

Qian Liu

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.

72
papers

2,337
citations

24
h-index

47
g-index

86
ext. papers

3,410
ext. citations

10.5
avg, IF

5.28
L-index

#	Paper	IF	Citations
72	Modulating the C-terminus of DEP1 synergistically enhances grain quality and yield in rice.. <i>Journal of Genetics and Genomics</i> , 2022 ,	4	0
71	Topochemical Synthesis of Copper Phosphide Nanoribbons for Flexible Optoelectronic Memristors (Adv. Funct. Mater. 14/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270087	15.6	
70	Organic Electrochemical Transistors for In Vivo Bioelectronics. <i>Advanced Materials</i> , 2021 , 33, e2101874	24	17
69	Novel Co-Doped Y2GeO5:Pr3+,Tb3+: Deep Trap Level Formation and Analog Binary Optical Storage with Submicron Information Points. <i>Advanced Optical Materials</i> , 2021 , 9, 2002090	8.1	5
68	Green Revolution DELLAs: From translational reinitiation to future sustainable agriculture. <i>Molecular Plant</i> , 2021 , 14, 547-549	14.4	0
67	Energy-Level Manipulation in Novel Indacenodithiophene-Based Donor-Acceptor Polymers for Near-Infrared Organic Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29866-29875	9.5	5
66	Enhancing the Electrochemical Doping Efficiency in Diketopyrrolopyrrole-Based Polymer for Organic Electrochemical Transistors. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000701	6.4	19
65	Short Alkyl Chain Engineering Modulation on Naphthalene Flanked Diketopyrrolopyrrole toward High-Performance Single Crystal Transistors and Organic Thin Film Displays. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000804	6.4	11
64	Tin oxide for optoelectronic, photovoltaic and energy storage devices: a review. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 16621-16684	13	21
63	Emerging roles of centromeric RNAs in centromere formation and function. <i>Genes and Genomics</i> , 2021 , 43, 217-226	2.1	4
62	Genome-wide mapping reveals R-loops associated with centromeric repeats in maize. <i>Genome Research</i> , 2021 , 31, 1409-1418	9.7	5
61	Black Phosphorus Diketopyrrolopyrrole Polymer Semiconductor Hybrid for Enhanced Charge Transfer and Photodetection. <i>Advanced Photonics Research</i> , 2021 , 2100150	1.9	0
60	Structural Geometry Variation of 1,4-Naphthalene-Based Co-Polymers to Tune the Device Performance of PVK-Host-Based OLEDs. <i>Polymers</i> , 2021 , 13,	4.5	1
59	Organic Electrochemical Transistors for In Vivo Bioelectronics (Adv. Mater. 49/2021). <i>Advanced Materials</i> , 2021 , 33, 2170387	24	1
58	Diketopyrrolopyrrole-Based Dual-Acceptor Copolymers to Realize Tunable Charge Carrier Polarity of Organic Field-Effect Transistors and High-Performance Nonvolatile Ambipolar Flash Memories. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 1609-1618	4	9
57	Organic field-effect transistor-based flexible sensors. <i>Chemical Society Reviews</i> , 2020 , 49, 3423-3460	58.5	113
56	Crystalline Red Phosphorus Nanoribbons: Large-Scale Synthesis and Electrochemical Nitrogen Fixation. <i>Angewandte Chemie</i> , 2020 , 132, 14489-14493	3.6	1

