Yong Sheng Zhao

List of Publications by Year
in descending order

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247 papers	12,918 citations	20797 60 h-index	32815 100 g-index
255 all docs	255 docs citations	255 times ranked	10915 citing authors

#	Article	IF	Citations
1	Construction and Optoelectronic Properties of Organic One-Dimensional Nanostructures. Accounts of Chemical Research, 2010, 43, 409-418.	7.6	398
2	Lowâ€Dimensional Nanomaterials Based on Small Organic Molecules: Preparation and Optoelectronic Properties. Advanced Materials, 2008, 20, 2859-2876.	11.1	384
3	Organic Micro/Nanoscale Lasers. Accounts of Chemical Research, 2016, 49, 1691-1700.	7.6	285
4	Nanowire Waveguides and Ultraviolet Lasers Based on Small Organic Molecules. Advanced Materials, 2008, 20, 1661-1665.	11.1	271
5	Lanthanide Metalâ€“Organic Framework Microrods: Colored Optical Waveguides and Chiral Polarized Emission. Angewandte Chemie - International Edition, 2017, 56, 7853-7857.	7.2	270
6	Materials chemistry and engineering in metal halide perovskite lasers. Chemical Society Reviews, 2020, 49, 951-982.	18.7	263
7	Frontiers in circularly polarized luminescence: molecular design, self-assembly, nanomaterials, and applications. Science China Chemistry, 2021, 64, 2060-2104.	4.2	248
8	Optical Waveguide Based on Crystalline Organic Microtubes and Microrods. Angewandte Chemie - International Edition, 2008, 47, 7301-7305.	7.2	223
9	Two-Photon Pumped Lasing in Single-Crystal Organic Nanowire Exciton Polariton Resonators. Journal of the American Chemical Society, 2011, 133, 7276-7279.	6.6	221
10	Polymorphismâ€Dependent Emission for Di(pâ€methoxylphenyl)dibenzofulvene and Analogues: Optical Waveguide/Amplified Spontaneous Emission Behaviors. Advanced Functional Materials, 2012, 22, 4862-4872.	7.8	220
11	Controlling the Cavity Structures of Twoâ€Photonâ€Pumped Perovskite Microlasers. Advanced Materials, 2016, 28, 4040-4046.	11.1	207
12	A tetraphenylethene-substituted pyridinium salt with multiple functionalities: synthesis, stimuli-responsive emission, optical waveguide and specific mitochondrion imaging. Journal of Materials Chemistry C, 2013, 1, 4640.	2.7	193
13	Self-Assembly Solid-State Enhanced Red Emission of Quinolinemalononitrile: Optical Waveguides and Stimuli Response. ACS Applied Materials & Interfaces, 2013, 5, 192-198.	4.0	183
14	Lowâ€Threshold Wavelengthâ€Switchable Organic Nanowire Lasers Based on Excitedâ€State Intramolecular Proton Transfer. Angewandte Chemie - International Edition, 2015, 54, 7125-7129.	7.2	183
15	Controlling the Structures and Photonic Properties of Organic Nanomaterials by Molecular Design. Angewandte Chemie - International Edition, 2013, 52, 8713-8717.	7.2	180
16	Organic printed photonics: From microring lasers to integrated circuits. Science Advances, 2015, 1, e1500257.	4.7	172
17	Optical waveguides at micro/nanoscale based on functional small organic molecules. Physical Chemistry Chemical Physics, 2011, 13, 9060.	1.3	156
18	Vertical Organic Nanowire Arrays: Controlled Synthesis and Chemical Sensors. Journal of the American Chemical Society, 2009, 131, 3158-3159.	6.6	155

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19	Full-color laser displays based on organic printed microlaser arrays. Nature Communications, 2019, 10, 870.	5.8	153
