

# Jiannian Yao

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

289  
papers

10,253  
citations

54  
h-index

88  
g-index

308  
ext. papers

11,913  
ext. citations

9.9  
avg, IF

6.73  
L-index

#	Paper	IF	Citations
289	Conformational distortion-harnessed singlet fission dynamics in thienoquinoid: rapid generation and subsequent annihilation of multiexciton dark state. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 4268-4275	7.1	0
288	A pre-organized monomer-reservoir strategy to prepare multidimensional phosphorescent organoplatinum nanocrystals and suprastructures. <i>Science China Chemistry</i> , <b>2022</b> , 65, 328-338	7.9	0
287	Differential polymer chain scission enables free-standing microcavity laser arrays.. <i>Advanced Materials</i> , <b>2021</b> , e2107611	24	3
286	Thermally Activated Lasing in Organic Microcrystals toward Laser Displays. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 20249-20255	16.4	8
285	Superkinetic Growth of Oval Organic Semiconductor Microcrystals for Chaotic Lasing. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100484	24	15
284	Tailoring Color-Tunable Dual Emissions of Mn <sup>2+</sup> -Alloyed Two-Dimensional Perovskite Quantum Wells. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 2847-2854	9.6	10
283	A Universal In Situ Cross-Linking Strategy Enables Orthogonal Processing of Full-Color Organic Microlaser Arrays. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103031	15.6	13
282	High-Lying 3A Dark-State-Mediated Singlet Fission. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 5691-5697	16.4	6
281	Full-Color and White Circularly Polarized Luminescence of Hydrogen-Bonded Ionic Organic Microcrystals. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14716-14721	3.6	6
280	Full-Color and White Circularly Polarized Luminescence of Hydrogen-Bonded Ionic Organic Microcrystals. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14595-14600	16.4	15
279	Engineering Electronic Structure of Single-Atom Pd Site on Ti <sub>0.87</sub> O <sub>2</sub> Nanosheet via Charge Transfer Enables C-Br Cleavage for Room-Temperature Suzuki Coupling. <i>CCS Chemistry</i> , <b>2021</b> , 3, 1453-1462	7.2	3
278	Room temperature exciton-polariton Bose-Einstein condensation in organic single-crystal microribbon cavities. <i>Nature Communications</i> , <b>2021</b> , 12, 3265	17.4	12
277	Organic composite materials: Understanding and manipulating excited states toward higher light-emitting performance. <i>Aggregate</i> , <b>2021</b> , 2, e103	22.9	2
276	Magnetically Controlled Assembly of Dielectric Microspheres toward Photonic Molecules. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103945	15.6	3
275	Smart responsive organic microlasers with multiple emission states for high-security optical encryption. <i>National Science Review</i> , <b>2021</b> , 8, nwaa162	10.8	17
274	Ultrathin Monolayer Mn <sup>2+</sup> -Alloyed 2D Perovskite Colloidal Quantum Wells. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001135	8.1	6
273	Electrospinning fabrication of flexible, foldable, and twistable Sb <sub>2</sub> S <sub>3</sub> /TiO <sub>2</sub> /C nanofiber anode for lithium ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 413, 127400	14.7	13

