

Xiao-Fang Jiang

List of Publications by Citations

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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.

39
papers

3,838
citations

25
h-index

39
g-index

39
ext. papers

4,250
ext. citations

12.2
avg, IF

5.34
L-index

#	Paper	IF	Citations
39	n-Type Water/Alcohol-Soluble Naphthalene Diimide-Based Conjugated Polymers for High-Performance Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2004-13	16.4	400
38	High-Performance Ternary Organic Solar Cell Enabled by a Thick Active Layer Containing a Liquid Crystalline Small Molecule Donor. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2387-2395	16.4	351
37	Microfiber-based few-layer black phosphorus saturable absorber for ultra-fast fiber laser. <i>Optics Express</i> , 2015 , 23, 20030-9	3.3	322
36	Optimisation of processing solvent and molecular weight for the production of green-solvent-processed all-polymer solar cells with a power conversion efficiency over 9%. <i>Energy and Environmental Science</i> , 2017 , 10, 1243-1251	35.4	307
35	Amino-Functionalized Conjugated Polymer as an Efficient Electron Transport Layer for High-Performance Planar-Heterojunction Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2016 , 6, 1501534	21.8	247
34	A Novel Naphtho[1,2-c:5,6-c']Bis([1,2,5]Thiadiazole)-Based Narrow-Bandgap π -Conjugated Polymer with Power Conversion Efficiency Over 10. <i>Advanced Materials</i> , 2016 , 28, 9811-9818	24	207
33	Graphene Oxides as Tunable Broadband Nonlinear Optical Materials for Femtosecond Laser Pulses. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 785-90	6.4	175
32	High-Performance Color-Tunable Perovskite Light Emitting Devices through Structural Modulation from Bulk to Layered Film. <i>Advanced Materials</i> , 2017 , 29, 1603157	24	172
31	Dual Interfacial Modifications Enable High Performance Semitransparent Perovskite Solar Cells with Large Open Circuit Voltage and Fill Factor. <i>Advanced Energy Materials</i> , 2017 , 7, 1602333	21.8	161
30	Improving Film Formation and Photovoltage of Highly Efficient Inverted-Type Perovskite Solar Cells through the Incorporation of New Polymeric Hole Selective Layers. <i>Advanced Energy Materials</i> , 2016 , 6, 1502021	21.8	141
29	High-Performance Nonfullerene Polymer Solar Cells based on Imide-Functionalized Wide-Bandgap Polymers. <i>Advanced Materials</i> , 2017 , 29, 1606396	24	135
28	Size-dependent nonlinear optical properties of black phosphorus nanosheets and their applications in ultrafast photonics. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3007-3013	7.1	121
27	Thick Film Polymer Solar Cells Based on Naphtho[1,2-c:5,6-c']bis[1,2,5]thiadiazole Conjugated Polymers with Efficiency over 11%. <i>Advanced Energy Materials</i> , 2017 , 7, 1700944	21.8	115
26	A two-photon fluorescent sensor revealing drug-induced liver injury via tracking γ -Glutamyltranspeptidase (GGT) level in vivo. <i>Biomaterials</i> , 2016 , 80, 46-56	15.6	102
25	High-Performance Polymer Solar Cells with Electrostatic Layer-by-Layer Self-Assembled Conjugated Polyelectrolytes as the Cathode Interlayer. <i>Advanced Materials</i> , 2015 , 27, 3607-13	24	99
24	Huge enhancement in two-photon photoluminescence of Au nanoparticle clusters revealed by single-particle spectroscopy. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7272-7	16.4	88
23	Efficient and Stable Perovskite Solar Cells via Dual Functionalization of Dopamine Semiquinone Radical with Improved Trap Passivation Capabilities. <i>Advanced Functional Materials</i> , 2018 , 28, 1707444	15.6	74

