distribution: Synthesis, magnetic properties and their application in water treatment. <i>Journal of Materials Chemistry</i> , 2011, 21, 17680.	6.7	65
63	Self-assembly of CdS quantum dots with polyoxometalate encapsulated gold nanoparticles: enhanced photocatalytic activities. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1488-1494.	5.2	64
64	Tuning of resistive memory switching in electropolymerized metallopolymeric films. <i>Chemical Science</i> , 2015, 6, 1308-1315.	3.7	64
65	Design and Fabrication of Rocketlike Tetrapodal CdS Nanorods by Seed-Epitaxial Metal-Organic Chemical Vapor Deposition. <i>Crystal Growth and Design</i> , 2007, 7, 488-491.	1.4	63
66	Dual-Wavelength Switchable Vibronic Lasing in Single-Crystal Organic Microdisks. <i>Nano Letters</i> , 2017, 17, 91-96.	4.5	63
67	Two-Dimensional Pyramid-like WS ₂ Layered Structures for Highly Efficient Edge Second-Harmonic Generation. <i>ACS Nano</i> , 2018, 12, 689-696.	7.3	63
68	An Optically Reconfigurable Förster Resonance Energy Transfer Process for Broadband Switchable Organic Single-Mode Microlasers. <i>CCS Chemistry</i> , 2022, 4, 250-258.	4.6	63
69	Lanthanide MOFs for inducing molecular chirality of achiral stilbazolium with strong circularly polarized luminescence and efficient energy transfer for color tuning. <i>Chemical Science</i> , 2020, 11, 9154-9161.	3.7	62
70	Ir(ppy) ₃ phosphorescent microrods and nanowires: promising micro-phosphors. <i>Journal of Materials Chemistry</i> , 2009, 19, 89-96.	6.7	61
71	A facile synthesis and lithium storage properties of Co ₃ O ₄ -C hybrid core-shell and hollow spheres. <i>Journal of Materials Chemistry</i> , 2011, 21, 17998.	6.7	60
72	How Accurate Can a Local Coupled Cluster Approach Be in Computing the Activation Energies of Late-Transition-Metal-Catalyzed Reactions with Au, Pt, and Ir?. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 3119-3127.	2.3	60

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73	Origin of Effects of Additive Solvent on Film-Morphology in Solution-Processed Nonfullerene Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6462-6471.	4.0	58
74	Understanding the Effects of Bidentate Directing Groups: A Unified Rationale for sp ² and sp ³ C-H Bond Activations. <i>Journal of Organic Chemistry</i> , 2015, 80, 4672-4682.	1.7	58
75	Asymmetric photon transport in organic semiconductor nanowires through electrically controlled exciton diffusion. <i>Science Advances</i> , 2018, 4, eaap9861.	4.7	56
76	Organic Janus Microspheres: A General Approach to All-Color Dual-Wavelength Microlasers. <i>Journal of the American Chemical Society</i> , 2019, 141, 5116-5120.	6.6	55
77	Morphology-tunable In ₂ Se ₃ nanostructures with enhanced electrical and photoelectrical performances via sulfur doping. <i>Journal of Materials Chemistry</i> , 2010, 20, 6630.	6.7	54
78	Engineering Platinum-Oxygen Dual Catalytic Sites via Charge Transfer towards Highly Efficient Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17712-17718.	7.2	53
79	Full-Color and White Circularly Polarized Luminescence of Hydrogen-Bonded Ionic Organic Microcrystals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14595-14600.	7.2	51
80	Organic composite nanomaterials: energy transfers and tunable luminescent behaviors. <i>New Journal of Chemistry</i> , 2011, 35, 973.	1.4	50
81	Excimer Emission in Self-Assembled Organic Spherical Microstructures: An Effective Approach to Wavelength Switchable Microlasers. <i>Advanced Optical Materials</i> , 2016, 4, 1009-1014.	3.6	50
82	Molecular Interaction between a Gadolinium-Polyoxometalate and Human Serum Albumin. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 5189-5193.	1.0	49
83	Synthesis and applications of organic nanorods, nanowires and nanotubes. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2013, 109, 211.	4.4	49
84	Self-Assembly of Peryleneimide Nanobelts and Their Size-Tunable Exciton Dynamic Properties. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2163-2167.	2.1	48
85	Room temperature exciton-polariton Bose-Einstein condensation in organic single-crystal microribbon cavities. <i>Nature Communications</i> , 2021, 12, 3265.	5.8	48
86	Transparent and flexible phosphomolybdate-agarose composite thin films with visible-light photochromism. <i>Journal of Materials Chemistry</i> , 2010, 20, 1107-1111.	6.7	47
87	Stimulated Emission-Controlled Photonic Transistor on a Single Organic Triblock Nanowire. <i>Journal of the American Chemical Society</i> , 2018, 140, 13147-13150.	6.6	47
88	Perferryl Fe ^V -Oxo Nonheme Complexes: Do They Have High-Spin or Low-Spin Ground States?. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 3049-3053.	2.3	46
89	High photocatalytic activity of carbon doped TiO ₂ prepared by fast combustion of organic capping ligands. <i>RSC Advances</i> , 2015, 5, 93635-93643.	1.7	46