272	CoO-metalloxocubes: a new class of perovskite-like neutral clusters with cubic aromaticity. <i>National Science Review</i> , <b>2021</b> , 8, nwaa201	10.8	13
271	A mono-copper doped undeca-gold cluster with up-converted and anti-stokes emissions of fluorescence and phosphorescence. <i>Nanoscale</i> , <b>2021</b> , 13, 5300-5306	7.7	4
270	Photonic skins based on flexible organic microlaser arrays. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	19
269	Geometry-Programmable Perovskite Microlaser Patterns for Two-Dimensional Optical Encryption. <i>Nano Letters</i> , <b>2021</b> , 21, 6792-6799	11.5	9
268	3D Laser Displays Based on Circularly Polarized Lasing from Cholesteric Liquid Crystal Arrays. <i>Advanced Materials</i> , <b>2021</b> , 33, e2104418	24	23
267	Randomly Induced Phase Transformation in Silk Protein-Based Microlaser Arrays for Anticounterfeiting. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102586	24	11
266	Exciton-Polaritons and Their Bose-Einstein Condensates in Organic Semiconductor Microcavities. <i>Advanced Materials</i> , <b>2021</b> , e2106095	24	6
265	H-Type-like Aggregation-Accelerated Singlet Fission Process in Dipyrrolonaphthyridinedione Thin Film: The Role of Charge Transfer/Excimer Mixed Intermediate State.. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 12276-12282	6.4	5
264	A Photoisomerization-Activated Intramolecular Charge-Transfer Process for Broadband-Tunable Single-Mode Microlasers. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15992-15996	16.4	22
263	A Photoisomerization-Activated Intramolecular Charge-Transfer Process for Broadband-Tunable Single-Mode Microlasers. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16126-16130	3.6	1
262	Lasing from an Organic Micro-Helix. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 11080-11086	16.4	9
261	Lasing from an Organic Micro-Helix. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 11173-11179	3.6	0
260	Manganese Doping in Cobalt Oxide Nanorods Promotes Catalytic Dehydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 5734-5741	8.3	8
259	Enhancing multiphoton upconversion through interfacial energy transfer in multilayered nanoparticles. <i>Nature Communications</i> , <b>2020</b> , 11, 1174	17.4	54
258	Engineering Platinum-Oxygen Dual Catalytic Sites via Charge Transfer towards Highly Efficient Hydrogen Evolution. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 17865-17871	3.6	11
257	Engineering Platinum-Oxygen Dual Catalytic Sites via Charge Transfer towards Highly Efficient Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 17712-17718	16.4	28
256	Grain Boundary Enhanced Photoluminescence Anisotropy in Two-Dimensional Hybrid Perovskite Films. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901780	8.1	9
255	Regulating Charge Transfer of Lattice Oxygen in Single-Atom-Doped Titania for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15855-15859	16.4	26

254	Flat-Panel Laser Displays Based on Liquid Crystal Microlaser Arrays. <i>CCS Chemistry</i> , <b>2020</b> , 2, 369-375	7.2	57
253	Wavelength-Tunable Single-Mode Microlasers Based on Photoresponsive Pitch Modulation of Liquid Crystals for Information Encryption. <i>Research</i> , <b>2020</b> , 2020, 6539431	7.8	6
252	Singlet Fission in a -Azaquinodimethane-Based Quinoidal Conjugated Polymer. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17892-17896	16.4	13
251	sp/sp Hybridized Carbon as an Anode with Extra Li-Ion Storage Capacity: Construction and Origin. <i>ACS Central Science</i> , <b>2020</b> , 6, 1451-1459	16.8	10
250	Effect of the Fluoro-Substituent Position on the Crystal Structure and Photoluminescence of Microcrystals of Platinum $\beta$ -Diketonate Complexes. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 11316-11328	5.1	3
249	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> , <b>2020</b> , 11, 9154-9161	9.4	31
248	Tuneable red, green, and blue single-mode lasing in heterogeneously coupled organic spherical microcavities. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 151	16.7	14
247	Regulating Charge Transfer of Lattice Oxygen in Single-Atom-Doped Titania for Hydrogen Evolution. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15989-15993	3.6	4
246	Novel bimetallic lanthanide metal-organic frameworks (Ln-MOFs) for colour-tuning through energy-transfer between visible and near-infrared emitting Ln <sup>3+</sup> ions. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 2751-2757	7.1	15
245	Modulation of Amplified Spontaneous Emissions between Singlet Fluorescence and Triplet Phosphorescence Channels in Organic Dye Lasers. <i>Laser and Photonics Reviews</i> , <b>2019</b> , 13, 1900036	8.3	8
244	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> , <b>2019</b> , 12, 2529-2536	35.4	188
243	Exciton funneling in light-harvesting organic semiconductor microcrystals for wavelength-tunable lasers. <i>Science Advances</i> , <b>2019</b> , 5, eaaw2953	14.3	23
242	Effect of Axial Coordination of Iron Porphyrin on Their Nanostructures and Photocatalytic Performance. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 3279-3287	3.5	9
241	Organic Janus Microspheres: A General Approach to All-Color Dual-Wavelength Microlasers. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 5116-5120	16.4	36
240	A High-Performance Non-Fullerene Acceptor Compatible with Polymers with Different Bandgaps for Efficient Organic Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1800376	7.1	34
239	Atomic iridium@cobalt nanosheets for dinuclear tandem water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 8376-8383	13	39
238	A fluorometric displacement assay for adenosine triphosphate using layered cobalt(II) double hydroxide nanosheets. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 263	5.8	5
237	Photoluminescent Anisotropy Amplification in Polymorphic Organic Nanocrystals by Light-Harvesting Energy Transfer. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 6157-6161	16.4	47

