

Wong, Kam Sing

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.

131
papers

7,146
citations

49
h-index

83
g-index

148
ext. papers

8,664
ext. citations

10.9
avg, IF

6.04
L-index

#	Paper	IF	Citations
131	1-Chloronaphthalene-Induced Donor/Acceptor Vertical Distribution and Carrier Dynamics Changes in Nonfullerene Organic Solar Cells and the Governed Mechanism.. <i>Small Methods</i> , 2022 , e2101475	12.8	8
130	Molecular Dynamics Simulations of Shockwave Affected STMV Virus to Measure the Frequencies of the Oscillatory Response. <i>Acoustics</i> , 2022 , 4, 268-275	2	
129	Reciprocally Photovoltaic Light-Emitting Diode Based on Dispersive Perovskite Nanocrystal.. <i>Small</i> , 2022 , e2107145	11	3
128	Lead Halide Perovskites: Uncovering the Electron-Phonon Interplay and Dynamical Energy-Dissipation Mechanisms of Hot Carriers in Hybrid Lead Halide Perovskites (Adv. Energy Mater. 9/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170036	21.8	
127	16% efficiency all-polymer organic solar cells enabled by a finely tuned morphology via the design of ternary blend. <i>Joule</i> , 2021 , 5, 914-930	27.8	110
126	Side-Chain Engineering on Y-Series Acceptors with Chlorinated End Groups Enables High-Performance Organic Solar Cells. <i>Advanced Energy Materials</i> , 2021 , 11, 2003777	21.8	26
125	Factors That Prevent Spin-Triplet Recombination in Non-fullerene Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5045-5051	6.4	6
124	Enhanced Electrochemical Stability by Alkyldiammonium in DionJacobson Perovskite toward Ultrastable Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021 , 9, 2100243	8.1	5
123	Upside-Down Molding Approach for Geometrical Parameter-Tunable Photonic Perovskite Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 27313-27322	9.5	
122	High-Performance Blue Perovskite Light-Emitting Diodes Enabled by Efficient Energy Transfer between Coupled Quasi-2D Perovskite Layers. <i>Advanced Materials</i> , 2021 , 33, e2005570	24	74
121	Perovskite Light-Emitting Diodes: High-Performance Blue Perovskite Light-Emitting Diodes Enabled by Efficient Energy Transfer between Coupled Quasi-2D Perovskite Layers (Adv. Mater. 1/2021). <i>Advanced Materials</i> , 2021 , 33, 2170006	24	4
120	Optically Probing Field-Dependent Charge Dynamics in Non-Fullerene Organic Photovoltaics with Small Interfacial Energy Offsets. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1714-1722	3.8	1
119	Fine-tuning of side-chain orientations on nonfullerene acceptors enables organic solar cells with 17.7% efficiency. <i>Energy and Environmental Science</i> , 2021 , 14, 3469-3479	35.4	62
118	Diagnosis of fatty liver disease by a multiphoton-active and lipid-droplet-specific AIEgen with nonaromatic rotors. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1853-1862	7.8	9
117	Uncovering the Electron-Phonon Interplay and Dynamical Energy-Dissipation Mechanisms of Hot Carriers in Hybrid Lead Halide Perovskites. <i>Advanced Energy Materials</i> , 2021 , 11, 2003071	21.8	8
116	Evaporation-Free Organic Solar Cells with High Efficiency Enabled by Dry and Nonimmersive Sintering Strategy. <i>Advanced Functional Materials</i> , 2021 , 31, 2010764	15.6	3
115	Unraveling the Temperature Dependence of Exciton Dissociation and Free Charge Generation in Nonfullerene Organic Solar Cells. <i>Solar Rrl</i> , 2021 , 5, 2000789	7.1	6