20	Output Coupling of Perovskite Lasers from Embedded Nanoscale Plasmonic Waveguides. Journal of the American Chemical Society, 2016, 138, 2122-2125.	6.6	144
21	A Single Crystal with Multiple Functions of Optical Waveguide, Aggregation-Induced Emission, and Mechanochromism. ACS Applied Materials & Interfaces, 2017, 9, 8910-8918.	4.0	144
22	Toxicity of ionic liquids: Database and prediction via quantitative structureâ€“activity relationship method. Journal of Hazardous Materials, 2014, 278, 320-329.	6.5	142
23	Broadband Tunable Microlasers Based on Controlled Intramolecular Charge-Transfer Process in Organic Supramolecular Microcrystals. Journal of the American Chemical Society, 2016, 138, 1118-1121.	6.6	139
24	Patterned Growth of Vertically Aligned Organic Nanowire Waveguide Arrays. ACS Nano, 2010, 4, 1630-1636.	7.3	138
25	Inorganic nanoparticle-based T1 and T1/T2 magnetic resonance contrast probes. Nanoscale, 2012, 4, 6235.	2.8	138
26	Enhanced proton and electron reservoir abilities of polyoxometalate grafted on graphene for high-performance hydrogen evolution. Energy and Environmental Science, 2016, 9, 1012-1023.	15.6	138
27	Wire-on-Wire Growth of Fluorescent Organic Heterojunctions. Journal of the American Chemical Society, 2012, 134, 2880-2883.	6.6	133
28	From Molecular Design and Materials Construction to Organic Nanophotonic Devices. Accounts of Chemical Research, 2014, 47, 3448-3458.	7.6	131
29	Organic nanophotonics: from controllable assembly of functional molecules to low-dimensional materials with desired photonic properties. Chemical Society Reviews, 2014, 43, 4325-4340.	18.7	127
30	Circularly Polarized Luminescence from Achiral Single Crystals of Hybrid Manganese Halides. Journal of the American Chemical Society, 2019, 141, 15755-15760.	6.6	124
31	Dual-color single-mode lasing in axially coupled organic nanowire resonators. Science Advances, 2017, 3, e1700225.	4.7	122
32	Directâ€Writing Multifunctional Perovskite Single Crystal Arrays by Inkjet Printing. Small, 2017, 13, 1603217.	5.2	117
33	Single Crystalline Submicrotubes from Small Organic Molecules. Chemistry of Materials, 2005, 17, 6430-6435.	3.2	110
34	3D Laser Displays Based on Circularly Polarized Lasing from Cholesteric Liquid Crystal Arrays. Advanced Materials, 2021, 33, e2104418.	11.1	109
35	Engineering Donorâ€“Acceptor Heterostructure Metalâ€“Organic Framework Crystals for Photonic Logic Computation. Angewandte Chemie - International Edition, 2019, 58, 13890-13896.	7.2	108
36	Controlled Self-Assembly of Organic Composite Microdisks for Efficient Output Coupling of Whispering-Gallery-Mode Lasers. Journal of the American Chemical Society, 2015, 137, 62-65.	6.6	103

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37	Wavelengthâ€Tunable Microlasers Based on the Encapsulation of Organic Dye in Metalâ€“Organic Frameworks. Advanced Materials, 2016, 28, 7424-7429.	11.1	103
38	A Cruciform Electron Donorâ€“Acceptor Semiconductor with Solidâ€State Red Emission: 1D/2D Optical Waveguides and Highly Sensitive/Selective Detection of H₂S Gas. Advanced Functional Materials, 2014, 24, 4250-4258.	7.8	96
39	Flat-Panel Laser Displays Based on Liquid Crystal Microlaser Arrays. CCS Chemistry, 2020, 2, 369-375.	4.6	95
40	Heteroepitaxial Growth of Multiblock Lnâ€MOF Microrods for Photonic Barcodes. Angewandte Chemie - International Edition, 2019, 58, 13803-13807.	7.2	94
