

Qing Zhang

List of Publications by Year in descending order

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1,301
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394421

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Helical Self-Assembly-Induced Singlet-Triplet Emissive Switching in a Mechanically Sensitive System. <i>Journal of the American Chemical Society</i> , 2017, 139, 785-791.	13.7	153
2	Synthesis and Photovoltaic Properties of New Low Bandgap Isoindigo-Based Conjugated Polymers. <i>Macromolecules</i> , 2011, 44, 1414-1420.	4.8	145
3	Recent developments on isoindigo-based conjugated polymers. <i>Polymer Chemistry</i> , 2014, 5, 3298-3305.	3.9	132
4	Molecular stacking dependent phosphorescence-fluorescence dual emission in a single luminophore for self-recoverable mechanoconversion of multicolor luminescence. <i>Chemical Communications</i> , 2017, 53, 2661-2664.	4.1	90
5	Silicon-Based Self-Assemblies for High Volumetric Capacity Li-Ion Batteries via Effective Stress Management. <i>Advanced Functional Materials</i> , 2020, 30, 2002980.	14.9	76
6	All-Solution-Processed Quantum Dot Light Emitting Diodes Based on Double Hole Transport Layers by Hot Spin-Coating with Highly Efficient and Low Turn-On Voltage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29076-29082.	8.0	73
7	Tuning for Visible Fluorescence and Near-Infrared Phosphorescence on a Unimolecular Mechanically Sensitive Platform via Adjustable CH π - π Interaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3865-3872.	8.0	56
8	An expanded isoindigo unit as a new building block for a conjugated polymer leading to high-performance solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5427-5433.	10.3	48
9	Scalable Processing Ultrathin Polymer Dielectric Films with a Generic Solution Based Approach for Wearable Soft Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1800681.	5.8	36
10	Novel Low Bandgap EDOT-Naphthalene Bisimides Conjugated Polymers: Synthesis, Redox, and Optical Properties. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 769-775.	2.2	33
11	A low bandgap polymer based on isoindigo and bis(dialkylthienyl)benzodithiophene for organic photovoltaic applications. <i>Journal of Polymer Science Part A</i> , 2013, 51, 94-100.	2.3	33
12	Crosslinked conjugated polymers as hole transport layers in high-performance quantum dot light-emitting diodes. <i>Nanoscale Horizons</i> , 2017, 2, 156-162.	8.0	31
13	High-Performance Organic Semiconducting Polymers by a Resonance-Assisted Hydrogen Bonding Approach. <i>Chemistry of Materials</i> , 2021, 33, 580-588.	6.7	31
14	Synthesis and photovoltaic properties of new conjugated polymers based on syn- and anti-benzodifuran. <i>Polymer Chemistry</i> , 2012, 3, 2949.	3.9	30
15	Synthesis and Photovoltaic Properties of Conjugated Copolymers with Benzo[1,2-b:4,5-b']dithiophene and Bis(thiophene)phthalimide Units. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2596-2601.	2.2	25
16	Low temperature cross-linked, high performance polymer gate dielectrics for solution-processed organic field-effect transistors. <i>Polymer Chemistry</i> , 2015, 6, 5884-5890.	3.9	25
17	Application of thermal azide-alkyne cycloaddition (TAAC) reaction as a low temperature cross-linking method in polymer gate dielectrics for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3517.	5.5	24
18	Photocross-Linkable Hole Transport Materials for Inkjet-Printed High-Efficient Quantum Dot Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58369-58377.	8.0	21

