Jinsheng Song

List of Publications by Year
in descending order

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Version: 2024-02-01

60	1,959	279487 23	253896 43
papers	citations	h-index	g-index

61	61	61	2172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using fullerene as the third component to boosting the photovoltaic performances of pyran acceptor. Dyes and Pigments, 2022, 197, 109933.	2.0	2
2	Simple Tricyclic-Based A-Ï€-D-Ï€-A-Type Nonfullerene Acceptors for High-Efficiency Organic Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 6039-6047.	4.0	14
3	High efficiency ternary organic solar cells via morphology regulation with asymmetric nonfused ring electron acceptor. Chemical Engineering Journal, 2022, 438, 135384.	6.6	14
4	Unraveling the Photovoltaic, Mechanical, and Microstructural Properties and Their Correlations in Simple Poly(3â€pentylthiophene) Solar Cells. Macromolecular Rapid Communications, 2022, 43, e2200229.	2.0	4
5	Simple dithienosilole-based nonfused nonfullerene acceptor for efficient organic photovoltaics. Dyes and Pigments, 2021, 184, 108789.	2.0	14
6	Designing high performance conjugated materials for photovoltaic cells with the aid of intramolecular noncovalent interactions. Chemical Communications, 2021, 57, 302-314.	2.2	65
7	Insights into out-of-plane side chains effects on optoelectronic and photovoltaic properties of simple non-fused electron acceptors. Organic Electronics, 2021, 89, 106029.	1.4	14
8	Highâ€Efficiency Organic Solar Cells Based on a Lowâ€Cost Fully Nonâ€Fused Electron Acceptor. Advanced Functional Materials, 2021, 31, 2101742.	7.8	98
9	Flexibleâ€“Rigid Synergetic Strategy for Saddle-Shaped Perylene Diimide Acceptors in As-Cast Polymer Solar Cells. Journal of Physical Chemistry C, 2021, 125, 10841-10849.	1.5	12
10	High-Performance Simple Nonfused Ring Electron Acceptors with Diphenylamino Flanking Groups. ACS Applied Materials & Interfaces, 2021, 13, 39652-39659.	4.0	47
11	Coupling mechanism between photogenerated carriers and triboelectric charges and photoinduced reinforcement of a triboelectric nanogenerator. Applied Physics Letters, 2021, 119, .	1.5	5
12	Hybrid Nonfused-Ring Electron Acceptors with Fullerene Pendant for High-Efficiency Organic Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 1603-1611.	4.0	19
13	Nonfullerene acceptors with an N-annulated perylene core and two perylene diimide units for efficient organic solar cells. Dyes and Pigments, 2020, 173, 107970.	2.0	9
14	Photovoltaic Performances of Fused Ring Acceptors with Isomerized Ladder-Type Dipyran Cores. ACS Applied Materials & Interfaces, 2020, 12, 4887-4894.	4.0	20
15	Perylene diimide acceptor with two planar arms and a twisted core for high efficiency polymer solar cells. Dyes and Pigments, 2020, 175, 108186.	2.0	17
16	Regulating molecular orientations of dipyran-based nonfullerene acceptors through side-chain engineering at the Ï€-bridge. Journal of Materials Chemistry A, 2020, 8, 22416-22422.	5.2	13
17	Extended Ï€-conjugated perylene diimide dimers toward efficient organic solar cells. Dyes and Pigments, 2020, 183, 108736.	2.0	9
18	Realizing Efficient Single Organic Molecular White Light-Emitting Diodes from Conformational Isomerization of Quinazoline-Based Emitters. ACS Applied Materials & Interfaces, 2020, 12, 14233-14243.	4.0	60

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19	Highâ€Efficiency Asâ€Cast Organic Solar Cells Based on Acceptors with Steric Hindrance Induced Planar Terminal Group. Advanced Energy Materials, 2019, 9, 1901280.	10.2	86
20	Noncovalently fused-ring electron acceptors with near-infrared absorption for high-performance organic solar cells. Nature Communications, 2019, 10, 3038.	5.8	297
21	Perylene diimide based star-shaped small molecular acceptors for high efficiency organic solar cells. Journal of Materials Chemistry C, 2019, 7, 819-825.	2.7	37
22	Impact of the Bonding Sites at the Inner or Outer Ï€-Bridged Positions for Non-Fullerene Acceptors. ACS Applied Materials & Interfaces, 2019, 11, 19444-19451.	4.0	24
23	Tuning the dipole moments of nonfullerene acceptors with an asymmetric terminal strategy forÂhighly efficient organic solar cells. Journal of Materials Chemistry A, 2019, 7, 8889-8896.	5.2	86
24	Fused-ring acceptor with a spiro-bridged ladder-type core for organic solar cells. Dyes and Pigments, 2019, 163, 153-158.	2.0	9
25	Planar copolymers for high-efficiency polymer solar cells. Science China Chemistry, 2019, 62, 9-13.	4.2	27
26	Facile Synthesis of the O-Functionalized Ladder-Type Dipyran Building Block and Its Application in Polymer Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 13931-13940.	4.0	9
27	Molecular Consideration for Small Molecular Acceptors Based on Ladderâ€Type Dipyran: Influences of Oâ€Functionalization and Ï€â€Bridges. Advanced Functional Materials, 2018, 28, 1705927.	7.8	49
28	A highly sensitive and photo-stable fluorescent probe for endogenous intracellular H2O2 imaging in live cancer cells. Dyes and Pigments, 2018, 153, 61-66.	2.0	31
29	High efficiency small molecular acceptors based on novel O-functionalized ladder-type dipyran building block. Nano Energy, 2018, 45, 10-20.	8.2	45
30	Synthesis of Saddle-Shaped Cyclooctatetrathiophene-Triazine Derivatives and Their Aggregation Induced Emissions (AIE) Properties. Chinese Journal of Organic Chemistry, 2018, 38, 1119.	0.6	3
31	Bright red fluorescent conjugated polymer nanoparticles with dibenzopyran as electron donor for cell imaging. Analytical Methods, 2017, 9, 3255-3259.	1.3	5
32	Simultaneous enhancement of the molecular planarity and the solubility of non-fullerene acceptors: effect of aliphatic side-chain substitution on the photovoltaic performance. Journal of Materials Chemistry A, 2017, 5, 7776-7783.	5.2	87
33	Two-Dimensional Conjugated Polymer Based on sp²-Carbon Bridged Indacenodithiophene for Efficient Polymer Solar Cells. Macromolecules, 2017, 50, 7984-7992.	2.2	27
34	Analysis of 2D flow and heat transfer modeling in fracture of porous media. Journal of Thermal Science, 2017, 26, 331-338.	0.9	18
35	Naphthotetrathiophene-Based Helicene-Like Molecules: Synthesis and Photophysical Properties. Journal of Organic Chemistry, 2016, 81, 4856-4860.	1.7	5
36	Side chain engineering of dithienosilole-based polymers for application in polymer solar cells. Dyes and Pigments, 2016, 134, 480-486.	2.0	7