236	Rechargeable Zn-CO Electrochemical Cells Mimicking Two-Step Photosynthesis. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807807	24	45
235	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> , <b>2019</b> , 9, 1901728 <sup>21.8</sup>	21.8	181
234	An integrated instrument of DUV-IR photoionization mass spectrometry and spectroscopy for neutral clusters. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 073101	1.7	22
233	Efficient triplet pair separation from intramolecular singlet fission in dibenzopentalene derivatives. <i>Science China Chemistry</i> , <b>2019</b> , 62, 1037-1043	7.9	3
232	3D-printed optical-electronic integrated devices. <i>Science China Chemistry</i> , <b>2019</b> , 62, 1398-1404	7.9	4
231	Single-molecule level control of host-guest interactions in metallocycle-C complexes. <i>Nature Communications</i> , <b>2019</b> , 10, 4599	17.4	19
230	Full-color laser displays based on organic printed microlaser arrays. <i>Nature Communications</i> , <b>2019</b> , 10, 870	17.4	89
229	Controlled Outcoupling of Whispering-Gallery-Mode Lasers Based on Self-Assembled Organic Single-Crystalline Microrings. <i>Nano Letters</i> , <b>2019</b> , 19, 1098-1103	11.5	14
228	13%-Efficiency Quaternary Polymer Solar Cell with Nonfullerene and Fullerene as Mixed Electron Acceptor Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 766-773	9.5	15
227	Amplified Spontaneous Emission Based on 2D Ruddlesden-Popper Perovskites. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707006	15.6	88
226	2D Ruddlesden-Popper Perovskites Microring Laser Array. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706186	24	135
225	In Situ Visualization of Assembly and Photonic Signal Processing in a Triplet Light-Harvesting Nanosystem. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 4269-4278	16.4	64
224	Cobalt layered double hydroxide nanosheets synthesized in water/methanol solution as oxygen evolution electrocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 5999-6006	13	69
223	Thermal-Responsive Phosphorescent Nanoamplifiers Assembled from Two Metallophosphors. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7946-7951	3.6	7
222	A Two-Dimensional Ruddlesden-Popper Perovskite Nanowire Laser Array based on Ultrafast Light-Harvesting Quantum Wells. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7748-7752	16.4	49
221	Thermal-Responsive Phosphorescent Nanoamplifiers Assembled from Two Metallophosphors. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7820-7825	16.4	26
220	Metal-Free Fluorine-Doped Carbon Electrocatalyst for CO Reduction Outcompeting Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9640-9644	16.4	151
219	Metal-Free Fluorine-Doped Carbon Electrocatalyst for CO <sub>2</sub> Reduction Outcompeting Hydrogen Evolution. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9788-9792	3.6	53