114	Quantification of Temperature-Dependent Charge Separation and Recombination Dynamics in Non-Fullerene Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2021 , 31, 2107157	15.6	4
113	A monolithic InP/SOI platform for integrated photonics. <i>Light: Science and Applications</i> , 2021 , 10, 200	16.7	7
112	Alkoxy substitution on IDT-Series and Y-Series non-fullerene acceptors yielding highly efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7481-7490	13	14
111	Potassium and Rubidium Copper Halide A ₂ CuX ₃ (A = K, Rb, X = Cl, Br) Micro- and Nanocrystals with Near Unity Quantum Yields for White Light Applications. <i>ACS Applied Nano Materials</i> , 2021 , 4, 14188-14196	5.6	3
110	Solution-Processed, Inverted AgBiS Nanocrystal Solar Cells.. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	2
109	Perovskite Bifunctional Diode with High Photovoltaic and Electroluminescent Performance by Holistic Defect Passivation. <i>Small</i> , 2021 , e2105196	11	3
108	Long-lived and disorder-free charge transfer states enable endothermic charge separation in efficient non-fullerene organic solar cells. <i>Nature Communications</i> , 2020 , 11, 5617	17.4	38
107	III ^V micro- and nano-lasers deposited on amorphous SiO ₂ . <i>Applied Physics Letters</i> , 2020 , 116, 172102	3.4	4
106	ACQ-to-AIE Transformation: Tuning Molecular Packing by Regioisomerization for Two-Photon NIR Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12822-12826	16.4	62
105	ACQ-to-AIE Transformation: Tuning Molecular Packing by Regioisomerization for Two-Photon NIR Bioimaging. <i>Angewandte Chemie</i> , 2020 , 132, 12922-12926	3.6	8
104	Phase control for quasi-2D blue emitters by spacer cation engineering. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11052-11060	7.1	6
103	Room Temperature Synthesis of Stable, Printable Cs ₃ Cu ₂ X ₅ (X = I, Br/I, Br, Br/Cl, Cl) Colloidal Nanocrystals with Near-Unity Quantum Yield Green Emitters (X = Cl). <i>Chemistry of Materials</i> , 2020 , 32, 5515-5524	9.6	63
102	Optical Trapping, Sizing, and Probing Acoustic Modes of a Small Virus. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 394	2.6	16
101	A 16.4% efficiency organic photovoltaic cell enabled using two donor polymers with their side-chains oriented differently by a ternary strategy. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3676-3685	13	37
100	Red AIE-Active Fluorescent Probes with Tunable Organelle-Specific Targeting. <i>Advanced Functional Materials</i> , 2020 , 30, 1909268	15.6	42
99	Highly efficient singlet oxygen generation, two-photon photodynamic therapy and melanoma ablation by rationally designed mitochondria-specific near-infrared AIEgens. <i>Chemical Science</i> , 2020 , 11, 2494-2503	9.4	78
98	Two Are Better Than One: A Design Principle for Ultralong-Persistent Luminescence of Pure Organics. <i>Advanced Materials</i> , 2020 , 32, e2001026	24	91
97	Bufferless 15 μm III-V lasers grown on Si-photonics 220 nm silicon-on-insulator platforms. <i>Optica</i> , 2020 , 7, 148	8.6	34

96	Interlayer Cross-Linked 2D Perovskite Solar Cell with Uniform Phase Distribution and Increased Exciton Coupling. <i>Solar Rrl</i> , 2020 , 4, 1900578	7.1	24
95	Mixed Spacer Cation Stabilization of Blue-Emitting n = 2 Ruddlesden-Popper Organic-Inorganic Halide Perovskite Films. <i>Advanced Optical Materials</i> , 2020 , 8, 1901679	8.1	27
94	Unraveling the photophysical and semiconducting properties of color converter luminogens with aggregation induced emission characteristics. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16757-16768	7.1	1
93	Surface Sulfuration of NiO Boosts the Performance of Inverted Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000270	7.1	13
92	Selective Hole and Electron Transport in Efficient Quaternary Blend Organic Solar Cells. <i>Joule</i> , 2020 , 4, 1790-1805	27.8	79
91	Delocalization of exciton and electron wavefunction in non-fullerene acceptor molecules enables efficient organic solar cells. <i>Nature Communications</i> , 2020 , 11, 3943	17.4	222
90	Inverted planar perovskite solar cells based on CsI-doped PEDOT:PSS with efficiency beyond 20% and small energy loss. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21662-21667	13	40
89	Spontaneous Formation of Nanocrystals in Amorphous Matrix: Alternative Pathway to Bright Emission in Quasi-2D Perovskites. <i>Advanced Optical Materials</i> , 2019 , 7, 1900269	8.1	3
88	Perovskite Bifunctional Device with Improved Electroluminescent and Photovoltaic Performance through Interfacial Energy-Band Engineering. <i>Advanced Materials</i> , 2019 , 31, e1902543	24	46
87	Drawing a clear mechanistic picture for the aggregation-induced emission process. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1143-1150	7.8	41
86	Highly photostable two-photon NIR AIEgens with tunable organelle specificity and deep tissue penetration. <i>Biomaterials</i> , 2019 , 208, 72-82	15.6	57
85	Functionalized Acrylonitriles with Aggregation-Induced Emission: Structure Tuning by Simple Reaction-Condition Variation, Efficient Red Emission, and Two-Photon Bioimaging. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15111-15120	16.4	93
84	. <i>IEEE Access</i> , 2019 , 7, 91093-91104	3.5	13
83	Ruddlesden-Popper Perovskites: Spontaneous Formation of Nanocrystals in Amorphous Matrix: Alternative Pathway to Bright Emission in Quasi-2D Perovskites (Advanced Optical Materials 19/2019). <i>Advanced Optical Materials</i> , 2019 , 7, 1970074	8.1	
82	Telecom InP/InGaAs nanolaser array directly grown on (001) silicon-on-insulator. <i>Optics Letters</i> , 2019 , 44, 767-770	3	32
81	Enhanced absorption of CVD grown molybdenum disulfide monolayers via surface plasmon resonance with silver nano-triangles. <i>OSA Continuum</i> , 2019 , 2, 1401	1.4	1
80	Room temperature III-V nanolasers with distributed Bragg reflectors epitaxially grown on (001) silicon-on-insulators. <i>Photonics Research</i> , 2019 , 7, 1081	6	8
79	Bulk Heterojunction Quasi-Two-Dimensional Perovskite Solar Cell with 1.18 V High Photovoltage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2935-2943	9.5	12