41	In Situ Visualization of Assembly and Photonic Signal Processing in a Triplet Light-Harvesting Nanosystem. Journal of the American Chemical Society, 2018, 140, 4269-4278.	6.6	93
42	Photoluminescent Anisotropy Amplification in Polymorphic Organic Nanocrystals by Light-Harvesting Energy Transfer. Journal of the American Chemical Society, 2019, 141, 6157-6161.	6.6	92
43	Coaxial Organic pâ€n Heterojunction Nanowire Arrays: Oneâ€Step Synthesis and Photoelectric Properties. Advanced Materials, 2012, 24, 2332-2336.	11.1	88
44	Twisted intramolecular charge transfer, aggregation-induced emission, supramolecular self-assembly and the optical waveguide of barbituric acid-functionalized tetraphenylethene. Journal of Materials Chemistry C, 2014, 2, 1801.	2.7	87
45	Hydrogen Peroxide Vapor Sensing with Organic Core/Sheath Nanowire Optical Waveguides. Advanced Materials, 2012, 24, OP194-9, OP186.	11.1	81
46	Recent Advances in Organic Oneâ€Dimensional Composite Materials: Design, Construction, and Photonic Elements for Information Processing. Advanced Materials, 2013, 25, 3627-3638.	11.1	77
47	Orientationâ€Controlled 2D Anisotropic and Isotropic Photon Transport in Coâ€crystal Polymorph Microplates. Angewandte Chemie - International Edition, 2020, 59, 4456-4463.	7.2	77
48	Photonic applications of one-dimensional organic single-crystalline nanostructures: optical waveguides and optically pumped lasers. Journal of Materials Chemistry, 2012, 22, 4136-4140.	6.7	76
49	Ionic liquids for absorption and separation of gases: An extensive database and a systematic screening method. AICHE Journal, 2017, 63, 1353-1367.	1.8	76
50	Selfâ€Modulated White Light Outcoupling in Doped Organic Nanowire Waveguides via the Fluctuations of Singlet and Triplet Excitons During Propagation. Advanced Materials, 2011, 23, 1380-1384.	11.1	74
51	2,4,5-Triphenylimidazole Nanowires with Fluorescence Narrowing Spectra Prepared through the Adsorbent-Assisted Physical Vapor Deposition Method. Chemistry of Materials, 2006, 18, 2302-2306.	3.2	71
52	Spatially Responsive Multicolor Lanthanideâ€MOF Heterostructures for Covert Photonic Barcodes. Angewandte Chemie - International Edition, 2020, 59, 19060-19064.	7.2	71
53	Oneâ€Dimensional Organic Photonic Heterostructures: Rational Construction and Spatial Engineering of Excitonic Emission. Advanced Materials, 2012, 24, 1703-1708.	11.1	68
54	Highly Solidâ€State Emissive Pyridiniumâ€Substituted Tetraphenylethylene Salts: Emission Colorâ€Tuning with Counter Anions and Application for Optical Waveguides. Small, 2015, 11, 1335-1344.	5.2	68

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55	Switchable Single-Mode Perovskite Microlasers Modulated by Responsive Organic Microdisks. Nano Letters, 2018, 18, 1241-1245.	4.5	67
56	Wettabilityâ€Guided Screen Printing of Perovskite Microlaser Arrays for Currentâ€Driven Displays. Advanced Materials, 2020, 32, e2001999.	11.1	66
57	Controllable Growth of Highâ€Quality Inorganic Perovskite Microplate Arrays for Functional Optoelectronics. Advanced Materials, 2020, 32, e1908006.	11.1	66
58	Manipulation of Light Flows in Organic Colorâ€Graded Microstructures towards Integrated Photonic Heterojunction Devices. Advanced Materials, 2013, 25, 2854-2859.	11.1	65
59	Optical Modulation Based on Direct Photonâ€Plasmon Coupling in Organic/Metal Nanowire Heterojunctions. Advanced Materials, 2012, 24, 5681-5686.	11.1	64