22	Excitation Nature of Two-Photon Photoluminescence of Gold Nanorods and Coupled Gold Nanoparticles Studied by Two-Pulse Emission Modulation Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1634-8	6.4	69
21	Recombination Dynamics Study on Nanostructured Perovskite Light-Emitting Devices. <i>Advanced Materials</i> , 2018 , 30, e1801370	24	60
20	Enhanced Photovoltaic Performance of Ternary Polymer Solar Cells by Incorporation of a Narrow-Bandgap Nonfullerene Acceptor. <i>Chemistry of Materials</i> , 2017 , 29, 8177-8186	9.6	58
19	Highly efficient photocatalytic hydrogen evolution from water-soluble conjugated polyelectrolytes. <i>Nano Energy</i> , 2019 , 60, 775-783	17.1	51
18	Tunable Broadband Nonlinear Optical Properties of Black Phosphorus Quantum Dots for Femtosecond Laser Pulses. <i>Materials</i> , 2017 , 10,	3.5	51
17	Crosslinkable Amino-Functionalized Conjugated Polymer as Cathode Interlayer for Efficient Inverted Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2016 , 6, 1502563	21.8	51
16	Efficient device engineering for inverted non-fullerene organic solar cells with low energy loss. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4457-4463	7.1	30
15	Non-fullerene polymer solar cells with VOC > 1 V based on fluorinated quinoxaline unit conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8774-8781	7.1	25
14	Novel perylene diimide based polymeric electron-acceptors containing ethynyl as the bridge for all-polymer solar cells. <i>Organic Electronics</i> , 2017 , 45, 227-233	3.5	24
13	Solvent-dependent two-photon photoluminescence and excitation dynamics of gold nanorods. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 15576-83	3.4	22
12	Black phosphorus quantum dots for femtosecond laser photonics. <i>Optics Communications</i> , 2018 , 406, 85-90	2	21
11	Introducing cyclic alkyl chains into small-molecule acceptors for efficient polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7046-7053	7.1	20
10	Plasmon-coupled gold nanospheres for two-photon imaging and photoantibacterial activity. <i>Advanced Healthcare Materials</i> , 2015 , 4, 674-8	10.1	20
9	D-A dyad and D-A-D triad incorporating triphenylamine, benzanthrone and perylene diimide: Synthesis, electrochemical, linear and nonlinear optical properties. <i>Chemical Physics Letters</i> , 2017 , 682, 133-139	2.5	19
8	Perylene diimide-Benzanthrone Dyad: Organic Chromophores with Enhanced Third-Order Nonlinear-Optical Activities. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 2495-2500	3.2	17
7	Flexible, robust and highly efficient broadband nonlinear optical materials based on graphene oxide impregnated polymer sheets. <i>Photonics Research</i> , 2015 , 3, A87	6	17
6	4-N, N-bis(4-methoxyphenyl) aniline substituted anthraquinone: X-ray crystal structures, theoretical calculations and third-order nonlinear optical properties. <i>Optical Materials</i> , 2017 , 70, 131-137	2.3	16
5	Alkali Salt-Doped Highly Transparent and Thickness-Insensitive Electron-Transport Layer for High-Performance Polymer Solar Cell. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1939-1947	9.5	16

4	Gold nanorod-enhanced two-photon excitation fluorescence of conjugated oligomers for two-photon imaging guided photodynamic therapy. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 14693-14700	7.1	14
3	Therapeutic Nanosystem Consisting of Singlet-Oxygen-Responsive Prodrug and Photosensitizer Excited by Two-Photon Light. <i>ACS Medicinal Chemistry Letters</i> , 2018 , 9, 23-27	4.3	9
2	n-Type Conjugated Polymer Based on Dicyanodistyrylbenzene and Naphthalene Diimide Units for All-Polymer Solar Cells. <i>Chinese Journal of Chemistry</i> , 2018 , 36, 406-410	4.9	6
1	Tuning Optical Nonlinearity of Laser-Ablation-Synthesized Silicon Nanoparticles via Doping Concentration. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-7	3.2	5