90	All-Color Subwavelength Output of Organic Flexible Microlasers. <i>Journal of the American Chemical Society</i> , 2017, 139, 11329-11332.	6.6	46

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91	Single-molecule level control of host-guest interactions in metallocycle-C60 complexes. <i>Nature Communications</i> , 2019, 10, 4599.	5.8	44
92	Regulating Charge Transfer of Lattice Oxygen in Single-Atom-Doped Titania for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15855-15859.	7.2	44
93	Are DFT Methods Accurate in Mononuclear Ruthenium-Catalyzed Water Oxidation? An ab Initio Assessment. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 1872-1879.	2.3	43
94	Low-Threshold Wavelength-Switchable Organic Nanowire Lasers Based on Excited-State Intramolecular Proton Transfer. <i>Angewandte Chemie</i> , 2015, 127, 7231-7235.	1.6	42
95	Comparative Study of Effects of Terminal Non-Alkyl Aromatic and Alkyl Groups on Small-Molecule Solar Cell Performance. <i>Advanced Energy Materials</i> , 2015, 5, 1500059.	10.2	42
96	Guest-dependent directional complexation based on triptycene derived oxacalixarene: formation of oriented rotaxanes. <i>Chemical Science</i> , 2016, 7, 469-474.	3.7	42
97	Proton-Controlled Organic Microlaser Switch. <i>ACS Nano</i> , 2018, 12, 5734-5740.	7.3	42
98	Photonic skins based on flexible organic microlaser arrays. <i>Science Advances</i> , 2021, 7, .	4.7	42
99	Effect of PVA on the growth and the optical properties of perylene nanocrystals. <i>New Journal of Chemistry</i> , 2001, 25, 1362-1364.	1.4	41
100	Effects of structure-manipulated molecular stacking on solid-state optical properties and device performances. <i>Polymer Chemistry</i> , 2012, 3, 2832.	1.9	41
101	Tailoring the structures and compositions of one-dimensional organic nanomaterials towards chemical sensing applications. <i>Chemical Science</i> , 2014, 5, 52-57.	3.7	41
102	Tuneable red, green, and blue single-mode lasing in heterogeneously coupled organic spherical microcavities. <i>Light: Science and Applications</i> , 2020, 9, 151.	7.7	41
103	Rapid room-temperature synthesis of silver nanoplates with tunable in-plane surface plasmon resonance from visible to near-IR. <i>Journal of Materials Chemistry</i> , 2008, 18, 2673.	6.7	40
104	Which Density Functional Is the Best in Computing C-H Activation Energies by Pincer Complexes of Late Platinum Group Metals?. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 2991-2996.	2.3	40
105	Construction of Nanowire Heterojunctions: Photonic Function-Oriented Nanoarchitectonics. <i>Advanced Materials</i> , 2016, 28, 1319-1326.	11.1	40
106	Complex assembly from planar and twisted π -conjugated molecules towards alloy helices and core-shell structures. <i>Nature Communications</i> , 2018, 9, 4358.	5.8	40
107	Electrospinning fabrication of flexible, foldable, and twistable Sb ₂ S ₃ /TiO ₂ /C nanofiber anode for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2021, 413, 127400.	6.6	40
108	Excitation-Wavelength-Dependent Organic Long-Persistent Luminescence Originating from Excited-State Long-Range Proton Transfer. <i>Journal of the American Chemical Society</i> , 2022, 144, 12652-12660.	6.6	40

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109	Cooperatively Tuning Phase Size and Absorption of Near IR Photons in P3HT:Perylene Diimide Solar Cells by Bay-Modifications on the Acceptor. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24212-24220.	1.5	39
110	Synthesis and Cathodoluminescence of Morphology-Tunable SiO ₂ Nanotubes and ZnS/SiO ₂ Core-Shell Structures Using CdSe Nanocrystals as the Seeds. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11604-11611.	1.5	38
111	Controlled synthesis of double-shelled CeO ₂ hollow spheres and enzyme-free electrochemical bio-sensing properties for uric acid. <i>Journal of Materials Chemistry</i> , 2012, 22, 17079.	6.7	38
112	Tuning the organic microcrystal laser wavelength of ESIPT-active compounds <i>via</i> controlling the excited enol* and keto* emissions. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12235-12240.	2.7	38
113	High-Performance Solution-Processed Single-Junction Polymer Solar Cell Achievable by Post-Treatment of PEDOT:PSS Layer with Water-Containing Methanol. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1446-1452.	4.0	37
114	Thermal-Responsive Phosphorescent Nanoamplifiers Assembled from Two Metallophosphors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7820-7825.	7.2	37
115	Exciton funneling in light-harvesting organic semiconductor microcrystals for wavelength-tunable lasers. <i>Science Advances</i> , 2019, 5, eaaw2953.	4.7	37
116	A High-Performance Non-Fullerene Acceptor Compatible with Polymers with Different Bandgaps for Efficient Organic Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1800376.	3.1	37