60	1,6- and 2,7-trans-Î²-Styryl Substituted Pyrenes Exhibiting Both Emissive and Semiconducting Properties in the Solid State. Chemistry of Materials, 2017, 29, 3580-3588.	3.2	63
61	Dual-Wavelength Switchable Vibronic Lasing in Single-Crystal Organic Microdisks. Nano Letters, 2017, 17, 91-96.	4.5	63
62	Two-Dimensional Pyramid-like WS₂ Layered Structures for Highly Efficient Edge Second-Harmonic Generation. ACS Nano, 2018, 12, 689-696.	7.3	63
63	An Optically Reconfigurable FÃ¶rster Resonance Energy Transfer Process for Broadband Switchable Organic Single-Mode Microlasers. CCS Chemistry, 2022, 4, 250-258.	4.6	63
64	Switch from Intra- to Intermolecular H-Bonds by Ultrasound: Induced Gelation and Distinct Nanoscale Morphologies. Langmuir, 2008, 24, 7635-7638.	1.6	62
65	Lanthanide MOFs for inducing molecular chirality of achiral stilbazolium with strong circularly polarized luminescence and efficient energy transfer for color tuning. Chemical Science, 2020, 11, 9154-9161.	3.7	62
66	Electrogenerated Chemiluminescence of Metalâ€“Organic Complex Nanowires: Reduced Graphene Oxide Enhancement and Biosensing Application. Advanced Materials, 2012, 24, 4745-4749.	11.1	61
67	Tetrahydro[5]helicene-based full-color emission dyes in both solution and solid states: synthesis, structures, photophysical properties and optical waveguide applications. Journal of Materials Chemistry C, 2014, 2, 8373-8380.	2.7	60
68	Controlled Synthesis of Organic Nanophotonic Materials with Specific Structures and Compositions. Advanced Materials, 2014, 26, 6852-6870.	11.1	57
69	Steric-Hindrance-Controlled Laser Switch Based on Pure Metalâ€“Organic Framework Microcrystals. Journal of the American Chemical Society, 2019, 141, 19959-19963.	6.6	57
70	Covert Photonic Barcodes Based on Light Controlled Acidichromism in Organic Dye Doped Whisperingâ€Galleryâ€Mode Microdisks. Advanced Materials, 2017, 29, 1701558.	11.1	56
71	Asymmetric photon transport in organic semiconductor nanowires through electrically controlled exciton diffusion. Science Advances, 2018, 4, eaap9861.	4.7	56
72	Tuning the Solid State Emission of the Carbazole and Cyanoâ€Substituted Tetraphenylethylene by Coâ€Crystallization with Solvents. Small, 2016, 12, 6554-6561.	5.2	55

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73	Organic Janus Microspheres: A General Approach to All-Color Dual-Wavelength Microlasers. Journal of the American Chemical Society, 2019, 141, 5116-5120.	6.6	55
74	Organic Microcrystal Vibronic Lasers with Fullâ€Spectrum Tunable Output beyond the Franckâ€“Condon Principle. Angewandte Chemie - International Edition, 2018, 57, 3108-3112.	7.2	52
75	Organic composite nanomaterials: energy transfers and tunable luminescent behaviors. New Journal of Chemistry, 2011, 35, 973.	1.4	50
76	Excimer Emission in Selfâ€Assembled Organic Spherical Microstructures: An Effective Approach to Wavelength Switchable Microlasers. Advanced Optical Materials, 2016, 4, 1009-1014.	3.6	50
77	Lanthanide Metalâ€“Organic Framework Microrods: Colored Optical Waveguides and Chiral Polarized Emission. Angewandte Chemie, 2017, 129, 7961-7965.	1.6	50
78	Starch-Based Biological Microlasers. ACS Nano, 2017, 11, 597-602.	7.3	50
79	Lightâ€Emitting Metalâ€“Organic Halide 1D and 2D Structures: Nearâ€Unity Quantum Efficiency, Lowâ€Loss Optical Waveguide and Highly Polarized Emission. Angewandte Chemie - International Edition, 2021, 60, 13548-13553.	7.2	50
