

# Yuguang

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

3,004  
citations

185998

28  
h-index

174990

52  
g-index

66  
all docs

66  
docs citations

66  
times ranked

3344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in hot exciton materials for organic light-emitting diodes. <i>Chemical Society Reviews</i> , 2021, 50, 1030-1069.	18.7	353
2	Highly Efficient Blue Fluorescent OLEDs Based on Upper Level Triplet-Singlet Intersystem Crossing. <i>Advanced Materials</i> , 2019, 31, e1807388.	11.1	288
3	Wearable Thermoelectric Materials and Devices for Self-Powered Electronic Systems. <i>Advanced Materials</i> , 2021, 33, e2102990.	11.1	221
4	A highly soluble, crystalline covalent organic framework compatible with device implementation. <i>Chemical Science</i> , 2019, 10, 1023-1028.	3.7	173
5	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.	5.2	116
6	Chlorine Atom-Induced Molecular Interlocked Network in a Non-Fullerene Acceptor. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39992-40000.	4.0	113
7	Light-Up Lipid Droplets Dynamic Behaviors Using a Red-Emitting Fluorogenic Probe. <i>Analytical Chemistry</i> , 2020, 92, 3613-3619.	3.2	104
8	Narrowband Emission from Organic Fluorescent Emitters with Dominant Low-Frequency Vibronic Coupling. <i>Advanced Optical Materials</i> , 2021, 9, 2001845.	3.6	98
9	Novel 9,9-dimethylfluorene-bridged D-A-type fluorophores with a hybridized local and charge-transfer excited state for deep-blue electroluminescence with CIE > 0.05. <i>Journal of Materials Chemistry C</i> , 2019, 7, 592-600.	2.7	88
10	Polymer-Assisted In Situ Growth of All-Inorganic Perovskite Nanocrystal Film for Efficient and Stable Pure-Red Light-Emitting Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 42564-42572.	4.0	86
11	Efficient Deep-Blue Fluorescent OLEDs with a High Exciton Utilization Efficiency from a Fully Twisted Phenanthroimidazole-Anthracene Emitter. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31139-31146.	4.0	78
12	Enhanced Pi 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.	3.2	68
13	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.	2.1	67
14	Anomalous Effect of Intramolecular Charge Transfer on the Light Emitting Properties of BODIPY. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 14956-14965.	4.0	55
15	Highly Efficient Orange-Red/Red Excimer Fluorescence from Dimeric $\pi$ - $\pi$ Stacking of Perylene and Its Nanoparticle Applications. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13047-13056.	1.5	53
16	High Thermoelectric Performance in n-Type Perylene Bisimide Induced by the Soret Effect. <i>Advanced Materials</i> , 2020, 32, e2002752.	11.1	53
17	Introduction of Siloxane-Terminated Side Chains into Semiconducting Polymers To Tune Phase Separation with Nonfullerene Acceptor for Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 4659-4672.	4.0	52
18	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.	2.7	51

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19	Theoretical investigation of high-efficiency organic electroluminescent material: HLCT state and hot exciton process. <i>RSC Advances</i> , 2017, 7, 19576-19583.	1.7	48
20	Electrocleavage Synthesis of Solution-Processed, Imine-Linked, and Crystalline Covalent Organic Framework Thin Films. <i>Journal of the American Chemical Society</i> , 2022, 144, 8961-8968.	6.6	48
21	Donor-Node-Acceptor Polymer with Excellent n-Doped State for High-Performance Ambipolar Flexible Supercapacitors. <i>Macromolecules</i> , 2017, 50, 3565-3572.	2.2	43
22	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.	2.7	40
23	Multichloro-Substitution Strategy: Facing Low Photon Energy Loss in Nonfullerene Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 6549-6559.	2.5	39
24	Magic-Angle Stacking and Strong Intermolecular $\pi$ - $\pi$ 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.	2.1	37
25	Efficient Organic Light-Emitting Transistors Based on High-Quality Ambipolar Single Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 43976-43983.	4.0	36
26	Size and Shape Effect of Gold Nanoparticles in $\omega$ -Far-Field-Surface Plasmon Resonance. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800077.	1.2	34
27	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.	1.5	33
28	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.	2.7	32
29	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.	2.7	30
30	Electrochemical Synthesis, Deposition, and Doping of Polycyclic Aromatic Hydrocarbon Films. <i>Journal of the American Chemical Society</i> , 2021, 143, 2682-2687.	6.6	30
31	Room-Temperature Ferromagnetism in Perylene Diimide Organic Semiconductor. <i>Advanced Materials</i> , 2022, 34, e2108103.	11.1	28
32	Computational investigation on the large energy gap between the triplet excited-states in acenes. <i>RSC Advances</i> , 2017, 7, 26697-26703.	1.7	26
33	Multicolour Fluorescence Based on Excitation-Dependent Electron Transfer Processes in <i>C</i> -Carborane Dyads. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115551.	7.2	26
34	TFT-Directed Electroplating of RGB Luminescent Films without a Vacuum or Mask toward a Full-Color AMOLED Pixel Matrix. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17519-17525.	4.0	22
35	Ultrahigh photosensitive organic phototransistors by photoelectric dual control. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4725-4732.	2.7	22
36	Layer-by-Layer-Processed Ternary Organic Solar Cells Using Perylene Bisimide as a Morphology-Inducing Component. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 17265-17270.	4.0	21