218	Triarylaminines with branched multi-pyridine groups: modulation of emission properties by structural variation, solvents, and tris(pentafluorophenyl)borane. <i>Science China Chemistry</i> , <b>2018</b> , 61, 545-556	7.9	12
217	Weak interactions cause selective cocrystal formation of lanthanide nitrates and tetra-2-pyridinylpyrazine. <i>CrystEngComm</i> , <b>2018</b> , 20, 1123-1129	3.3	12
216	Tetraphenylphosphonium Bromide as a Cathode Buffer Layer Material for Highly Efficient Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 5569-5576	9.5	18
215	Room-Temperature Phosphorescence in Pure Organic Materials: Halogen Bonding Switching Effects. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1801-1805	4.8	64
214	Two-Dimensional Pyramid-like WS Layered Structures for Highly Efficient Edge Second-Harmonic Generation. <i>ACS Nano</i> , <b>2018</b> , 12, 689-696	16.7	46
213	Loss compensation during subwavelength propagation of enhanced second-harmonic generation signals in a hybrid plasmonic waveguide. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 491-496	7.8	4
212	A Two-Dimensional Ruddlesden-Popper Perovskite Nanowire Laser Array based on Ultrafast Light-Harvesting Quantum Wells. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7874-7878	3.6	15
211	Asymmetric photon transport in organic semiconductor nanowires through electrically controlled exciton diffusion. <i>Science Advances</i> , <b>2018</b> , 4, eaap9861	14.3	39
210	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> , <b>2018</b> , 61, 1609-1618	7.9	25
209	Improved fullerene-free polymer solar cells using a rationally designed binary mixed solution of an electron extracting layer. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 1876-1883	7.8	7
208	Innenrücktitelbild: Metal-Free Fluorine-Doped Carbon Electrocatalyst for CO <sub>2</sub> Reduction Outcompeting Hydrogen Evolution (Angew. Chem. 31/2018). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10133-10133	3.6	33
207	Emissive edge state in CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> films probed by fluorescence lifetime imaging technique. <i>Journal of Photonics for Energy</i> , <b>2018</b> , 8, 1	1.2	3
206	Hybrid Three-Dimensional Spiral WSe Plasmonic Structures for Highly Efficient Second-Order Nonlinear Parametric Processes. <i>Research</i> , <b>2018</b> , 2018, 4164029	7.8	13
205	Wavelength Division Multiplexer Based on Semiconductor Heterostructures Constructed via Nanoarchitectonics. <i>Small</i> , <b>2018</b> , 14, 1702698	11	6
204	Frontispiece: Reversible Aqueous Zinc-CO <sub>2</sub> Batteries Based on CO <sub>2</sub> /HCOOH Interconversion. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57,	16.4	1
203	Organophosphorus Derivatives as Cathode Interfacial-Layer Materials for Highly Efficient Fullerene-Free Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 35896-35903	9.5	12
202	Fused-Ring Nonfullerene Acceptor Forming Interpenetrating J-Architecture for Fullerene-Free Polymer Solar Cells. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800204	21.8	60
201	Stimulated Emission-Controlled Photonic Transistor on a Single Organic Triblock Nanowire. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13147-13150	16.4	33

200	Reversible Aqueous Zinc-CO <sub>2</sub> Batteries Based on CO <sub>2</sub> /HCOOH Interconversion. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 17242-17247	3.6	9
199	Reversible Aqueous Zinc-CO Batteries Based on CO/HCOOH Interconversion. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16996-17001	16.4	60
198	Complex assembly from planar and twisted $\pi$ -conjugated molecules towards alloy helices and core-shell structures. <i>Nature Communications</i> , <b>2018</b> , 9, 4358	17.4	24
197	Molecular Quadripod as a Noncovalent Interfacial Coupling Reagent for Forming Immobilized Coordination Assemblies. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 12337-12340	16.4	7
196	Proton-Controlled Organic Microlaser Switch. <i>ACS Nano</i> , <b>2018</b> , 12, 5734-5740	16.7	33
195	A Two-Dimensional Hole-Transporting Material for High-Performance Perovskite Solar Cells with 20 % Average Efficiency. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11125-11131	3.6	15
194	A Two-Dimensional Hole-Transporting Material for High-Performance Perovskite Solar Cells with 20 % Average Efficiency. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10959-10965	16.4	95
193	Modulated emission from dark triplet excitons in aza-acene compounds: fluorescence versus phosphorescence. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 1864-1871	3.6	7
192	Lattice-Matched Epitaxial Growth of Organic Heterostructures for Integrated Optoelectronic Application. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3616-3620	16.4	44
191	A New Function of N719: N719 Based Solution-Processible Binary Cathode Buffer Layer Enables High-Efficiency Single-Junction Polymer Solar Cells. <i>Solar Rrl</i> , <b>2017</b> , 1, 1700014	7.1	24
190	Chemical redox modulated fluorescence of nitrogen-doped graphene quantum dots for probing the activity of alkaline phosphatase. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 94, 271-277	11.8	82
189	Lattice-Matched Epitaxial Growth of Organic Heterostructures for Integrated Optoelectronic Application. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3670-3674	3.6	10
188	Anion-regulated electronic communication in a cyclometalated diruthenium complex with a urea bridge. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 8902-8907	3.6	8
187	Photoreactions of Porphyrins Initiated by Deep Ultraviolet Single Photons. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 4626-4632	2.8	6
186	The controllable synthesis of ultrafine one-dimensional small-molecule semiconducting nanocrystals in surfactant-assisted wet chemical reactions and their confinement effect. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6377-6385	7.1	10
185	Porous hydrogen-bonded organic/inorganic frameworks: weak interactions and selective dye filtration. <i>CrystEngComm</i> , <b>2017</b> , 19, 613-617	3.3	25
184	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 &amp; Interfaces</i> , <b>2017</b> , 9, 1446-1452	9.5	27
183	Benzoinidolic squaraine dyes with a large two-photon absorption cross-section. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1224-1230	7.1	20

