

# Yaqing Feng

## List of Publications by Citations

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76  
papers

1,874  
citations

22  
h-index

41  
g-index

85  
ext. papers

2,368  
ext. citations

6.5  
avg, IF

5.08  
L-index

#	Paper	IF	Citations
76	Thermodynamically Stable Orthorhombic ECsPbI Thin Films for High-Performance Photovoltaics. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11716-11725	16.4	206
75	Kerr Nonlinearity in 2D Graphdiyne for Passive Photonic Diodes. <i>Advanced Materials</i> , <b>2019</b> , 31, e180798124	12.4	136
74	Optimization of Stable Quasi-Cubic FAxMA1-xPbI3 Perovskite Structure for Solar Cells with Efficiency beyond 20%. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 802-806	20.1	124
73	Chiral Lead Halide Perovskite Nanowires for Second-Order Nonlinear Optics. <i>Nano Letters</i> , <b>2018</b> , 18, 5411-5417	11.5	114
72	Stable and High-Efficiency Methylammonium-Free Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905502	24	86
71	PbI-HMPA Complex Pretreatment for Highly Reproducible and Efficient CHNHMPbI Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14380-14387	16.4	83
70	A Strategy to Produce High Efficiency, High Stability Perovskite Solar Cells Using Functionalized Ionic Liquid-Dopants. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702157	24	81
69	Chiral Perovskites: Promising Materials toward Next-Generation Optoelectronics. <i>Small</i> , <b>2019</b> , 15, e1902237	23.7	79
68	Tuning the Fermi-level of TiO mesoporous layer by lanthanum doping towards efficient perovskite solar cells. <i>Nanoscale</i> , <b>2016</b> , 8, 16881-16885	7.7	75
67	A lactam building block for efficient polymer solar cells. <i>Chemical Communications</i> , <b>2015</b> , 51, 11830-3	5.8	66
66	Coordinative integration of a metal-porphyrinic framework and TiO2 nanoparticles for the formation of composite photocatalysts with enhanced visible-light-driven photocatalytic activities. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15380-15389	13	55
65	Robust Corrole-Based Metal-Organic Frameworks with Rare 9-Connected Zr/Hf-Oxo Clusters. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 14443-14450	16.4	48
64	An integrated targeting drug delivery system based on the hybridization of graphdiyne and MOFs for visualized cancer therapy. <i>Nanoscale</i> , <b>2019</b> , 11, 11709-11718	7.7	45
63	A Corrole-Based Covalent Organic Framework Featuring Desymmetrized Topology. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4354-4359	16.4	42
62	Preparation of Mono-Dispersed Polyurea-Urea Formaldehyde Double Layered Microcapsules. <i>Polymer Bulletin</i> , <b>2008</b> , 60, 725-731	2.4	33
61	Fabrication of a New Corrole-Based Covalent Organic Framework as a Highly Efficient and Selective Chemosensor for Heavy Metal Ions. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2532-2540	9.6	30
60	Graphdiyne-hybridized N-doped TiO2 nanosheets for enhanced visible light photocatalytic activity. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 8921-8932	4.3	29