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19	Synthesis and photovoltaic properties of new conjugated polymers based on two angular-shaped naphthodifuran isomers and isoindigo. <i>Solar Energy Materials and Solar Cells</i> , 2013, 118, 22-29.	6.2	19
20	Trifluoromethylated thieno[3,4-b]thiophene-2-ethyl carboxylate as a building block for conjugated polymers. <i>Polymer Chemistry</i> , 2013, 4, 5275.	3.9	17
21	Novel UV-sensitive bis-chalcone derivatives: synthesis and photocrosslinking properties in solution and solid PMMA film. <i>Research on Chemical Intermediates</i> , 2011, 37, 635-646.	2.7	16
22	Solvent Resistant Hole-Transporting Thin Films via Diacetylene Cross-Linking and Their Applications in Solution-Processed QLEDs. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3274-3281.	4.4	16
23	Probing bias stress effect and contact resistance in bilayer ambipolar organic field-effect transistors. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	15
24	Synthesis and photovoltaic performances of a conjugated polymer based on a new naphthodifuran monomer. <i>Polymer Chemistry</i> , 2014, 5, 2561-2566.	3.9	15
25	A Facile Photo-cross-linking Method for Polymer Gate Dielectrics and Their Applications in Fully Solution Processed Low Voltage Organic Field-effect Transistors on Plastic Substrate. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 918-924.	3.8	14
26	Bifunctional Bis(4-aminophenyl)benzophenone as A Solid Additive for Non-Fullerene Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2008699.	14.9	13
27	Benzobisthiazole Polymer with Resonance-assisted Hydrogen Bonds for High-performance Transistor and Solar Cell Applications. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 147-156.	3.8	12
28	"Click" Synthesis of a Bipolar Dendrimer as a Host Material for Electrophosphorescent Devices. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1969-1976.	2.2	9
29	Dithieno[3,4-b:3',4'-d]pentalene Based Conjugated Polymers: Synthesis and Characterization. <i>Chinese Journal of Chemistry</i> , 2013, 31, 1404-1408.	4.9	9
30	Random Copolymers Based on Thieno[3,4-b]pyrrole-4,6-dione and Isoindigo Building Blocks for Polymer Solar Cells. <i>Chinese Journal of Chemistry</i> , 2014, 32, 521-526.	4.9	9
31	Cross-linked Polymer Blend Gate Dielectrics through Thermal Click Chemistry. <i>Chemistry - A European Journal</i> , 2015, 21, 17762-17768.	3.3	9
32	The dielectric properties of low temperature thermally cross-linked polystyrene and poly(methyl methacrylate) blends. <i>Journal of Applied Polymer Science</i> , 2010, 116, 1000-1008.	3.8	9
33	Bis-isatin based polymers with tunable energy levels for organic field-effect transistor applications. <i>Polymer Chemistry</i> , 2021, 12, 2317-2324.	3.9	8
34	Synthesis and characterization of pyromellitic diimides-containing conjugated polymers. <i>Polymer Bulletin</i> , 2012, 69, 63-69.	3.3	5
35	Photovoltaic properties of 3,3'-ethane-1,2-diylidene-bis(indolin-2-one) based conjugated polymers. <i>RSC Advances</i> , 2016, 6, 11888-11894.	3.6	5
36	Polymerizations of Diketopyrrolopyrrole-Type Dyes in Unconventional Orientation. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5698-5704.	4.4	5

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37	Synthesis and Characterization of a 2,4,6-Tri(2-thienyl)pyridine-Based Conjugated Polymer for OFET Applications. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 917-923.	2.2	4
38	Modeling of the atom transfer radical polymerization for preparing novel fluorosilicone diblock copolymers in a semi-batch reactor. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3473-3481.	2.6	4
39	Photochemical characterization of bi-functional compounds containing indolinSpiropyran and chalcone groups. <i>Research on Chemical Intermediates</i> , 2015, 41, 3017-3029.	2.7	4
40	Synthesis and characterization of conjugated polymer based on tetracyano-anthraquinodimethane. <i>Polymer Bulletin</i> , 2015, 72, 2553-2560.	3.3	2
41	A comparative study of bithiophene and thienothiophene based polymers for organic field-effect transistor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9143-9151.	2.2	2
42	Thienylmethylene Oxindole Based Conjugated Polymers via Direct Arylation Polymerization and Their Electrochromic Properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 147-153.	3.8	2