182	Dual-Wavelength Switchable Vibronic Lasing in Single-Crystal Organic Microdisks. <i>Nano Letters</i> , <b>2017</b> , 17, 91-96	11.5	51
181	Highly Efficient Room-Temperature Phosphorescence from Halogen-Bonding-Assisted Doped Organic Crystals. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 8652-8658	2.8	51
180	Tunable Near-Infrared Organic Nanowire Nanolasers. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703470	15.6	52
179	A Novel BODIPY-Based Low-Band-Gap Small-Molecule Acceptor for Efficient Non-fullerene Polymer Solar Cells. <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 1813-1823	4.9	19
178	All-Color Subwavelength Output of Organic Flexible Microlasers. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 11329-11332	16.4	37
177	Dual-color single-mode lasing in axially coupled organic nanowire resonators. <i>Science Advances</i> , <b>2017</b> , 3, e1700225	14.3	88
176	Absence of Intramolecular Singlet Fission in Pentacene-Perylenediimide Heterodimers: The Role of Charge Transfer State. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 5609-5615	6.4	8
175	Tuning the organic microcrystal laser wavelength of ESIPT-active compounds via controlling the excited enol* and keto* emissions. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 12235-12240	7.1	25
174	Regulation of intra- and intermolecular PtPt and $\pi$ interactions of a U-shaped diplatinum complex to achieve pseudo-polymorphic emissions in solution and crystalline states. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 7222-7229	7.1	15
173	"Capillary-Bridge Lithography" for Patterning Organic Crystals toward Mode-Tunable Microlaser Arrays. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603652	24	77
172	Design of Diketopyrrolopyrrole (DPP)-Based Small Molecules for Organic-Solar-Cell Applications. <i>Advanced Materials</i> , <b>2017</b> , 29, 1600013	24	223
171	Reaction Mechanisms of CO <sub>2</sub> Reduction to Formaldehyde Catalyzed by Hourglass Ru, Fe, and Os Complexes: A Density Functional Theory Study. <i>Catalysts</i> , <b>2017</b> , 7, 5	4	10
170	Organic Micro/Nanoscale Lasers. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 1691-700	24.3	214
169	Self-Assembled 1D-Nanowire Lasers of Perylenediimides. <i>ChemPhysChem</i> , <b>2016</b> , 17, 3160-3164	3.2	2
168	Terminal moiety-driven electrical performance of asymmetric small-molecule-based organic solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 15688-15697	13	10
167	Photodetectors: Controlled Substitution of Chlorine for Iodine in Single-Crystal Nanofibers of Mixed Perovskite MAPbI <sub>3-x</sub> Cl <sub>x</sub> (Small 28/2016). <i>Small</i> , <b>2016</b> , 12, 3880-3880	11	
166	Water-Resistant Perovskite Polygonal Microdisks Laser in Flexible Photonics Devices. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1718-1725	8.1	24
165	Boosting Organic Solar Cell Electrical Performance by Introducing Large Aromatics onto Small-Molecule Peripheral Side-Chains. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600323	4.6	8



