

Cheng Gu

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.

74
papers

3,661
citations

31
h-index

60
g-index

77
ext. papers

4,315
ext. citations

10.5
avg, IF

5.31
L-index

#	Paper	IF	Citations
74	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
73	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
72	Highly sensitive detecting system to precisely evaluate the emission spectra and quantum efficiency of organic crystal light-emitting transistors. <i>Optics Letters</i> , 2021 , 46, 3296-3299	3	0
71	Large Titanium-Oxo Clusters as Precursors to Synthesize the Single Crystals of Ti-MOFs 2021 , 3, 64-68		20
70	Construction of unimpeded proton-conducting pathways in solution-processed nanoporous polymer membranes. <i>Materials Horizons</i> , 2021 , 8, 3088-3095	14.4	4
69	Highly efficient photocatalytic hydrogen evolution based on conjugated molecular micro/nano-crystalline sheets. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 2120-2125	13	3
68	Dihydrophenazine linked porous organic polymers for high capacitance and energy density pseudocapacitive electrodes and devices. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 4984-4989	13	4
67	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
66	Characterization of complicated electropolymerization using UV-vis spectroelectrochemistry and an electrochemical quartz-crystal microbalance with dissipation: A case study of tricarbazole derivatives. <i>Electrochemistry Communications</i> , 2021 , 123, 106913	5.1	5
65	Lamellar Organic Light-Emitting Crystals Exhibiting Spectral Gain and 3.6% External Quantum Efficiency in Transistors 2021 , 3, 428-432		9
64	Design of Persistent and Stable Porous Radical Polymers by Electronic Isolation Strategy. <i>Angewandte Chemie</i> , 2021 , 133, 24629	3.6	0
63	Design of Persistent and Stable Porous Radical Polymers by Electronic Isolation Strategy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24424-24429	16.4	4
62	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
61	Suppressing charge trapping effect in ambipolar conducting polymer with vertically standing graphene as the composite electrode for high performance supercapacitor. <i>Energy Storage Materials</i> , 2020 , 29, 281-286	19.4	11
60	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
59	Crystalline and Stable Benzofuran-Linked Covalent Organic Frameworks from Irreversible Cascade Reactions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13316-13321	16.4	32
58	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

57	Accurately Stoichiometric Regulating Oxidation States in Hole Transporting Material to Enhance the Hole Mobility of Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000127	7.1	4
56	A highly soluble, crystalline covalent organic framework compatible with device implementation. <i>Chemical Science</i> , 2019 , 10, 1023-1028	9.4	102
55	Design and control of gas diffusion process in a nanoporous soft crystal. <i>Science</i> , 2019 , 363, 387-391	33.3	177
54	Thiophene Disubstituted Benzothiadiazole Derivatives: An Effective Planarization Strategy Toward Deep-Red to Near-Infrared (NIR) Organic Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2019 , 7, 276	5	19
53	Electropolymerization of Molecular-Sieving Polythiophene Membranes for H ₂ Separation. <i>Angewandte Chemie</i> , 2019 , 131, 8860-8864	3.6	13
52	Electropolymerization of Molecular-Sieving Polythiophene Membranes for H Separation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8768-8772	16.4	23
51	Insight into the Efficiency and Stability of All-Polymer Solar Cells Based on Two 2D-Conjugated Polymer Donors: Achieving High Fill Factor of 78. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43433-43440	9.5	16
50	Highly Efficient Nondoped Near-Ultraviolet Electroluminescence with an External Quantum Efficiency Greater Than 6.5% Based on a Carbazole-Triazole Hybrid Molecule with High and Balanced Charge Mobility. <i>Advanced Optical Materials</i> , 2017 , 5, 1700747	8.1	45
49	In situ synthesis of electroactive conjugated microporous fullerene films capable of supercapacitive energy storage. <i>Chemical Communications</i> , 2017 , 53, 9602-9605	5.8	7
48	Porous Organic Polymer Films with Tunable Work Functions and Selective Hole and Electron Flows for Energy Conversions. <i>Angewandte Chemie</i> , 2016 , 128, 3101-3105	3.6	22
47	Porous Organic Polymer Films with Tunable Work Functions and Selective Hole and Electron Flows for Energy Conversions. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3049-53	16.4	95
46	Luminescent Porous Polymers Based on Aggregation-Induced Mechanism: Design, Synthesis and Functions. <i>Small</i> , 2016 , 12, 6513-6527	11	84
45	High performance, flexible, poly(3,4-ethylenedioxythiophene) supercapacitors achieved by doping redox mediators in organogel electrolytes. <i>Journal of Power Sources</i> , 2016 , 332, 413-419	8.9	30
44	Radical covalent organic frameworks: a general strategy to immobilize open-accessible polyradicals for high-performance capacitive energy storage. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6814-8	16.4	283
43	Electropolymerized Conjugated Microporous Poly(zinc-porphyrin) Films as Potential Electrode Materials in Supercapacitors. <i>Advanced Energy Materials</i> , 2015 , 5, 1402175	21.8	96
42	Fully solution-processed and multilayer blue organic light-emitting diodes based on efficient small molecule emissive layer and intergrated interlayer optimization. <i>Organic Electronics</i> , 2015 , 27, 35-40	3.5	24
41	Design of Highly Photofunctional Porous Polymer Films with Controlled Thickness and Prominent Microporosity. <i>Angewandte Chemie</i> , 2015 , 127, 11702-11706	3.6	21
40	Conjugated Microporous Polymer Films: Designed Synthesis, Conducting Properties, and Photoenergy Conversions. <i>Angewandte Chemie</i> , 2015 , 127, 13798-13802	3.6	40

