

Wei Qin

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.

65
papers

689
citations

15
h-index

23
g-index

72
ext. papers

912
ext. citations

8.7
avg, IF

4.27
L-index

#	Paper	IF	Citations
65	Rationalizing charge carrier transport in ternary organic solar cells. <i>Applied Physics Letters</i> , 2022 , 120, 023302	3.4	1
64	Synergistic effect of carrier velocity and density on chirality-induced spin selectivity in helical organic devices. <i>Applied Physics Letters</i> , 2022 , 120, 032405	3.4	2
63	Reducing Limitations of Aggregation-Induced Photocarrier Trapping for Photovoltaic Stability via Tailoring Intermolecular Electron-Phonon Coupling in Highly Efficient Quaternary Polymer Solar Cells (Adv. Energy Mater. 6/2022). <i>Advanced Energy Materials</i> , 2022 , 12, 2270023	21.8	
62	Unravelling Structure and Formation Mechanisms of Ruddlesden-Popper-Phase-like Nanodomains in Inorganic Lead Halide Perovskites.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2117-2123	6.4	1
61	Reproducibility in Time and Space-The Molecular Weight Effects of Polymeric Materials in Organic Photovoltaic Devices.. <i>Small Methods</i> , 2022 , e2101548	12.8	2
60	Reducing Limitations of Aggregation-Induced Photocarrier Trapping for Photovoltaic Stability via Tailoring Intermolecular Electron-Phonon Coupling in Highly Efficient Quaternary Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2022 , 12, 2103371	21.8	8
59	Polarized spin-photon coupling in organic ferromagnetic magneto-optic crystals. <i>Applied Materials Today</i> , 2021 , 25, 101229	6.6	1
58	Organic chiral ferromagnets with strong spin-chiroptical interactions. <i>Cell Reports Physical Science</i> , 2021 , 2, 100442	6.1	1
57	Electron Spin Polarization-Enhanced Photoinduced Charge Separation in Ferromagnetic ZnFe ₂ O ₄ . <i>ACS Energy Letters</i> , 2021 , 6, 2129-2137	20.1	4
56	Light-driven molecular motion modifying the electronic structure and spin properties of solid organic superstructure. <i>Organic Electronics</i> , 2021 , 92, 106103	3.5	
55	Efficient photoluminescence enhancement and tunable photocarrier transfer in vertical 2D organic/inorganic heterostructure by energy funneling. <i>2D Materials</i> , 2021 , 8, 025026	5.9	2
54	Organic magnetoelectric and optomagnetic couplings: perspectives for organic spin optoelectronics. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	3
53	Trap State Induced Recombination Effects on Indoor Organic Photovoltaic Cells. <i>ACS Energy Letters</i> , 2021 , 6, 3203-3211	20.1	11
52	Impeding the charge recombination through modifying the electron-phonon coupling in organic charge transfer complexes. <i>Applied Physics Letters</i> , 2021 , 119, 083301	3.4	
51	Self-powered perovskite CH ₃ NH ₃ PbBr ₃ field effect transistor with fast response and high sensitivity in sensing. <i>Materials Today Advances</i> , 2021 , 12, 100185	7.4	1
50	Spin Properties and Electronic Structure in Organic Ternary Crystals. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 15634-15638	3.8	0
49	Electromagnetic induction derived micro-electric potential in metal-semiconductor core-shell hybrid nanostructure enhancing charge separation for high performance photocatalysis. <i>Nano Energy</i> , 2020 , 71, 104624	17.1	25

48	Multiple Temporal-Scale Photocarrier Dynamics Induced by Synergistic Effects of Fluorination and Chlorination in Highly Efficient Nonfullerene Organic Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 1900552	7.1	10
47	Spin Transport Based on Exchange Coupling in Doped Organic Polymers. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1087-1092	6.4	3
46	Helical-chiroptical nanowires generated orbital angular momentum for the detection of circularly polarized light. <i>Applied Physics Letters</i> , 2020 , 116, 053301	3.4	11
45	Circularly polarized coherent light-induced boosting of polymer solar cells photovoltaic performance. <i>New Journal of Physics</i> , 2020 , 22, 103034	2.9	1
44	Thermally assisted charge transfer and charge separation in organic donor-acceptor solar cells. <i>Applied Physics Letters</i> , 2020 , 117, 163301	3.4	0
43	Directional and ultrafast migrations of excitons/biexcitons in organic polymers by utilizing a local nonuniform electric field. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11274-11281	7.1	2
42	Management of Charge Transfer Dissociation at Organic Molecular Heterojunctions. <i>ACS Photonics</i> , 2020 , 7, 1983-1988	6.3	2
41	Organic Multiferroic Magnetoelastic Complexes. <i>Advanced Materials</i> , 2020 , 32, e2003293	2.4	9
40	Chiral-induced spin selectivity: A polaron transport model. <i>Physical Review B</i> , 2020 , 102,	3.3	21
39	Multiple Temporal-Scale Photocarrier Dynamics Induced by Synergistic Effects of Fluorination and Chlorination in Highly Efficient Nonfullerene Organic Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2070046	7.1	1
38	Self-trapping effect on the excitonic and polaronic properties of a single-layer 2D metal-halide perovskite. <i>2D Materials</i> , 2020 , 7, 035020	5.9	4
37	Magneto-open-circuit voltage in organic-inorganic halide perovskite solar cells. <i>Applied Physics Letters</i> , 2019 , 114, 033302	3.4	1
36	Progress of organic magnetic materials. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	10
35	Organic Chiral Charge Transfer Magnets. <i>ACS Nano</i> , 2019 , 13, 4705-4711	16.7	16
34	Suppressing Photoinduced Charge Recombination via the Lorentz Force in a Photocatalytic System. <i>Advanced Science</i> , 2019 , 6, 1901244	13.6	42
33	Ultrafast Charge Separation from a π - π^* Charge-Transfer State Driven by Nonuniform Packing of Polymers at Donor/Acceptor Interfaces. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 2746-2754	3.8	7
32	Magnetic and Electric Control of Circularly Polarized Emission through Tuning Chirality-Generated Orbital Angular Momentum in Organic Helical Polymeric Nanofibers. <i>Advanced Materials</i> , 2019 , 31, e1904857	2.4	14
31	Polarized Light-Manipulated Magnetization of Organic Chiral Magnets. <i>Advanced Optical Materials</i> , 2019 , 7, 1900578	8.1	3