59	Preparation of diverse flower-like ZnO nanoaggregates for dye-sensitized solar cells. <i>RSC Advances</i> , <b>2015</b> , 5, 25215-25221	3.7	26
58	Doubly N-confused isophlorin: synthesis, structure and copper coordination. <i>Chemical Communications</i> , <b>2014</b> , 50, 14593-6	5.8	24
57	Novel Synthesis and Characterization of Yellow Inorganic/Organic Composite Spheres for Electrophoretic Display. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 1468-1475	3.9	24
56	High-Mobility Hydrophobic Conjugated Polymer as Effective Interlayer for Air-Stable Efficient Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1800232	7.1	24
55	Effect of the length of the alkyl chains in porphyrin meso-substituents on the performance of dye-sensitized solar cells. <i>RSC Advances</i> , <b>2014</b> , 4, 8894	3.7	23
54	Synthesis and characterization of novel porphyrin Schiff bases. <i>Journal of the Serbian Chemical Society</i> , <b>2008</b> , 73, 1-6	0.9	22
53	A detailed investigation on the performance of dye-sensitized solar cells based on reduced graphene oxide-doped TiO <sub>2</sub> photoanode. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 8070-8083	4.3	17
52	Double-N doping: a new discovery about N-doped TiO <sub>2</sub> applied in dye-sensitized solar cells. <i>RSC Advances</i> , <b>2014</b> , 4, 16992-16998	3.7	17
51	Improved performance of dye-sensitized solar cells based on modified kaolin/PVDF-HFP composite gel electrolytes. <i>RSC Advances</i> , <b>2016</b> , 6, 100079-100089	3.7	16
50	Compositing Two-Dimensional Materials with TiO <sub>2</sub> for Photocatalysis. <i>Catalysts</i> , <b>2018</b> , 8, 590	4	16
49	Preparation of novel porphyrin nanomaterials based on the pH-responsive shape evolution of porphyrin microspheres. <i>Langmuir</i> , <b>2015</b> , 31, 4330-40	4	15
48	Preparation of dye-sensitized solar cells with high photocurrent and photovoltage by using mesoporous titanium dioxide particles as photoanode material. <i>Nano Research</i> , <b>2015</b> , 8, 3830-3841	10	14
47	Blue emitting CsPbBr <sub>3</sub> perovskite quantum dot inks obtained from sustained release tablets. <i>Nano Research</i> , <b>2019</b> , 12, 3129-3134	10	14
46	Construction of a flexible covalent organic framework based on triazine units with interesting photoluminescent properties for sensitive and selective detection of picric acid.. <i>RSC Advances</i> , <b>2019</b> , 9, 30937-30942	3.7	14
45	Basic ionic liquid as catalyst and surfactant: green synthesis of quinazolinone in aqueous media.. <i>RSC Advances</i> , <b>2018</b> , 8, 36769-36774	3.7	14
44	Stepwise co-sensitization of two metal-based sensitizers: probing their competitive adsorption for improving the photovoltaic performance of dye-sensitized solar cells. <i>RSC Advances</i> , <b>2017</b> , 7, 10494-10502	3.7	13
43	Organometallic Group 11 (Cu , Ag , Au ) Complexes of a trans-Doubly N-Confused Porphyrin: An "Expanded Imidazole" Structural Motif. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11375-11384	4.8	13
42	Hexagonal mesoporous silica islands to enhance photovoltaic performance of planar junction perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1415-1420	13	13

41	DA copolymers containing lactam moieties for polymer solar cells. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 7373-7376	4.9	13
40	Construction of Pyridine-Based Chiral Ionic Covalent Organic Frameworks as a Heterogeneous Catalyst for Promoting Asymmetric Henry Reactions. <i>Organic Letters</i> , <b>2021</b> , 23, 1748-1752	6.2	13
39	Self-assembled hydrophobin for producing water-soluble and membrane permeable fluorescent dye. <i>Scientific Reports</i> , <b>2016</b> , 6, 23061	4.9	12
38	How does HOTf/HFIP Cooperative System Catalyze the Ring-Opening Reaction of Cyclopropanes? A DFT Study. <i>Asian Journal of Organic Chemistry</i> , <b>2020</b> , 9, 311-316	3	10
37	Healable terpyridine-based supramolecular gels and the luminescent properties of the rare earth metal complex. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 15173-15179	3.6	10
36	Corroles programmed for regioselective cycloaddition chemistry: Synthesis of a bisadduct with C60-fullerene. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2012</b> , 16, 556-563	1.8	10
35	Synthesis of corrole-fullerene dyads via [4 + 2] cycloaddition reaction. <i>RSC Advances</i> , <b>2014</b> , 4, 40758-40762	3.7	9
34	A Porphyrin-Involved Benzene-1,3,5-Tricarboxamide Dendrimer (Por-BTA) as a Multifunctional Interface Material for Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 14248-14257	9.5	9
33	Enhanced photovoltaic performance of dye-sensitized solar cells (DSSCs) using graphdiyne-doped TiO <sub>2</sub> photoanode. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 4893-4904	4.3	9
32	Rigid triarylamine donor-acceptor porphyrin dyes and their application in dye-sensitized solar cells. <i>RSC Advances</i> , <b>2015</b> , 5, 41193-41202	3.7	8
31	A novel amphiphilic fluorescent probe BODIPY-CMC-cRGD as a biomarker and nanoparticle vector.. <i>RSC Advances</i> , <b>2018</b> , 8, 20087-20094	3.7	8
30	A new route to indazolone via amidation reaction of o-carboxyazobenzene. <i>Organic Letters</i> , <b>2012</b> , 14, 479-81	6.2	8
29	Solvent induced enhancement of nonlinear optical response of graphdiyne. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 525-528	8.1	8
28	Multi-functional Nanodrug Based on a Three-dimensional Framework for Targeted Photo-chemo Synergetic Cancer Therapy. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001874	10.1	8
27	Multi-functional 3D N-doped TiO <sub>2</sub> microspheres used as scattering layers for dye-sensitized solar cells. <i>Frontiers of Chemical Science and Engineering</i> , <b>2017</b> , 11, 395-404	4.5	7
26	Porphyrins as Dipolarophiles in 1,3-Dipolar Cycloaddition Reactions with Nitrile Oxide. <i>Synlett</i> , <b>2005</b> , 2005, 1030-1032	2.2	6
25	Encapsulation of modified pigment yellow 110 (PY110) for electrophoretic display. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 2261-2267	2.5	6
24	N-doped TiO <sub>2</sub> applied in low-temperature-based dye-sensitized solar cells. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 6705-6718	2.8	5