80	Synthesis and applications of organic nanorods, nanowires and nanotubes. Annual Reports on the Progress of Chemistry Section C, 2013, 109, 211.	4.4	49
81	Room temperature excitonâ€“polariton Boseâ€“Einstein condensation in organic single-crystal microribbon cavities. Nature Communications, 2021, 12, 3265.	5.8	48
82	Selfâ€Assembled Organic Crystalline Microrings as Active Whisperingâ€Galleryâ€Mode Optical Resonators. Advanced Optical Materials, 2013, 1, 357-361.	3.6	47
83	Hexaphenylbenzeneâ€Based, Ïâ€Conjugated Snowflakeâ€Shaped Luminophores: Tunable Aggregationâ€Induced Emission Effect and Piezofluorochromism. Chemistry - A European Journal, 2015, 21, 8504-8510.	1.7	47
84	Stimulated Emission-Controlled Photonic Transistor on a Single Organic Triblock Nanowire. Journal of the American Chemical Society, 2018, 140, 13147-13150.	6.6	47
85	Organic coreâ€“shell nanostructures: microemulsion synthesis and upconverted emission. Chemical Communications, 2010, 46, 4959.	2.2	46
86	All-Color Subwavelength Output of Organic Flexible Microlasers. Journal of the American Chemical Society, 2017, 139, 11329-11332.	6.6	46
87	Solid-state fluorescent materials based on coumarin derivatives: polymorphism, stimuli-responsive emission, self-assembly and optical waveguides. Materials Chemistry Frontiers, 2018, 2, 910-916.	3.2	46
88	Experimentally Observed Reverse Intersystem Crossingâ€Boosted Lasing. Angewandte Chemie - International Edition, 2020, 59, 21677-21682.	7.2	46
89	Recent Advances in Microâ€/Nanostructured Metalâ€“Organic Frameworks towards Photonic and Electronic Applications. Chemistry - A European Journal, 2018, 24, 6484-6493.	1.7	45
90	Lowâ€Threshold Wavelengthâ€Switchable Organic Nanowire Lasers Based on Excitedâ€State Intramolecular Proton Transfer. Angewandte Chemie, 2015, 127, 7231-7235.	1.6	42

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91	Proton-Controlled Organic Microlaser Switch. ACS Nano, 2018, 12, 5734-5740.	7.3	42
92	Photonic skins based on flexible organic microlaser arrays. Science Advances, 2021, 7, .	4.7	42
93	Tailoring the structures and compositions of one-dimensional organic nanomaterials towards chemical sensing applications. Chemical Science, 2014, 5, 52-57.	3.7	41
94	Tuneable red, green, and blue single-mode lasing in heterogeneously coupled organic spherical microcavities. Light: Science and Applications, 2020, 9, 151.	7.7	41
95	Organic Printed Coreâ€“Shell Heterostructure Arrays: A Universal Approach to Allâ€Color Laser Display Panels. Angewandte Chemie - International Edition, 2020, 59, 11814-11818.	7.2	41
96	Fabrication, structural characterization and photoluminescence of single-crystal ZnxCd1â^'xS zigzag nanowires. Nanotechnology, 2006, 17, 4644-4649.	1.3	40
97	Embedded Branchâ€Like Organic/Metal Nanowire Heterostructures: Liquidâ€Phase Synthesis, Efficient Photonâ€Plasmon Coupling, and Optical Signal Manipulation. Advanced Materials, 2013, 25, 2784-2788.	11.1	40
98	Construction of Nanowire Heterojunctions: Photonic Functionâ€Oriented Nanoarchitectonics. Advanced Materials, 2016, 28, 1319-1326.	11.1	40
99	Controlled assembly of organic whispering-gallery-mode microlasers as highly sensitive chemical vapor sensors. Chemical Communications, 2017, 53, 3102-3105.	2.2	40
100	Controlling growth of molecular crystal aggregates for efficient optical waveguides. Chemical Communications, 2012, 48, 9011.	2.2	39