164	Excimer Emission in Self-Assembled Organic Spherical Microstructures: An Effective Approach to Wavelength Switchable Microlasers. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1009-1014	8.1	31
163	Construction of Nanowire Heterojunctions: Photonic Function-Oriented Nanoarchitectonics. <i>Advanced Materials</i> , <b>2016</b> , 28, 1319-26	24	33
162	Controlling the Cavity Structures of Two-Photon-Pumped Perovskite Microlasers. <i>Advanced Materials</i> , <b>2016</b> , 28, 4040-6	24	172
161	Scalable Fabrication of Nanoporous Carbon Fiber Films as Bifunctional Catalytic Electrodes for Flexible Zn-Air Batteries. <i>Advanced Materials</i> , <b>2016</b> , 28, 3000-6	24	508
160	High-Efficiency Nonfullerene Polymer Solar Cell Enabling by Integration of Film-Morphology Optimization, Donor Selection, and Interfacial Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15415-21	9.5	32
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15	Ultrasound-induced change of microstructure and photochromic properties of polyacrylamide thin films containing a polyoxometalate. <i>Journal of Materials Research</i> , <b>2003</b> , 18, 709-713	2.5	8
14	Photocatalytic activity of pure rutile particles derived from a photo-assisted sol-gel method. <i>New Journal of Chemistry</i> , <b>2003</b> , 27, 529-532	3.6	8
13	Fabrication of photochromic phosphomolybdic acid monolayer film. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 2751	3.6	8
12	A new layered hybrid material by hydrothermal assembly of 12-molybdophosphoric acid and 1,10-diaminodecane. <i>Journal of Materials Science Letters</i> , <b>2002</b> , 21, 1257-1259		5
11	Promoted phase transition of titania nanoparticles prepared by a photo-assisted sol-gel method. <i>New Journal of Chemistry</i> , <b>2002</b> , 26, 975-977	3.6	29
10	Two-dimensional self-organization of 1-nonanethiol-capped gold nanoparticles. <i>Science Bulletin</i> , <b>2001</b> , 46, 996-998		11
9	Effect of PVA on the growth and the optical properties of perylene nanocrystals. <i>New Journal of Chemistry</i> , <b>2001</b> , 25, 1362-1364	3.6	35
8	Electrochemical and Photoelectrochemical Properties of ITO/ $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticulate Film Electrode in Na <sub>2</sub> SO <sub>4</sub> Solution. <i>Molecular Crystals and Liquid Crystals</i> , <b>1999</b> , 337, 437-440		2
7	Supramolecular Assembly and Circularly Polarized Phosphorescence of Tridentate Platinum-Isocyanide Complexes Modified with a Chiral Leucine Derivative. <i>ChemPhotoChem</i> ,	3.3	4
6	An Optically Reconfigurable Förster Resonance Energy Transfer Process for Broadband Switchable Organic Single-Mode Microlasers. <i>CCS Chemistry</i> , 624-632	7.2	24
5	Revealing the Role of d Orbitals of Transition-Metal-Doped Titanium Oxide on High-Efficient Oxygen Reduction. <i>CCS Chemistry</i> , 180-188	7.2	7
4	Exciton funneling amplified photoluminescence anisotropy in organic radical-doped microcrystals. <i>Journal of Materials Chemistry C</i> ,	7.1	1
3	Efficient Singlet Fission in Loose Packing Benzodipyrrolidone Thin Films. <i>Journal of Physical Chemistry C</i> ,	3.8	2

2	Strategic Engineering of Sub-5 nm Dyes@CDs Nanoassemblies Platform for Super Resolution Imaging. <i>Advanced Functional Materials</i> ,2106516	15.6	0
1	Molecular design strategy for practical singlet fission materials: The charm of donor/acceptor decorated quinoidal structure. <i>CCS Chemistry</i> ,1-17	7.2	2