78	An Ultrathin Ferroelectric Perovskite Oxide Layer for High-Performance Hole Transport Material Free Carbon Based Halide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019 , 29, 1806506	15.6	65
77	Endoplasmic Reticulum-Localized Two-Photon-Absorbing Boron Dipyrromethenes as Advanced Photosensitizers for Photodynamic Therapy. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 3952-3961	8.3	40
76	All-room-temperature solution-processed new nanocomposites based hole transport layer from synthesis to film formation for high-performance organic solar cells towards ultimate energy-efficient fabrication. <i>Nano Energy</i> , 2018 , 47, 26-34	17.1	14
75	Low-Bandgap Methylammonium-Rubidium Cation Sn-Rich Perovskites for Efficient Ultraviolet/Visible/Near Infrared Photodetectors. <i>Advanced Functional Materials</i> , 2018 , 28, 1706068	15.6	55
74	Self-Assembled Quasi-3D Nanocomposite: A Novel p-Type Hole Transport Layer for High Performance Inverted Organic Solar Cells. <i>Advanced Functional Materials</i> , 2018 , 28, 1706403	15.6	31
73	Mechanochromism: Multifunctional AIEgens: Ready Synthesis, Tunable Emission, Mechanochromism, Mitochondrial, and Bacterial Imaging (Adv. Funct. Mater. 1/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870006	15.6	
72	Alkyl Chain Regiochemistry of Benzotriazole-Based Donor Polymers Influencing Morphology and Performances of Non-Fullerene Organic Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1702427	21.8	31
71	Bright Near-Infrared Aggregation-Induced Emission Luminogens with Strong Two-Photon Absorption, Excellent Organella Specificity, and Efficient Photodynamic Therapy Potential. <i>ACS Nano</i> , 2018 , 12, 8145-8159	16.7	199
70	Pyrrlopyrrole aza boron dipyrromethene based two-photon fluorescent probes for subcellular imaging. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5570-5581	7.3	9
69	Room-temperature InP/InGaAs nano-ridge lasers grown on Si and emitting at telecom bands. <i>Optica</i> , 2018 , 5, 918	8.6	29
68	Multifunctional AIEgens: Ready Synthesis, Tunable Emission, Mechanochromism, Mitochondrial, and Bacterial Imaging. <i>Advanced Functional Materials</i> , 2018 , 28, 1704589	15.6	84
67	All-Perovskite Emission Architecture for White Light-Emitting Diodes. <i>ACS Nano</i> , 2018 , 12, 10486-10492	16.7	61
66	Aggregation-Induced Emission Luminogens as Color Converters for Visible-Light Communication. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34418-34426	9.5	21
65	Specific Two-Photon Imaging of Live Cellular and Deep-Tissue Lipid Droplets by Lipophilic AIEgens at Ultralow Concentration. <i>Chemistry of Materials</i> , 2018 , 30, 4778-4787	9.6	88
64	Novel Direct Nanopatterning Approach to Fabricate Periodically Nanostructured Perovskite for Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2017 , 27, 1606525	15.6	75
63	Textured CH ₃ NH ₃ PbI ₃ thin film with enhanced stability for high performance perovskite solar cells. <i>Nano Energy</i> , 2017 , 33, 485-496	17.1	65
62	Large-Grain Formamidinium PbI _{3-x} Br _x for High-Performance Perovskite Solar Cells via Intermediate Halide Exchange. <i>Advanced Energy Materials</i> , 2017 , 7, 1601882	21.8	61
61	A pure and stable intermediate phase is key to growing aligned and vertically monolithic perovskite crystals for efficient PIN planar perovskite solar cells with high processibility and stability. <i>Nano Energy</i> , 2017 , 34, 58-68	17.1	123