101	Tailoring the self-assembled structures and photonic properties of organic nanomaterials. Nanoscale, 2014, 6, 3467.	2.8	39
102	Lead-free thermochromic perovskites with tunable transition temperatures for smart window applications. Science China Chemistry, 2019, 62, 1257-1262.	4.2	39
103	Solvent modulated excited state processes of pushâ€“pull molecule with hybridized local excitation and intramolecular charge transfer character. Physical Chemistry Chemical Physics, 2019, 21, 3894-3902.	1.3	39
104	Hydrogen-Bonded Organic Framework Microlasers with Conformation-Induced Color-Tunable Output. ACS Applied Materials & Interfaces, 2021, 13, 28662-28667.	4.0	39
105	Hostâ€“guest composite organic microlasers. Journal of Materials Chemistry C, 2017, 5, 5600-5609.	2.7	38
106	Organic nanocrystals with tunable morphologies and optical properties prepared through a sonication technique. Physical Chemistry Chemical Physics, 2006, 8, 3300.	1.3	37
107	Exciton funneling in light-harvesting organic semiconductor microcrystals for wavelength-tunable lasers. Science Advances, 2019, 5, eaaw2953.	4.7	37
108	Efficient triphenylamine-based polymorphs with different mechanochromism and lasing emission: manipulating molecular packing and intermolecular interactions. Journal of Materials Chemistry C, 2019, 7, 4434-4440.	2.7	37

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109	Constructing small molecular AIE luminophores through a 2,2-(2,2-diphenylethene-1,1-diyl)dithiophene core and peripheral triphenylamine with applications in piezofluorochromism, optical waveguides, and explosive detection. Journal of Materials Chemistry C, 2016, 4, 8407-8415.	2.7	35
110	Hydrogen Sulfide Solubility in Ionic Liquids (ILs): An Extensive Database and a New ELM Model Mainly Established by Imidazolium-Based ILs. Journal of Chemical & Engineering Data, 2016, 61, 3970-3978.	1.0	35
111	Polymorph-Dependent Electrogenerated Chemiluminescence of Low-Dimensional Organic Semiconductor Structures for Sensing. ACS Applied Materials & Interfaces, 2017, 9, 8891-8899.	4.0	35
112	Surface tension driven aggregation of organic nanowires via lab in a droplet. Nanoscale, 2018, 10, 11006-11012.	2.8	35
113	Tailoring the Energy Levels and Cavity Structures toward Organic Cocrystal Microlasers. ACS Applied Materials & Interfaces, 2018, 10, 42740-42746.	4.0	34
114	Geometry-Programmable Perovskite Microlaser Patterns for Two-Dimensional Optical Encryption. Nano Letters, 2021, 21, 6792-6799.	4.5	34
115	Chiral Hybrid Perovskite Singleâ€Crystal Nanowire Arrays for Highâ€Performance Circularly Polarized Light Detection. Advanced Science, 2021, 8, e2102065.	5.6	34
116	Development of benzylidene-methyloxazolone based AIEgens and decipherment of their working mechanism. Journal of Materials Chemistry C, 2017, 5, 7191-7199.	2.7	33
117	Suppressing Nonradiative Processes of Organic Dye with Metalâ€“Organic Framework Encapsulation toward Near-Infrared Solid-State Microlasers. ACS Applied Materials & Interfaces, 2018, 10, 35455-35461.	4.0	33
118	Organic donor-acceptor heterojunctions for high performance circularly polarized light detection. Nature Communications, 2022, 13, .	5.8	33
119	Tuning Growth of Low-Dimensional Organic Nanostructures for Efficient Optical Waveguide Applications. Journal of Physical Chemistry C, 2012, 116, 14134-14138.	1.5	32