39	Design of Highly Photofunctional Porous Polymer Films with Controlled Thickness and Prominent Microporosity. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11540-4	16.4	120
38	Conjugated Microporous Polymer Films: Designed Synthesis, Conducting Properties, and Photoenergy Conversions. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13594-8	16.4	151
37	Cascade exciton-pumping engines with manipulated speed and efficiency in light-harvesting porous network films. <i>Scientific Reports</i> , 2015 , 5, 8867	4.9	35
36	Achieving a Significantly Increased Efficiency in Nondoped Pure Blue Fluorescent OLED: A Quasi-Equivalent Hybridized Excited State. <i>Advanced Functional Materials</i> , 2015 , 25, 1755-1762	15.6	304
35	Achieving High Efficiency of PTB7-Based Polymer Solar Cells via Integrated Optimization of Both Anode and Cathode Interlayers. <i>Advanced Energy Materials</i> , 2014 , 4, 1301771	21.8	92
34	High Yields of Singlet Excitons in Organic Electroluminescence through Two Paths of Cold and Hot Excitons. <i>Advanced Optical Materials</i> , 2014 , 2, 510-515	8.1	157
33	Controlled Synthesis of Conjugated Microporous Polymer Films: Versatile Platforms for Highly Sensitive and Label-Free Chemo- and Biosensing. <i>Angewandte Chemie</i> , 2014 , 126, 4950-4955	3.6	51
32	Controlled synthesis of conjugated microporous polymer films: versatile platforms for highly sensitive and label-free chemo- and biosensing. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4850-5	16.4	229
31	Electrochemical synthesis of transparent, amorphous, C-rich, photoactive, and low-doped film with an interconnected structure. <i>Small</i> , 2013 , 9, 2064-8	11	19
30	Mechanochromic and thermochromic fluorescent properties of cyanostilbene derivatives. <i>Dyes and Pigments</i> , 2013 , 98, 486-492	4.6	63
29	Mixed bipolar fluorescent small molecules for solution processable white light-emitting devices with excellent efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7175	7.1	5
28	Cross-linked luminescent films via electropolymerization of multifunctional precursors for highly efficient electroluminescence. <i>Polymer Chemistry</i> , 2013 , 4, 2090	4.9	14
27	Aromatic S-Heterocycle and Fluorene Derivatives as Solution-Processed Blue Fluorescent Emitters: Structure-Property Relationships for Different Sulfur Oxidation States. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 14189-14196	3.8	40
26	Electrochemical route to fabricate film-like conjugated microporous polymers and application for organic electronics. <i>Advanced Materials</i> , 2013 , 25, 3443-8	24	179
25	Chemistry and materials based on 5,5'-bibenzo[c][1,2,5]thiadiazole. <i>Chemical Communications</i> , 2013 , 49, 5730-2	5.8	18
24	A triphenylamine-capped solution-processable wholly aromatic organic molecule with electrochemical stability and its potential application in photovoltaic devices. <i>New Journal of Chemistry</i> , 2013 , 37, 2440	3.6	22
23	Highly Efficient and Fully Solution-Processed White Electroluminescence Based on Fluorescent Small Molecules and a Polar Conjugated Polymer as the Electron-Injection Material. <i>Advanced Functional Materials</i> , 2012 , 22, 1092-1097	15.6	37
22	Simultaneous enhancement of the carrier mobility and luminous efficiency through thermal annealing a molecular glass material and device. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21502		11