23	The self-assembly of monosubstituted BODIPY and HFBI-RGD.. <i>RSC Advances</i> , <b>2018</b> , 8, 21472-21479	3.7	5
22	Chiral Perovskite: Chiral Perovskites: Promising Materials toward Next-Generation Optoelectronics (Small 39/2019). <i>Small</i> , <b>2019</b> , 15, 1970209	11	5
21	Study of quasi-solid electrolyte in dye-sensitized solar cells using surfactant as pore-forming materials in TiO <sub>2</sub> photoelectrodes. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 715-724	2.6	5
20	Regioselective synthesis of novel spiroheterocyclic framework via the 1,3-dipolar cycloaddition. <i>Journal of Heterocyclic Chemistry</i> , <b>2006</b> , 43, 75-80	1.9	5
19	The tumor phototherapeutic application of nanoparticles constructed by the relationship between PTT/PDT efficiency and 2,6- and 3,5-substituted BODIPY derivatives. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 7461-7471	7.3	5
18	Application-oriented computational studies on a series of D- $\pi$ A structured porphyrin sensitizers with different electron-donor groups. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 30624-31	3.6	4
17	Introduction of an isoxazoline unit to the $\beta$ -position of porphyrin via regioselective 1,3-dipolar cycloaddition reaction. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 1434-1440	2.5	4
16	Influence of the number of phenylethynyl units present in porphyrin sensitizer on its light harvesting and cell performance. <i>Research on Chemical Intermediates</i> , <b>2015</b> , 41, 8713-8724	2.8	3
15	Effects of substituent and solvent on the Sonogashira coupling reaction of $\beta$ -bromoporphyrin. <i>Research on Chemical Intermediates</i> , <b>2014</b> , 40, 1517-1524	2.8	3
14	Synthesis, spectroscopic and crystallographic analysis of the Zn-complex of a di(-sulfoleno)pyrri: model for Zn-complexes of bilirubin and of phylloxanthobilins. <i>Monatshefte für Chemie</i> , <b>2016</b> , 147, 1031-1036	1.4	3
13	Blue nanocomposites coated with an ionic liquid polymer for electrophoretic displays.. <i>RSC Advances</i> , <b>2021</b> , 11, 20760-20768	3.7	3
12	Studies on selective $\alpha$ bromination of $\beta$ -extended porphyrins and subsequent coupling reactions. <i>Research on Chemical Intermediates</i> , <b>2014</b> , 40, 1415-1423	2.8	2
11	Metalloporphyrin-based porous organic polymers as a heterogeneous catalytic nanoplatfom for efficient carbon dioxide conversion. <i>Nano Research</i> , 1	10	2
10	Effects of interfacial adsorption configurations on dye-sensitized solar cell performance at the stoichiometric and defective TiO <sub>2</sub> anatase (101) surfaces: a theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 4508-4515	3.6	1
9	A Corrole-Based Covalent Organic Framework Featuring Desymmetrized Topology. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4384-4389	3.6	1
8	Synthesis and X-ray structure of new spiro-imidazo[2,1-b]thiazole. <i>Journal of Heterocyclic Chemistry</i> , <b>1999</b> , 36, 1307-1310	1.9	1
7	The photodynamic/photothermal synergistic therapeutic effect of BODIPY-I-35 liposomes with urea.. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2022</b> , 37, 102723	3.5	1
6	High-Mobility Hydrophobic Conjugated Polymer as Effective Interlayer for Air-Stable Efficient Perovskite Solar Cells (Solar RRL 1 $\bar{0}$ 19). <i>Solar Rrl</i> , <b>2019</b> , 3, 1970015	7.1	1

5	Encapsulation of perovskite quantum dots into a LnIII-incorporating polymer matrix to achieve white light emission. <i>New Journal of Chemistry</i> , <b>2022</b> , 46, 6307-6313	3.6	1
4	In Situ Graded Passivation via Porphyrin Derivative with Enhanced Photovoltage and Fill Factor in Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2022</b> , 6, 2100964	7.1	0
3	Single-Crystalline Nanosheets of Hybrid Perovskite Fabricated by a Vapor-Solution Sequential Deposition Route. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 3669-3672	1.3	
2	Fluorine-Mediated Benzothiadiazole Derivatives for Second-Order Nonlinear Optics. <i>Transactions of Tianjin University</i> , <b>2019</b> , 25, 603-610	2.9	
1	Preparation and Characterization of Coloured Polymer Particles for Electronic Ink. <i>Polymers and Polymer Composites</i> , <b>2017</b> , 25, 161-166	0.8	