60	Non-conventional fluorescent biogenic and synthetic polymers without aromatic rings. <i>Polymer Chemistry</i> , 2017 , 8, 1722-1727	4.9	113
59	Functionalized AIE nanoparticles with efficient deep-red emission, mitochondrial specificity, cancer cell selectivity and multiphoton susceptibility. <i>Chemical Science</i> , 2017 , 8, 4634-4643	9.4	53
58	Crystallinity Preservation and Ion Migration Suppression through Dual Ion Exchange Strategy for Stable Mixed Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1700118	21.8	58
57	Two-photon AIE bio-probe with large Stokes shift for specific imaging of lipid droplets. <i>Chemical Science</i> , 2017 , 8, 5440-5446	9.4	234
56	Perovskite Solar Cells: Large-Grain Formamidinium PbI ₃ Br _x for High-Performance Perovskite Solar Cells via Intermediate Halide Exchange (Adv. Energy Mater. 12/2017). <i>Advanced Energy Materials</i> , 2017 , 7,	21.8	2
55	Boron Doping of Multiwalled Carbon Nanotubes Significantly Enhances Hole Extraction in Carbon-Based Perovskite Solar Cells. <i>Nano Letters</i> , 2017 , 17, 2496-2505	11.5	138
54	Why Do Simple Molecules with "Isolated" Phenyl Rings Emit Visible Light?. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16264-16272	16.4	130
53	Tuning the A-site cation composition of FA perovskites for efficient and stable NiO-based p-i-n perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21858-21865	13	31
52	Aggregation-Induced Emission Luminogen-Based Direct Visualization of Concentration Gradient Inside an Evaporating Binary Sessile Droplet. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29157-29166	8.5	14
51	Development of benzylidene-methyloxazolone based AIEgens and decipherment of their working mechanism. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7191-7199	7.1	26
50	Circularly polarized luminescence and controllable helical self-assembly of an aggregation-induced emission luminogen. <i>Dyes and Pigments</i> , 2017 , 138, 129-134	4.6	18
49	Evolution of Diffusion Length and Trap State Induced by Chloride in Perovskite Solar Cell. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 21248-21253	3.8	55
48	Click Synthesis, Aggregation-Induced Emission and Chirality, Circularly Polarized Luminescence, and Helical Self-Assembly of a Leucine-Containing Silole. <i>Small</i> , 2016 , 12, 6593-6601	11	44
47	An amorphous precursor route to the conformable oriented crystallization of CH ₃ NH ₃ PbBr ₃ in mesoporous scaffolds: toward efficient and thermally stable carbon-based perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12897-12912	13	63
46	Circularly-Polarized Luminescence (CPL) from Chiral AIE Molecules and Macrostructures. <i>Small</i> , 2016 , 12, 6495-6512	11	170
45	Synthesis, optical properties, and helical self-assembly of a bivaline-containing tetraphenylethene. <i>Scientific Reports</i> , 2016 , 6, 19277	4.9	53
44	Designing nanobowl arrays of mesoporous TiO ₂ as an alternative electron transporting layer for carbon cathode-based perovskite solar cells. <i>Nanoscale</i> , 2016 , 8, 6393-402	7.7	80
43	Pinhole-Free and Surface-Nanostructured NiO _x Film by Room-Temperature Solution Process for High-Performance Flexible Perovskite Solar Cells with Good Stability and Reproducibility. <i>ACS Nano</i> , 2016 , 10, 1503-11	16.7	390