30	Hole Transfer Originating from Weakly Bound Exciton Dissociation in Acceptor-Donor-Acceptor Nonfullerene Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 7100-7106	6.4	26
29	Spin-Photon Coupling in Organic Chiral Crystals. <i>Nano Letters</i> , 2019 , 19, 9008-9012	11.5	7
28	Exploring charge transfer processes and crystallization dynamics in donor-acceptor crystals. <i>Organic Electronics</i> , 2018 , 58, 105-110	3.5	4
27	Charge Separation from a Cold Charge-Transfer State Driven by a Nonuniform Electric Field in Polymer-Based Donor/Acceptor Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 20676-20683	3.8	9
26	Formation of Large Grain and Compact CH ₃ NH ₃ Pb(I _{1-x} Br _x) ₃ Film by Multisteps Solvent Postannealing for High-Efficiency Perovskite Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2018 , 8, 1017-1022	3.7	6
25	Anisotropic Magnetolectric Coupling and Cotton-Mouton Effects in the Organic Magnetic Charge-Transfer Complex Pyrene-FTCNQ. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 44654-44659	9.5	31
24	Functionalized Graphene Oxide Enables a High-Performance Bulk Heterojunction Organic Solar Cell with a Thick Active Layer. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 6238-6248	6.4	29
23	Utilizing magnetic field to study the impact of intramolecular charge transfers on the open-circuit voltage of organic solar cells. <i>Applied Physics Letters</i> , 2018 , 113, 093301	3.4	2
22	Optical Helicity-Manipulated Photocurrents and Photovoltages in Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12566-12571	3.8	1
21	Poly(3-hexylthiophene) coated graphene oxide for improved performance of bulk heterojunction polymer solar cells. <i>Organic Electronics</i> , 2017 , 44, 149-158	3.5	20
20	Dual Förster resonance energy transfer effects in non-fullerene ternary organic solar cells with the third component embedded in the donor and acceptor. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12120-12130	13.84	84
19	Exploring the effects of optically generated dipoles on organic photodetector infrared detection. <i>Organic Electronics</i> , 2017 , 45, 222-226	3.5	4
18	Optically Controlled Magnetization and Magnetolectric Effect in Organic Multiferroic Heterojunction. <i>Advanced Optical Materials</i> , 2017 , 5, 1700644	8.1	9
17	Ultrafast Exciton Migration and Dissociation in Conjugated Polymers Driven by Local Nonuniform Electric Fields. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 20546-20552	3.8	15
16	Ferromagnetic mechanism in organic photovoltaic cells with closed-shell structures. <i>Scientific Reports</i> , 2017 , 7, 8384	4.9	4
15	External stimuli controlled multiferroic charge-transfer crystals. <i>Nano Research</i> , 2016 , 9, 925-932	10	13
14	Spin polarization of excitons in organic multiferroic composites. <i>Scientific Reports</i> , 2016 , 6, 28656	4.9	11
13	Room Temperature Multiferroicity of Charge Transfer Crystals. <i>ACS Nano</i> , 2015 , 9, 9373-9	16.7	35

12	An organic approach for nanostructured multiferroics. <i>Nanoscale</i> , 2015 , 7, 9122-32	7.7	26
11	Multiferroicity of carbon-based charge-transfer magnets. <i>Advanced Materials</i> , 2015 , 27, 734-9	24	28
10	Charge-Transfer Magnets: Multiferroicity of Carbon-Based Charge-Transfer Magnets (Adv. Mater. 4/2015). <i>Advanced Materials</i> , 2015 , 27, 733-733	24	
9	Synthesis and characterization of rare-earth-free magnetic manganese bismuth nanocrystals. <i>RSC Advances</i> , 2015 , 5, 5567-5570	3.7	14
8	Magnetic and Optoelectronic Properties of Gold Nanocluster-Thiophene Assembly. <i>Angewandte Chemie</i> , 2014 , 126, 7444-7447	3.6	3
7	Charge-transfer magnetoelectrics of polymeric multiferroics. <i>ACS Nano</i> , 2014 , 8, 3671-7	16.7	30
6	Charge-transfer induced magnetic field effects of nano-carbon heterojunctions. <i>Scientific Reports</i> , 2014 , 4, 6126	4.9	13
5	Magnetic and optoelectronic properties of gold nanocluster-thiophene assembly. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7316-9	16.4	37
4	Voltage Dependence of Magnetoconductance in Organic Semiconductor Devices. <i>Applied Physics Express</i> , 2013 , 6, 021603	2.4	
3	Strong Faraday Rotation Based on Localized Surface Plasmon Enhancement of Embedded Metallic Nanoparticles in Glass. <i>Small Science</i> , 2100094		1
2	Magnetic Field Controlled Interlayer Coupling in MoS2 Field Effect Transistors. <i>Advanced Electronic Materials</i> , 2100548	6.4	
1	Organic Chiral Spin-Optics: The Interaction between Spin and Photon in Organic Chiral Materials. <i>Advanced Optical Materials</i> , 2101201	8.1	2