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37	Planar Heptathienoacenes Based on Unsymmetric Dithieno[3,2-b:3â€²,4â€²-d]thiophene: Synthesis and Photophysical Properties. Journal of Organic Chemistry, 2016, 81, 8612-8616.	1.7	8
38	Thiophene-Based Double Helices: Syntheses, X-ray Structures, and Chiroptical Properties. Journal of the American Chemical Society, 2016, 138, 10002-10010.	6.6	39
39	Dibenzopyran-Based Wide Band Gap Conjugated Copolymers: Structural Design and Application for Polymer Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 31348-31358.	4.0	24
40	Side chain effect on poly(beznodithiophene-co-dithienobenzoquinoxaline) and their applications for polymer solar cells. Polymer, 2016, 82, 228-237.	1.8	19
41	Random dithienosilole-based terpolymers: Synthesis and application in polymer solar cells. Dyes and Pigments, 2016, 130, 63-69.	2.0	11
42	Novel dithienosilole-based conjugated copolymers and their application in bulk heterojunction solar cells. Polymer Chemistry, 2016, 7, 319-329.	1.9	9
43	Synthesis and molecular properties of butterfly-shaped tetrathiophene derivatives. Tetrahedron, 2015, 71, 1838-1843.	1.0	4
44	Efficient synthesis of dibenzopyran building block and its application in organic photovoltaics. Dyes and Pigments, 2015, 122, 184-191.	2.0	7
45	Silicon Spiro Double Helicene-like Compounds Based on Dithieno[2,3-b:3â€²,2â€²-d]thiophene: Syntheses and Crystal Structures. Journal of Organic Chemistry, 2015, 80, 11156-11161.	1.7	11
46	Benzocyclobutene barrier layer for suppressing conductance in nonlinear optical devices during electric field poling. Applied Physics Letters, 2014, 104, .	1.5	56
47	Donor Materials for Organic Solar Cell (OSC). , 2014, , 53-96.		1
48	Derivation of saddle shaped cyclooctatetrathiophene: increasing conjugation and fabricating pentamer. Tetrahedron, 2014, 70, 631-636.	1.0	40
49	Matrix-Assisted Poling of Monolithic Bridge-Disubstituted Organic NLO Chromophores. Chemistry of Materials, 2014, 26, 872-874.	3.2	86
50	Small Molecules of Cyclopentadithiophene Derivatives: Effect of Sulfur Atom Position and Substituted Groups on Their UVâ€“Abs Properties. Journal of Physical Chemistry C, 2014, 118, 7844-7855.	1.5	15
51	Synthesis and Characterization of Cyclooctatetrathiophenes with Different Connection Sequences. Journal of Organic Chemistry, 2014, 79, 2255-2262.	1.7	24
52	Synthesis of Dendrimers Based on Tetrakis(thiophene-2-yl)ethene as New Dendron. Organic Letters, 2013, 15, 354-357.	2.4	9
53	Selectivity of Br/Li Exchange and Deprotonation of 4,4â€²-Dibromo-3,3â€²-bithiophene for Synthesis of Symmetrical and Unsymmetrical Dithienoheteroaromatic Rings. Journal of Organic Chemistry, 2013, 78, 2726-2730.	1.7	12
54	Highly efficient copper-catalyzed hydroacylation reaction of aldehydes with azodicarboxylates. Tetrahedron Letters, 2011, 52, 5880-5883.	0.7	22

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55	Siloleâ€containing polymers for highâ€efficiency polymer solar cells. Journal of Polymer Science Part A, 2011, 49, 4267-4274.	2.5	40
56	Integration of New Organic Electro-Optic Materials into Silicon and Silicon Nitride Photonics and into Metamaterial and Plasmonic Device Structures. , 2011, , .		0
57	Highâ€Performance Organic Nanoscale Photoswitches Based on Nanogap Electrodes Coated with a Blend of Poly(3â€hexylthiophene) and [6,6]â€Phenylâ€C61â€butyric Acid Methyl Ester (P3HT:PCBM). Advanced Materials, 2010, 22, 1645-1648.	11.1	48
58	Conjugated polymers with broad absorption: Synthesis and application in polymer solar cells. Journal of Polymer Science Part A, 2010, 48, 2571-2578.	2.5	46
59	Triphenylamine-based dyes for dye-sensitized solar cells. Dyes and Pigments, 2009, 81, 224-230.	2.0	82
60	Phenylethyne-Bridged Dyes for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2009, 113, 13391-13397.	1.5	58