55	Synergistic Use of Pyridine and Selenophene in a Diketopyrrolopyrrole-Based Conjugated Polymer Enhances the Electron Mobility in Organic Transistors. <i>Advanced Functional Materials</i> , 2020 , 30, 2000489	15.6	20
54	Photoelectrochemical Ammonia Synthesis: Photoelectrochemical Synthesis of Ammonia with Black Phosphorus (Adv. Funct. Mater. 24/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070156	15.6	1
53	Crystalline Red Phosphorus Nanoribbons: Large-Scale Synthesis and Electrochemical Nitrogen Fixation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14383-14387	16.4	35
52	Triethylene Glycol Substituted Diketopyrrolopyrrole- and Isoindigo-Dye Based Donor-Acceptor Copolymers for Organic Light-Emitting Electrochemical Cells and Transistors. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901414	6.4	11
51	Biodegradable Materials and Green Processing for Green Electronics. <i>Advanced Materials</i> , 2020 , 32, e2001591	15.91	71
50	Enhanced sustainable green revolution yield via nitrogen-responsive chromatin modulation in rice. <i>Science</i> , 2020 , 367,	33.3	87
49	Photoelectrochemical Synthesis of Ammonia with Black Phosphorus. <i>Advanced Functional Materials</i> , 2020 , 30, 2002731	15.6	38
48	Versatile nature of anthanthrone based polymers as active multifunctional semiconductors for various organic electronic devices. <i>Materials Advances</i> , 2020 , 1, 3428-3438	3.3	3
47	The electrical, thermal, and thermoelectric properties of black phosphorus. <i>APL Materials</i> , 2020 , 8, 1209037	9.7	5
46	Tuning the Charge Carrier Polarity of Organic Transistors by Varying the Electron Affinity of the Flanked Units in Diketopyrrolopyrrole-Based Copolymers. <i>Advanced Functional Materials</i> , 2020 , 30, 1907452	15.6	27
45	Developments of Diketopyrrolopyrrole-Dye-Based Organic Semiconductors for a Wide Range of Applications in Electronics. <i>Advanced Materials</i> , 2020 , 32, e1903882	24	124
44	From Octahedron Crystals to 2D Silicon Nanosheets: Facet-Selective Cleavage and Biophotonic Applications. <i>Small</i> , 2020 , 16, e2003594	11	5
43	Improving coordination of plant growth and nitrogen metabolism for sustainable agriculture. <i>ABIOTECH</i> , 2020 , 1, 255-275	3.9	4
42	Green Electronics: Biodegradable Materials and Green Processing for Green Electronics (Adv. Mater. 33/2020). <i>Advanced Materials</i> , 2020 , 32, 2070245	24	2
41	Naphthalene flanked diketopyrrolopyrrole: a new conjugated building block with hexyl or octyl alkyl side chains for electropolymerization studies and its biosensor applications. <i>Polymer Chemistry</i> , 2019 , 10, 3722-3739	4.9	10
40	Naphthalene flanked diketopyrrolopyrrole: A new DPP family member and its comparative optoelectronic properties with thiophene- and furan- flanked DPP counterparts. <i>Organic Electronics</i> , 2019 , 74, 290-298	3.5	5
39	G-protein β subunits determine grain size through interaction with MADS-domain transcription factors in rice. <i>Nature Communications</i> , 2018 , 9, 852	17.4	110
38	Transgenic expression of plastidic glutamine synthetase increases nitrogen uptake and yield in wheat. <i>Plant Biotechnology Journal</i> , 2018 , 16, 1858-1867	11.6	53

37	Diketopyrrolopyrrole based organic semiconductors with different numbers of thiophene units: symmetry tuning effect on electronic devices. <i>New Journal of Chemistry</i> , 2018 , 42, 4017-4028	3.6	18
36	Modulating plant growth-metabolism coordination for sustainable agriculture. <i>Nature</i> , 2018 , 560, 595-600	30.4	213
35	Naphthalene flanked diketopyrrolopyrrole based organic semiconductors for high performance organic field effect transistors. <i>New Journal of Chemistry</i> , 2018 , 42, 12374-12385	3.6	20
34	OsSND2, a NAC family transcription factor, is involved in secondary cell wall biosynthesis through regulating MYBs expression in rice. <i>Rice</i> , 2018 , 11, 36	5.8	28
33	Non-canonical regulation of SPL transcription factors by a human OTUB1-like deubiquitinase defines a new plant type rice associated with higher grain yield. <i>Cell Research</i> , 2017 , 27, 1142-1156	24.7	56
32	Thiophene bridge effect on bulky side-chained benzodithiophene-based photovoltaic polymers. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 1615-1622	2.5	4
31	Emerging insights into heterotrimeric G protein signaling in plants. <i>Journal of Genetics and Genomics</i> , 2016 , 43, 495-502	4	18
30	SQUAMOSA Promoter Binding Protein-like Transcription Factors: Targets for Improving Cereal Grain Yield. <i>Molecular Plant</i> , 2016 , 9, 765-7	14.4	13
29	The OsSPL16-GW7 regulatory module determines grain shape and simultaneously improves rice yield and grain quality. <i>Nature Genetics</i> , 2015 , 47, 949-54	36.3	349
28	Improved open-circuit voltage of benzodithiophene based polymer solar cells using bulky terthiophene side group. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 138, 26-34	6.4	19
27	Novel pendent thiophene side-chained benzodithiophene for polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 1558-1566	2.5	7
26	Nitrogen signaling and use efficiency in plants: what's new?. <i>Current Opinion in Plant Biology</i> , 2015 , 27, 192-8	9.9	39
25	CEF1/OsMYB103L is involved in GA-mediated regulation of secondary wall biosynthesis in rice. <i>Plant Molecular Biology</i> , 2015 , 89, 385-401	4.6	36
24	Synthesis and Optical-electronic Properties of a Novel Star-shaped Benzodithiophene Molecule. <i>Chemistry Letters</i> , 2015 , 44, 291-293	1.7	5
23	Aromatic Heterocycle 1,3,4-Oxadiazole-Substituted Thieno[3,4-b]thiophene to Build Low-Bandgap Polymer for Photovoltaic Application. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 2065-9	4.8	11
22	Hydrophilic poly-ether side-chained benzodithiophene-based homopolymer for solar cells and field-effect transistors. <i>Journal of Materials Science</i> , 2015 , 50, 2263-2271	4.3	3
21	Regulation of OsmiR156h through Alternative Polyadenylation Improves Grain Yield in Rice. <i>PLoS ONE</i> , 2015 , 10, e0126154	3.7	13
20	Heterotrimeric G proteins regulate nitrogen-use efficiency in rice. <i>Nature Genetics</i> , 2014 , 46, 652-6	36.3	231