120	â€œHâ€â€like Organic Nanowire Heterojunctions Constructed from Cooperative Molecular Assembly for Photonic Applications. Advanced Science, 2015, 2, 1500130.	5.6	32
121	Smart responsive organic microlasers with multiple emission states for high-security optical encryption. National Science Review, 2021, 8, nwaa162.	4.6	32
122	Estimation of Heat Capacity of Ionic Liquids Using S_{Ïƒ-profile} Molecular Descriptors. Industrial & Engineering Chemistry Research, 2015, 54, 12987-12992.	1.8	31
123	Experimentally Observed Reverse Intersystem Crossingâ€Boosted Lasing. Angewandte Chemie, 2020, 132, 21861-21866.	1.6	31
124	A Photoisomerizationâ€Activated Intramolecular Chargeâ€Transfer Process for Broadbandâ€Tunable Singleâ€Mode Microlasers. Angewandte Chemie - International Edition, 2020, 59, 15992-15996.	7.2	31
125	Pure Metalâ€“Organic Framework Microlasers with Controlled Cavity Shapes. Nano Letters, 2020, 20, 2020-2025.	4.5	31
126	Modulation of a fluorescence switch based on photochromic spirooxazine in composite organic nanoparticles. Nanotechnology, 2007, 18, 145707.	1.3	30

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127	Detection of chemical vapors with tunable emission of binary organic nanobelts. Physical Chemistry Chemical Physics, 2010, 12, 12935.	1.3	30
128	Arylacetyleneâ€Substituted Naphthalene Diimides with Dual Functions: Optical Waveguides and nâ€Type Semiconductors. Chemistry - an Asian Journal, 2014, 9, 3207-3214.	1.7	30
129	Optical Wavelength Filters Based on Photonic Confinement in Semiconductor Nanowire Homojunctions. Advanced Materials, 2014, 26, 620-624.	11.1	29
130	A flavone-based turn-on fluorescent probe for intracellular cysteine/homocysteine sensing with high selectivity. Talanta, 2016, 146, 41-48.	2.9	29
131	Randomly Induced Phase Transformation in Silk Proteinâ€Based Microlaser Arrays for Anticounterfeiting. Advanced Materials, 2021, 33, e2102586.	11.1	29
132	Thermally Activated Lasing in Organic Microcrystals toward Laser Displays. Journal of the American Chemical Society, 2021, 143, 20249-20255.	6.6	29
133	Exciton Polaritons in 1D Organic Nanocrystals. Advanced Functional Materials, 2012, 22, 1330-1332.	7.8	28
134	Controlled Synthesis of Bulk Polymer Nanocomposites with Tunable Second Order Nonlinear Optical Properties. Advanced Materials, 2012, 24, 2249-2253.	11.1	28
135	Organic Microlaser Arrays: From Materials Engineering to Optoelectronic Applications. Accounts of Materials Research, 2021, 2, 340-351.	5.9	28
136	Laterally Engineering Lanthanideâ€MOFs Epitaxial Heterostructures for Spatially Resolved Planar 2D Photonic Barcoding. Angewandte Chemie - International Edition, 2021, 60, 24519-24525.	7.2	27
137	Singleâ€Crystalline Perovskite pâ€“n Junction Nanowire Arrays for Ultrasensitive Photodetection. Advanced Materials, 2022, 34, .	11.1	26
138	Hybrid Top-Down/Bottom-Up Strategy Using Superwettability for the Fabrication of Patterned Colloidal Assembly. ACS Applied Materials & Interfaces, 2016, 8, 4985-4993.	4.0	25
139	Organic nanophotonic materials: the relationship between excited-state processes and photonic performances. Chemical Communications, 2016, 52, 8906-8917.	2.2	25
140	Superkinetic Growth of Oval Organic Semiconductor Microcrystals for Chaotic Lasing. Advanced Materials, 2021, 33, e2100484.	11.1	25
141	Photoluminescence quenching of conjugated polymer nanocomposites for gamma ray detection. Nanotechnology, 2008, 19, 505503.	1.3	24