42	Multipolar Effects in the Optical Active Second Harmonic Generation from Sawtooth Chiral Metamaterials. <i>Scientific Reports</i> , 2016 , 6, 22061	4.9	7
41	Effects of a Molecular Monolayer Modification of NiO Nanocrystal Layer Surfaces on Perovskite Crystallization and Interface Contact toward Faster Hole Extraction and Higher Photovoltaic Performance. <i>Advanced Functional Materials</i> , 2016 , 26, 2950-2958	15.6	239
40	Solvent Engineering Boosts the Efficiency of Paintable Carbon-Based Perovskite Solar Cells to Beyond 14%. <i>Advanced Energy Materials</i> , 2016 , 6, 1502087	21.8	262
39	Nanofibers: Click Synthesis, Aggregation-Induced Emission and Chirality, Circularly Polarized Luminescence, and Helical Self-Assembly of a Leucine-Containing Silole (Small 47/2016). <i>Small</i> , 2016 , 12, 6420-6420	11	
38	Aggregation-induced chirality, circularly polarized luminescence, and helical self-assembly of a leucine-containing AIE luminogen. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2399-2404	7.1	96
37	A low temperature gradual annealing scheme for achieving high performance perovskite solar cells with no hysteresis. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14424-14430	13	32
36	Smooth CH ₃ NH ₃ PbI ₃ from controlled solid-gas reaction for photovoltaic applications. <i>RSC Advances</i> , 2015 , 5, 73760-73766	3.7	16
35	Solvent Effect and Two-Photon Optical Properties of Triphenylamine-Based Donor-Acceptor Fluorophores. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27630-27638	3.8	53
34	Light-Emitting Liquid Crystal Displays Based on an Aggregation-Induced Emission Luminogen. <i>Advanced Optical Materials</i> , 2015 , 3, 199-202	8.1	87
33	Nanostructures: A Smooth CH ₃ NH ₃ PbI ₃ Film via a New Approach for Forming the PbI ₂ Nanostructure Together with Strategically High CH ₃ NH ₃ I Concentration for High Efficient Planar-Heterojunction Solar Cells (Adv. Energy Mater. 23/2015). <i>Advanced Energy Materials</i> , 2015 , 5,	21.8	10
32	Mitochondrion-Specific Live-Cell Bioprobe Operated in a Fluorescence Turn-On Manner and a Well-Designed Photoactivatable Mechanism. <i>Advanced Materials</i> , 2015 , 27, 7093-100	24	69
31	A Smooth CH ₃ NH ₃ PbI ₃ Film via a New Approach for Forming the PbI ₂ Nanostructure Together with Strategically High CH ₃ NH ₃ I Concentration for High Efficient Planar-Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2015 , 5, 1501354	21.8	193
30	A Luminescent Nitrogen-Containing Polycyclic Aromatic Hydrocarbon Synthesized by Photocyclodehydrogenation with Unprecedented Regioselectivity. <i>Chemistry - A European Journal</i> , 2015 , 21, 17973-80	4.8	11
29	Insight into the strong aggregation-induced emission of low-conjugated racemic C ₆ -unsubstituted tetrahydropyrimidines through crystal-structure-property relationship of polymorphs. <i>Chemical Science</i> , 2015 , 6, 4690-4697	9.4	49
28	Complexation-induced circular dichroism and circularly polarised luminescence of an aggregation-induced emission luminogen. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 78-83	7.1	62
27	Aggregation Enhancement on Two-Photon Optical Properties of AIE-Active D-TPE-A Molecules. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 26981-26986	3.8	21
26	Effect of Plasma Treatment on Native Defects and Photocatalytic Activities of Zinc Oxide Tetrapods. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 22760-22767	3.8	20
25	L-Valine methyl ester-containing tetraphenylethene: aggregation-induced emission, aggregation-induced circular dichroism, circularly polarized luminescence, and helical self-assembly. <i>Materials Horizons</i> , 2014 , 1, 518-521	14.4	98