21	Study of Phase and Chains Aggregation Degrees in Poly(9,9-dioctylfluorene) (PFO) Solution. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7993-7999	3.8	57
20	In situ electrochemical deposition and doping of C60 films applied to high-performance inverted organic photovoltaics. <i>Advanced Materials</i> , 2012 , 24, 5727-31	24	60
19	Cross-linked multifunctional conjugated polymers prepared by in situ electrochemical deposition for a highly-efficient blue-emitting and electron-transport layer. <i>Advanced Materials</i> , 2012 , 24, 2413-7	24	49
18	Synthesis and characterization of new polyfluorene derivatives: using phenanthro[9,10-d]imidazole group as a building block for deep blue light-emitting polymer. <i>Polymer Bulletin</i> , 2012 , 69, 273-289	2.4	12
17	A solution-processable deep red molecular emitter for non-doped organic red-light-emitting diodes. <i>Dyes and Pigments</i> , 2011 , 91, 356-363	4.6	41
16	Functionality of peripheral side chain for enhanced performance of conjugated polymer P8BT as an example. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 4549-4555	2.5	15
15	Controllable optical, electrical, and morphologic properties of 3,4-ethylenedioxythiophene based electrocopolymerization films. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1014-9	4.8	11
14	Electroactive Self-Assembled Monolayers for Enhanced Efficiency and Stability of Electropolymerized Luminescent Films and Devices. <i>Advanced Functional Materials</i> , 2011 , 21, 2896-2900	15.6	23
13	Multilayer polymer stacking by in situ electrochemical polymerization for color-stable white electroluminescence. <i>Advanced Materials</i> , 2011 , 23, 527-30	24	63
12	Highly-efficient solution-processed OLEDs based on new bipolar emitters. <i>Chemical Communications</i> , 2010 , 46, 3923-5	5.8	62
11	Color-stable white electroluminescence based on a cross-linked network film prepared by electrochemical copolymerization. <i>Advanced Materials</i> , 2010 , 22, 2702-5	24	70
10	Electrochemical polymerization films for highly efficient electroluminescent devices and RGB color pixel. <i>Electrochemistry Communications</i> , 2010 , 12, 553-556	5.1	30
9	Almost completely dedoped electrochemically deposited luminescent films exhibiting excellent LED performance. <i>Electrochimica Acta</i> , 2009 , 54, 7006-7011	6.7	27
8	A new kind of peripheral carbazole substituted ruthenium(II) complexes for electrochemical deposition organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3941		35
7	Synthesis and electrochemical properties of peripheral carbazole functional Ter(9,9-spirobifluorene)s. <i>Journal of Organic Chemistry</i> , 2008 , 73, 4212-8	4.2	30
6	The origin of the improved efficiency and stability of triphenylamine-substituted anthracene derivatives for OLEDs: a theoretical investigation. <i>ChemPhysChem</i> , 2008 , 9, 2601-9	3.2	84
5	A Molecular Glass for Deep-Blue Organic Light-Emitting Diodes Comprising a 9,9'-Spirobifluorene Core and Peripheral Carbazole Groups. <i>Advanced Functional Materials</i> , 2007 , 17, 2869-2877	15.6	169
4	Decorating Covalent Organic Frameworks with High-density Chelate Groups for Uranium Extraction. <i>Chemical Research in Chinese Universities</i> , 1	2.2	1

3	Triazine and Porphyrin-Based Cross-Linked Conjugated Polymers: Protonation-Assisted Dissolution and Thermoelectric Properties. <i>CCS Chemistry</i> ,2688-2695	7.2	3
2	Hybridization of Emerging Crystalline Porous Materials: Synthesis Dimensionality and Electrochemical Energy Storage Application. <i>Advanced Energy Materials</i> ,2100321	21.8	11
1	Design of Photothermal Covalent Organic Frameworks by Radical Immobilization. <i>CCS Chemistry</i> ,1-28	7.2	6