

Yuguang

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.

63

papers

1,585

citations

23

h-index

38

g-index

66

ext. papers

2,262

ext. citations

8.9

avg, IF

5.23

L-index

#	Paper	IF	Citations
63	Room-temperature Ferromagnetism in Perylene Diimide Organic Semiconductor.. <i>Advanced Materials</i> , 2022 , e2108103	24	6
62	Multicolor Fluorescence based on Excitation-Dependent Electron Transfer Processes in o-Carborane Dyads.. <i>Angewandte Chemie - International Edition</i> , 2022 , e202115551	16.4	3
61	Solid experimental evidence for reverse intersystem crossing from high-lying triplet states: A case study on hot exciton mechanism in OLEDs. <i>Applied Physics Letters</i> , 2022 , 120, 083501	3.4	
60	Electrocleavage Synthesis of Solution-Processed, Imine-Linked, and Crystalline Covalent Organic Framework Thin Films.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	6
59	Electrochemical Deposition of a Single-Crystalline Nanorod Polycyclic Aromatic Hydrocarbon Film with Efficient Charge and Exciton Transport.. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	3
58	Enhanced Long-Term Stability of Organic Electrode Materials by a Trap Filler Strategy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49936-49941	9.5	0
57	Recent progress in hot exciton materials for organic light-emitting diodes. <i>Chemical Society Reviews</i> , 2021 , 50, 1030-1069	58.5	118
56	Narrowband Emission from Organic Fluorescent Emitters with Dominant Low-Frequency Vibronic Coupling. <i>Advanced Optical Materials</i> , 2021 , 9, 2001845	8.1	31
55	Electrochemical Synthesis, Deposition, and Doping of Polycyclic Aromatic Hydrocarbon Films. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2682-2687	16.4	14
54	Lamellar Organic Light-Emitting Crystals Exhibiting Spectral Gain and 3.6% External Quantum Efficiency in Transistors 2021 , 3, 428-432		9
53	Wearable Thermoelectric Materials and Devices for Self-Powered Electronic Systems. <i>Advanced Materials</i> , 2021 , 33, e2102990	24	49
52	Electrochemical polymerization: an emerging approach for fabricating high-quality luminescent films and super-resolution OLEDs. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5310-5320	7.1	11
51	Light-Up Lipid Droplets Dynamic Behaviors Using a Red-Emitting Fluorogenic Probe. <i>Analytical Chemistry</i> , 2020 , 92, 3613-3619	7.8	46
50	Solvation-Dependent Excited-State Dynamics of Donor-Acceptor Molecules with Hybridized Local and Charge Transfer Character. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5574-5582	3.8	21
49	Introduction of Siloxane-Terminated Side Chains into Semiconducting Polymers To Tune Phase Separation with Nonfullerene Acceptor for Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4659-4672	9.5	31
48	Surface passivation via acid vapor etching enables efficient and stable solution-processed CdTe nanocrystal solar cells. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 399-406	5.8	7
47	Organic single crystals of cyano-substituted -phenylene vinylene derivatives as transistors with low surface trap density. <i>Chemical Communications</i> , 2020 , 56, 13776-13779	5.8	3

46	Efficient Organic Light-Emitting Transistors Based on High-Quality Ambipolar Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43976-43983	9.5	17
45	High Thermoelectric Performance in n-Type Perylene Bisimide Induced by the Soret Effect. <i>Advanced Materials</i> , 2020 , 32, e2002752	24	28
44	A highly soluble, crystalline covalent organic framework compatible with device implementation. <i>Chemical Science</i> , 2019 , 10, 1023-1028	9.4	102
43	Effect of side chains on color purities of mono-triphenylamine-functionalized polyspirobifluorenes for pure blue polymer light-emitting diodes. <i>Polymer Chemistry</i> , 2019 , 10, 494-502	4.9	4
42	Highly Efficient Blue Fluorescent OLEDs Based on Upper Level Triplet-Singlet Intersystem Crossing. <i>Advanced Materials</i> , 2019 , 31, e1807388	24	168
41	Novel 9,9-dimethylfluorene-bridged D _A -type fluorophores with a hybridized local and charge-transfer excited state for deep-blue electroluminescence with CIE _y ~ 0.05. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 592-600	7.1	57
40	Low Optical Loss Amplified Spontaneous Emission and Lasing in a Solution-Processed Organic Semiconductor. <i>Advanced Optical Materials</i> , 2019 , 7, 1900701	8.1	8
39	Highly Efficient Orange-Red/Red Excimer Fluorescence from Dimeric π -Stacking of Perylene and Its Nanoparticle Applications. <i>Journal of Physical Chemistry C</i> , 2019 ,	3.8	33
38	Ultrahigh photosensitive organic phototransistors by photoelectric dual control. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4725-4732	7.1	13
37	Enhanced π Conjugation and Donor/Acceptor Interactions in D-A-D Type Emitter for Highly Efficient Near-Infrared Organic Light-Emitting Diodes with an Emission Peak at 840 nm. <i>Chemistry of Materials</i> , 2019 , 31, 6499-6505	9.6	39
36	A bipolar triphenylamine-dibenzothiophene S,S-dioxide hybrid compound for solution-processable single-layer green OLEDs and as a host for red emitters. <i>New Journal of Chemistry</i> , 2019 , 43, 6721-6727	3.6	6
35	Synergistic effects of hydrogen bonds and the hybridized excited state observed for high-efficiency, deep-blue fluorescent emitters with narrow emission in OLED applications. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5461-5467	7.1	34
34	Stable High-Energy Excited States Observed in a Conjugated Molecule with Hindered Internal Conversion Processes. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6190-6196	3.8	6
33	Efficient Deep-Blue Fluorescent OLEDs with a High Exciton Utilization Efficiency from a Fully Twisted Phenanthroimidazole-Anthracene Emitter. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31139-31146	9.5	47
32	Molecular base and interfacial enrichment of chain entangle in amorphous conjugated polymers: Role of racemic alkyl side groups. <i>Organic Electronics</i> , 2019 , 75, 105343	3.5	2
31	Fine Modulation of the Higher-Order Excitonic States toward More Efficient Conversion from Upper-Level Triplet to Singlet. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6878-6884	6.4	44
30	Polarized Species in an Organic Semiconductor Laser. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 7905-7909	6.4	2
29	Size and Shape Effect of Gold Nanoparticles in Bar-Field π -Surface Plasmon Resonance. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1800077	3.1	20