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37	Lateral Polymer Photodetectors Using Silver Nanoparticles Promoted PffBT4T-2OD:PC61BM Composite. ACS Photonics, 2018, 5, 4650-4659.	3.2	20
38	Lamellar Organic Light-Emitting Crystals Exhibiting Spectral Gain and 3.6% External Quantum Efficiency in Transistors. , 2021, 3, 428-432.		20
39	Red emitting conjugated polymer based nanophotosensitizers for selectively targeted two-photon excitation imaging guided photodynamic therapy. Nanoscale, 2019, 11, 185-192.	2.8	19
40	Enhancing Fluorescence of Naphthalimide Derivatives by Suppressing the Intersystem Crossing. Journal of Physical Chemistry C, 2017, 121, 23218-23223.	1.5	18
41	Spontaneous Interfacial Dipole Orientation Effect of Acetic Acid Solubilized PFN. ACS Applied Materials & Interfaces, 2018, 10, 10270-10279.	4.0	18
42	Construction of Layered Structure of Anion-Cations To Tune the Work Function of Aluminum-Doped Zinc Oxide for Inverted Polymer Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 10513-10519.	4.0	16
43	Engineering the excited-state properties of purely organic intramolecular and intermolecular charge transfer emitters towards high-performance fluorescent OLEDs. Journal of Materials Chemistry C, 2017, 5, 10991-11000.	2.7	14
44	Electrochemical Deposition of a Single-Crystalline Nanorod Polycyclic Aromatic Hydrocarbon Film with Efficient Charge and Exciton Transport. Angewandte Chemie - International Edition, 2022, 61, .	7.2	14
45	Photoconductive Cathode Interlayer for Enhanced Electron Injection in Inverted Polymer Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 11377-11381.	4.0	13
46	Low Optical Loss Amplified Spontaneous Emission and Lasing in a Solution-Processed Organic Semiconductor. Advanced Optical Materials, 2019, 7, 1900701.	3.6	11
47	Stable High-Energy Excited States Observed in a Conjugated Molecule with Hindered Internal Conversion Processes. Journal of Physical Chemistry C, 2019, 123, 6190-6196.	1.5	11
48	Conformation pre-organization in fluorene-based conjugated polymer for simultaneous enhancement of luminescence and charge mobility. Polymer Chemistry, 2017, 8, 1255-1262.	1.9	10
49	Theoretical investigation of the effects of various substituents on the large energy gap between triplet excited-states of anthracene. RSC Advances, 2018, 8, 27979-27987.	1.7	10
50	Surface passivation via acid vapor etching enables efficient and stable solution-processed CdTe nanocrystal solar cells. Sustainable Energy and Fuels, 2020, 4, 399-406.	2.5	10
51	Multicolour Fluorescence Based on Excitation-Dependent Electron Transfer Processes in o-Carborane Dyads. Angewandte Chemie, 0, , .	1.6	10
52	Light-activated electric bistability for evaporated silver nanoparticles in organic field-effect transistors. Physical Chemistry Chemical Physics, 2017, 19, 17653-17660.	1.3	9
53	Narrow-Band Orange-Red Emission Organic Luminophore with Dominant Low-Frequency Vibronic Coupling. Energy & Fuels, 2021, 35, 19139-19145.	2.5	9
54	A bipolar triphenylamine-dibenzothiophene S <sub>2</sub> S <sub>2</sub> -dioxide hybrid compound for solution-processable single-layer green OLEDs and as a host for red emitters. New Journal of Chemistry, 2019, 43, 6721-6727.	1.4	8

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55	Organic single crystals of cyano-substituted p-phenylene vinylene derivatives as transistors with low surface trap density. <i>Chemical Communications</i> , 2020, 56, 13776-13779.	2.2	8
56	Construction of J-type aggregates as multi-functional interlayers for nonfullerene polymer solar cells. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3324-3330.	2.3	7
57	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.	1.9	7
58	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.	2.7	5
59	Polarized Species in an Organic Semiconductor Laser. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7905-7909.	2.1	5
60	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.	2.7	5
61	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.	2.7	4
62	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.	2.0	3
63	Electrochemical Deposition of a Single-Crystalline Nanorod Polycyclic Aromatic Hydrocarbon Film with Efficient Charge and Exciton Transport. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
64	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.	1.4	2
65	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.	1.5	2
66	Enhanced Long-Term Stability of Organic Electrode Materials by a Trap Filler Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 49936-49941.	4.0	1