117	Factors That Control the Reactivity of Cobalt(III)-Nitrosyl Complexes in Nitric Oxide Transfer and Dioxygenation Reactions: A Combined Experimental and Theoretical Investigation. <i>Journal of the American Chemical Society</i> , 2016, 138, 7753-7762.	6.6	36
118	Combined Experimental and Computational Study of Pyren-2,7-diyl-Bridged Diruthenium Complexes with Various Terminal Ligands. <i>Inorganic Chemistry</i> , 2015, 54, 4688-4698.	1.9	35
119	Promoted phase transition of titania nanoparticles prepared by a photo-assisted sol-gel method. <i>New Journal of Chemistry</i> , 2002, 26, 975-977.	1.4	34
120	An Organic Microlaser Array Based on a Lateral Microcavity of a Single J-aggregation Microbelt. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7037-7041.	7.2	34
121	Geometry-Programmable Perovskite Microlaser Patterns for Two-Dimensional Optical Encryption. <i>Nano Letters</i> , 2021, 21, 6792-6799.	4.5	34
122	High-Efficiency Nonfullerene Polymer Solar Cell Enabling by Integration of Film-Morphology Optimization, Donor Selection, and Interfacial Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15415-15421.	4.0	33
123	Basic amino acid induced isomerization of a spiropyran: towards visual recognition of basic amino acids in water. <i>New Journal of Chemistry</i> , 2007, 31, 1878.	1.4	32
124	Smart responsive organic microlasers with multiple emission states for high-security optical encryption. <i>National Science Review</i> , 2021, 8, nwaal62.	4.6	32
125	Water-Resistant Perovskite Polygonal Microdisks Laser in Flexible Photonics Devices. <i>Advanced Optical Materials</i> , 2016, 4, 1718-1725.	3.6	31
126	Acid-promoted bicyclization of arylacetylenes to benzobicyclo[3.2.1]octanes through cationic rearrangements. <i>Chemical Communications</i> , 2016, 52, 4537-4540.	2.2	31

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127	An integrated instrument of DLUV-IR photoionization mass spectrometry and spectroscopy for neutral clusters. <i>Review of Scientific Instruments</i> , 2019, 90, 073101.	0.6	31
128	A Photoisomerization-Activated Intramolecular Charge-Transfer Process for Broadband-Tunable Single-Mode Microlasers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15992-15996.	7.2	31
129	An application of AAO template: orderly assembled organic molecules for surface-enhanced Raman scattering. <i>Journal of Materials Chemistry</i> , 2008, 18, 133-138.	6.7	30
130	In-depth understanding of photocurrent enhancement in solution-processed small-molecule:perylene diimide non-fullerene organic solar cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 1961-1968.	0.8	30
131	Benzoindolic squaraine dyes with a large two-photon absorption cross-section. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1224-1230.	2.7	30
132	Randomly Induced Phase Transformation in Silk Protein-Based Microlaser Arrays for Anticounterfeiting. <i>Advanced Materials</i> , 2021, 33, e2102586.	11.1	29
133	Thermally Activated Lasing in Organic Microcrystals toward Laser Displays. <i>Journal of the American Chemical Society</i> , 2021, 143, 20249-20255.	6.6	29
134	Wide band gap copolymers based on phthalimide: synthesis, characterization, and photovoltaic properties with 3.70% efficiency. <i>Polymer Chemistry</i> , 2013, 4, 2174.	1.9	28
135	A new solution-processed diketopyrrolopyrrole donor for non-fullerene small-molecule solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1869-1876.	5.2	28
136	Successive Cu/Pd transmetalation relay catalysis in stereoselective synthesis of tetraarylethenes. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1366-1373.	2.3	28
137	Synthesis and photovoltaic properties of low bandgap dimeric perylene diimide based non-fullerene acceptors. <i>Science China Chemistry</i> , 2016, 59, 209-217.	4.2	28
138	High-efficiency quaternary polymer solar cells enabled with binary fullerene additives to reduce nonfullerene acceptor optical band gap and improve carriers transport. <i>Science China Chemistry</i> , 2018, 61, 1609-1618.	4.2	28
139	Porous hydrogen-bonded organic-inorganic frameworks: weak interactions and selective dye filtration. <i>CrystEngComm</i> , 2017, 19, 613-617.	1.3	27
140	Singlet Fission in a <i>para</i> -Azaquinodimethane-Based Quinoidal Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2020, 142, 17892-17896.	6.6	26
141	A Two-Dimensional Hole-Transporting Material for High-Performance Perovskite Solar Cells with 20% Average Efficiency. <i>Angewandte Chemie</i> , 2018, 130, 11125-11131.	1.6	25
142	Superkinetic Growth of Oval Organic Semiconductor Microcrystals for Chaotic Lasing. <i>Advanced Materials</i> , 2021, 33, e2100484.	11.1	25
143	Synthesis and characterization of new layered polyoxometallates-1,10-decanediamine intercalative nanocomposites. <i>Journal of Materials Research</i> , 2004, 19, 496-500.	1.2	24
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