28	Red emitting conjugated polymer based nanophotosensitizers for selectively targeted two-photon excitation imaging guided photodynamic therapy. <i>Nanoscale</i> , 2018 , 11, 185-192	7.7	18
27	Anomalous Effect of Intramolecular Charge Transfer on the Light Emitting Properties of BODIPY. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14956-14965	9.5	32
26	Spontaneous Interfacial Dipole Orientation Effect of Acetic Acid Solubilized PFN. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10270-10279	9.5	15
25	Construction of Layered Structure of Anion-Cations To Tune the Work Function of Aluminum-Doped Zinc Oxide for Inverted Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10513-10519	9.5	12
24	Magic-Angle Stacking and Strong Intermolecular π - π Interaction in a Perylene Bisimide Crystal: An Approach for Efficient Near-Infrared (NIR) Emission and High Electron Mobility. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 596-600	6.4	27
23	Photoconductive Cathode Interlayer for Enhanced Electron Injection in Inverted Polymer Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11377-11381	9.5	11
22	Theoretical investigation of the effects of various substituents on the large energy gap between triplet excited-states of anthracene.. <i>RSC Advances</i> , 2018 , 8, 27979-27987	3.7	4
21	Enhanced performances of planar heterojunction organic light-emitting diodes via diluting an n-type transporter into a carbazole-based matrix. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 29-35	7.1	5
20	Construction of J-type aggregates as multi-functional interlayers for nonfullerene polymer solar cells. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 3324-3330	5.2	5
19	Polymer-Assisted In Situ Growth of All-Inorganic Perovskite Nanocrystal Film for Efficient and Stable Pure-Red Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42564-42572	9.5	62
18	Chlorine Atom-Induced Molecular Interlocked Network in a Non-Fullerene Acceptor. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39992-40000	9.5	86
17	Lateral Polymer Photodetectors Using Silver Nanoparticles Promoted PffBT4T-2OD:PC61BM Composite. <i>ACS Photonics</i> , 2018 , 5, 4650-4659	6.3	15
16	Multichloro-Substitution Strategy: Facing Low Photon Energy Loss in Nonfullerene Solar Cells. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6549-6559	6.1	28
15	TFT-Directed Electroplating of RGB Luminescent Films without a Vacuum or Mask toward a Full-Color AMOLED Pixel Matrix. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17519-17525	9.5	18
14	Conjugated ionic state and its distribution in perylene bisimide doped film: A characterization of Z-scanning in confocal Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 201, 258-266	4.4	1
13	An Au NP doped buffer layer in a slab waveguide for enhancement of organic amplified spontaneous emission. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1356-1362	7.1	2
12	Conformation pre-organization in fluorene-based conjugated polymer for simultaneous enhancement of luminescence and charge mobility. <i>Polymer Chemistry</i> , 2017 , 8, 1255-1262	4.9	9
11	Layer-by-Layer-Processed Ternary Organic Solar Cells Using Perylene Bisimide as a Morphology-Inducing Component. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 17265-17270	9.5	19

10	Theoretical investigation of high-efficiency organic electroluminescent material: HLCT state and hot exciton process. <i>RSC Advances</i> , 2017 , 7, 19576-19583	3.7	24
9	Donor-Node-Acceptor Polymer with Excellent n-Doped State for High-Performance Ambipolar Flexible Supercapacitors. <i>Macromolecules</i> , 2017 , 50, 3565-3572	5.5	23
8	Light-activated electric bistability for evaporated silver nanoparticles in organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 17653-17660	3.6	8
7	Computational investigation on the large energy gap between the triplet excited-states in acenes. <i>RSC Advances</i> , 2017 , 7, 26697-26703	3.7	8
6	Engineering the excited-state properties of purely organic intramolecular and intermolecular charge transfer emitters towards high-performance fluorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10991-11000	7.1	11
5	Enhancing Fluorescence of Naphthalimide Derivatives by Suppressing the Intersystem Crossing. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 23218-23223	3.8	13
4	Pyridal[2,1,3]thiadiazole as strong electron-withdrawing and less sterically-hindered acceptor for highly efficient donor-acceptor type NIR materials. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11053-11058	7.1	15
3	Improved quality of electrochemically polymerized luminescent films on Au-nanoparticle modified electrodes: Au-nanoparticle induced interfacial nucleation and fast electron transfer. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11798-11805	7.1	3
2	Low band gap conjugated polymers combining siloxane-terminated side chains and alkyl side chains: side-chain engineering achieving a large active layer processing window for PCE > 10% in polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17619-17631	13	91
1	Highly efficient luminescent E- and Z-isomers with stable configurations under photoirradiation induced by their charge transfer excited states. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8097-8104	7.1	30