24	A tetraphenylethene-substituted pyridinium salt with multiple functionalities: synthesis, stimuli-responsive emission, optical waveguide and specific mitochondrion imaging. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4640	7.1	167
23	Efficient color routing with a dispersion-controlled waveguide array. <i>Light: Science and Applications</i> , 2013 , 2, e52-e52	16.7	17
22	Efficient Light Emitters in the Solid State: Synthesis, Aggregation-Induced Emission, Electroluminescence, and Sensory Properties of Luminogens with Benzene Cores and Multiple Triarylvinyl Peripherals. <i>Advanced Functional Materials</i> , 2012 , 22, 378-389	15.6	189
21	Extraordinary Surface Plasmon Coupled Emission Using Core/Shell Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9259-9264	3.8	34
20	An AIE-active hemicyanine fluorogen with stimuli-responsive red/blue emission: extending the pH sensing range by a switch + knob effect. <i>Chemical Science</i> , 2012 , 3, 1804	9.4	159
19	Hyperbranched conjugated poly(tetraphenylethene): synthesis, aggregation-induced emission, fluorescent photopatterning, optical limiting and explosive detection. <i>Polymer Chemistry</i> , 2012 , 3, 1481	4.9	111
18	What makes efficient circularly polarised luminescence in the condensed phase: aggregation-induced circular dichroism and light emission. <i>Chemical Science</i> , 2012 , 3, 2737	9.4	297
17	Quantifying enhanced photoluminescence in mixed-lanthanide carboxylate polymers: sensitization versus reduction of self-quenching. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8547		26
16	Effect of Native Defects on Photocatalytic Properties of ZnO. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 11095-11101	3.8	209
15	Coherent Beam Combining with Second-Harmonic Generation Optimized with Adaptive Phase Control. <i>IEEE Journal of Quantum Electronics</i> , 2011 , 47, 348-353	2	7
14	Enhancement of spontaneous emission rate and reduction in amplified spontaneous emission threshold in electrodeposited three-dimensional ZnO photonic crystal. <i>Applied Physics Letters</i> , 2010 , 97, 191102	3.4	13
13	Degenerate Two-Beam Phase Conjugation in One-Dimensional ZnS Photonic Crystal With Central Defect Mode. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 781-783	2.2	1
12	A superamplification effect in the detection of explosives by a fluorescent hyperbranched poly(silylenephylene) with aggregation-enhanced emission characteristics. <i>Polymer Chemistry</i> , 2010 , 1, 426-429	4.9	247
11	Two-photon fabrication of photonic crystals by single-beam laser holographic lithography. <i>Journal of Applied Physics</i> , 2010 , 107, 074311	2.5	9
10	Surface-plasmon-enhanced photoluminescence from metal-capped Alq ₃ thin Films. <i>Applied Physics Letters</i> , 2009 , 95, 051503	3.4	17
9	Synthesis, light emission, and photovoltaic properties of perylene-containing polyacetylenes. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 2025-2037	2.5	13
8	Surface and bulk exciton recombination dynamics in GaN freestanding films via one- and two-photon excitations. <i>Journal of Materials Science: Materials in Electronics</i> , 2007 , 18, 453-457	2.1	4
7	Effects of Vertical Molecular Stratifications and Microstructures on the Properties of Fullerene-Free Organic Solar Cells. <i>Advanced Photonics Research</i> , 2100339	1.9	2

6	Intentional Oxidation and Laser Remelting of Highly Reflective Pure Cu for Its High-Quality Additive Manufacturing. <i>Advanced Engineering Materials</i> ,2101138	3.5	1
5	Tuning the Self-Trapped Emission: Reversible Transformation to 0D Copper Clusters Permits Bright Red Emission in Potassium and Rubidium Copper Bromides. <i>ACS Energy Letters</i> ,4383-4389	20.1	3
4	Enhanced Light Emission Performance of Mixed Cation Perovskite Films—The Effect of Solution Stoichiometry on Crystallization. <i>Advanced Optical Materials</i> ,2100393	8.1	1
3	Selective Laser Melting of Cu ₂ O/SnO ₂ :4P: Processing, Microstructure, Properties, and Brief Comparison with Additively Manufactured Cu ₂ O/Sn. <i>Advanced Engineering Materials</i> ,2100716	3.5	1
2	Understanding the Charge Transfer State and Energy Loss Trade-offs in Non-fullerene-Based Organic Solar Cells. <i>ACS Energy Letters</i> ,3408-3416	20.1	13
1	Rapid Synthesis of Bright, Shape-Controlled, Large Single Crystals of Cs ₃ Cu ₂ X ₅ for Phase Pure Single (X=Br, Cl) and Mixed Halides (X=Br/Cl) as the Blue and Green Components for Printable White Light-Emitting Devices. <i>Advanced Materials Interfaces</i> ,2101471	4.6	5