142	Organic Microcrystal Vibronic Lasers with Fullâ€Spectrum Tunable Output beyond the Franckâ€“Condon Principle. Angewandte Chemie, 2018, 130, 3162-3166.	1.6	24
143	Epitaxial growth of dual-color-emitting organic heterostructuresviabinary solvent synergism driven sequential crystallization. Nanoscale, 2019, 11, 7111-7116.	2.8	24
144	Controlled Outcoupling of Whispering-Gallery-Mode Lasers Based on Self-Assembled Organic Single-Crystalline Microrings. Nano Letters, 2019, 19, 1098-1103.	4.5	24

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145	Full-color flexible laser displays based on random laser arrays. Science China Materials, 2021, 64, 2805-2812.	3.5	24
146	Framework-Shrinkage-Induced Wavelength-Switchable Lasing from a Single Hydrogen-Bonded Organic Framework Microcrystal. Journal of Physical Chemistry Letters, 2022, 13, 130-135.	2.1	24
147	An Aggregationâ€Induced Emission Luminogen with Efficient Luminescent Mechanochromism and Optical Waveguiding Properties. Asian Journal of Organic Chemistry, 2014, 3, 118-121.	1.3	23
148	Engineering Donorâ€“Acceptor Heterostructure Metalâ€“Organic Framework Crystals for Photonic Logic Computation. Angewandte Chemie, 2019, 131, 14028-14034.	1.6	23
149	Heteroepitaxial Growth of Multiblock Lnâ€MOF Microrods for Photonic Barcodes. Angewandte Chemie, 2019, 131, 13941-13945.	1.6	23
150	Topologicalâ€Distortionâ€Driven Amorphous Spherical Metalâ€Organic Frameworks for Highâ€Quality Singleâ€Mode Microlasers. Angewandte Chemie - International Edition, 2021, 60, 6362-6366.	7.2	23
151	Controlled Assembly of Organic Composite Microdisk/Microwire Heterostructures for Output Coupling of Dualâ€Color Lasers. Advanced Optical Materials, 2018, 6, 1701077.	3.6	22
152	Supramolecular Polymer-Based Fluorescent Microfibers for Switchable Optical Waveguides. ACS Applied Materials & Interfaces, 2018, 10, 26526-26532.	4.0	22
153	Rational Design, Controlled Fabrication, and Photonic Applications of Organic Composite Nanomaterials. Advanced Optical Materials, 2018, 6, 1701193.	3.6	22
154	Organic micro/nanoscale materials for photonic barcodes. Organic Chemistry Frontiers, 2020, 7, 2776-2788.	2.3	22
155	A Universal In Situ Crossâ€Linking Strategy Enables Orthogonal Processing of Fullâ€Color Organic Microlaser Arrays. Advanced Functional Materials, 2021, 31, 2103031.	7.8	22
156	Recent advances in luminescent metalâ€“organic frameworks and their photonic applications. Chemical Communications, 2021, 57, 13678-13691.	2.2	22
157	Interfacial Chemistry Triggers Ultrafast Radiative Recombination in Metal Halide Perovskites. Angewandte Chemie - International Edition, 2022, 61, .	7.2	22
158	Excitonâ€Polaritons and Their Boseâ€“Einstein Condensates in Organic Semiconductor Microcavities. Advanced Materials, 2022, 34, e2106095.	11.1	22
159	Oneâ€Dimensional Dielectric/Metallic Hybrid Materials for Photonic Applications. Small, 2015, 11, 3728-3743.	5.2	21
160	Orientationâ€Controlled 2D Anisotropic and Isotropic Photon Transport in Coâ€crystal Polymorph Microplates. Angewandte Chemie, 2020, 132, 4486-4493.	1.6	21
161	Pursuing electrically pumped lasing with organic semiconductors. CheM, 2021, 7, 3221-3231.	5.8	21
162	Highly Luminescent Zero-Dimensional Organic Copper Halide with Low-Loss Optical Waveguides and Highly Polarized Emission. , 2022, 4, 1446-1452.		21

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