19	Benzo[1,2-b:4,5-b']dithiophene and benzotriazole based small molecule for solution-processed organic solar cells. <i>Organic Electronics</i> , 2014 , 15, 405-413	3.5	41
18	Hyperconjugated side chained benzodithiophene and 4,7-di-2-thienyl-2,1,3-benzothiadiazole based polymer for solar cells. <i>Polymer Chemistry</i> , 2014 , 5, 2076	4.9	39
17	New benzo[1,2-b:4,5-b']dithiophene-based small molecules containing alkoxyphenyl side chains for high efficiency solution-processed organic solar cells. <i>ChemSusChem</i> , 2014 , 7, 3319-27	8.3	17
16	A triple bond side-chained 2D-conjugated benzodithiophene based photovoltaic polymer. <i>RSC Advances</i> , 2014 , 4, 58426-58431	3.7	3
15	Two-dimensional benzodithiophene and benzothiadiazole based solution-processed small molecular organic field-effect transistors & solar cells. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3921	7.1	39
14	Shedding light on integrative GA signaling. <i>Current Opinion in Plant Biology</i> , 2014 , 21, 89-95	9.9	71
13	Development of new two-dimensional small molecules based on benzodifuran for efficient organic solar cells. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 2621-7	4.5	14
12	New small molecules with thiazolothiazole and benzothiadiazole acceptors for solution-processed organic solar cells. <i>New Journal of Chemistry</i> , 2014 , 38, 1559	3.6	21
11	Near-infrared response thienoisindigo-based small molecule for solution-processed bulk-heterojunction solar cells. <i>Synthetic Metals</i> , 2014 , 187, 24-29	3.6	20
10	Novel donor-acceptor polymer containing 4,7-bis(thiophen-2-yl)benzo[c][1,2,5]thiadiazole for polymer solar cells with power conversion efficiency of 6.21%. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1153-7	4.8	31
9	Novel Panchromatic Absorption Material, Isoindigo-based A ₁ A ₂ A ₃ Small Molecule. <i>Chemistry Letters</i> , 2014 , 43, 1870-1872	1.7	4
8	Synthesis and solar cells applications of EO-PF-DTBT polymer. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	2
7	Low HOMO isoindigo based small molecule for high open-circuit voltage 1.0V solution processed organic solar cells. <i>Synthetic Metals</i> , 2013 , 178, 38-43	3.6	24
6	An electrochemically prepared sky-blue light emitting ether functionalized polyfluorene as chemosensor for metal ions. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013 , 31, 1579-1589	3.5	4
5	Diatom ecological response to altered hydrological forcing of a shallow lake on the Yangtze floodplain, SE China. <i>Ecohydrology</i> , 2012 , 5, 316-325	2.5	41
4	DNA replication factor C1 mediates genomic stability and transcriptional gene silencing in Arabidopsis. <i>Plant Cell</i> , 2010 , 22, 2336-52	11.6	42
3	High-Performance Semitransparent Organic Solar Cells Enabled by Improved Charge Transport and Optical Engineering of Ternary Blend Active Layer. <i>Solar Rrl</i> , 2100785	7.1	3
2	Topochemical Synthesis of Copper Phosphide Nanoribbons for Flexible Optoelectronic Memristors. <i>Advanced Functional Materials</i> , 2110900	15.6	2

- 1 Naphthalene Flanked Diketopyrrolopyrrole: A New Functional Dye Based Optical Sensors for Monitoring Cyanide Ions in Water. *Advanced Materials Technologies*,2100170

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