

Jinsheng Song

List of Publications by Year in descending order

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60
papers

1,959
citations

279487

23
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43
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docs citations

61
times ranked

2172
citing authors

#	ARTICLE	IF	CITATIONS
1	Noncovalently fused-ring electron acceptors with near-infrared absorption for high-performance organic solar cells. <i>Nature Communications</i> , 2019, 10, 3038.	5.8	297
2	High-Efficiency Organic Solar Cells Based on a Low-Cost Fully Non-Fused Electron Acceptor. <i>Advanced Functional Materials</i> , 2021, 31, 2101742.	7.8	98
3	Simultaneous enhancement of the molecular planarity and the solubility of non-fullerene acceptors: effect of aliphatic side-chain substitution on the photovoltaic performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7776-7783.	5.2	87
4	Matrix-Assisted Poling of Monolithic Bridge-Disubstituted Organic NLO Chromophores. <i>Chemistry of Materials</i> , 2014, 26, 872-874.	3.2	86
5	High-Efficiency As-Cast Organic Solar Cells Based on Acceptors with Steric Hindrance Induced Planar Terminal Group. <i>Advanced Energy Materials</i> , 2019, 9, 1901280.	10.2	86
6	Tuning the dipole moments of nonfullerene acceptors with an asymmetric terminal strategy for highly efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8889-8896.	5.2	86
7	Triphenylamine-based dyes for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2009, 81, 224-230.	2.0	82
8	Designing high performance conjugated materials for photovoltaic cells with the aid of intramolecular noncovalent interactions. <i>Chemical Communications</i> , 2021, 57, 302-314.	2.2	65
9	Realizing Efficient Single Organic Molecular White Light-Emitting Diodes from Conformational Isomerization of Quinazoline-Based Emitters. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14233-14243.	4.0	60
10	Phenylethyne-Bridged Dyes for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13391-13397.	1.5	58
11	Benzocyclobutene barrier layer for suppressing conductance in nonlinear optical devices during electric field poling. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	56
12	Molecular Consideration for Small Molecular Acceptors Based on Ladder-Type Dipyrans: Influences of O-Functionalization and I-Bridges. <i>Advanced Functional Materials</i> , 2018, 28, 1705927.	7.8	49
13	High-Performance Organic Nanoscale Photoswitches Based on Nanogap Electrodes Coated with a Blend of Poly(3-hexylthiophene) and [6,6]-Phenyl-C61-butylric Acid Methyl Ester (P3HT:PCBM). <i>Advanced Materials</i> , 2010, 22, 1645-1648.	11.1	48
14	High-Performance Simple Nonfused Ring Electron Acceptors with Diphenylamino Flanking Groups. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39652-39659.	4.0	47
15	Conjugated polymers with broad absorption: Synthesis and application in polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2571-2578.	2.5	46
16	High efficiency small molecular acceptors based on novel O-functionalized ladder-type dipyrans building block. <i>Nano Energy</i> , 2018, 45, 10-20.	8.2	45
17	Silole-containing polymers for high-efficiency polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4267-4274.	2.5	40
18	Derivation of saddle shaped cyclooctatetrathiophene: increasing conjugation and fabricating pentamer. <i>Tetrahedron</i> , 2014, 70, 631-636.	1.0	40

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19	Thiophene-Based Double Helices: Syntheses, X-ray Structures, and Chiroptical Properties. <i>Journal of the American Chemical Society</i> , 2016, 138, 10002-10010.	6.6	39
20	Perylene diimide based star-shaped small molecular acceptors for high efficiency organic solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 819-825.	2.7	37
21	A highly sensitive and photo-stable fluorescent probe for endogenous intracellular H ₂ O ₂ imaging in live cancer cells. <i>Dyes and Pigments</i> , 2018, 153, 61-66.	2.0	31
22	Two-Dimensional Conjugated Polymer Based on sp ² -Carbon Bridged Indacenodithiophene for Efficient Polymer Solar Cells. <i>Macromolecules</i> , 2017, 50, 7984-7992.	2.2	27
23	Planar copolymers for high-efficiency polymer solar cells. <i>Science China Chemistry</i> , 2019, 62, 9-13.	4.2	27
24	Synthesis and Characterization of Cyclooctatetrathiophenes with Different Connection Sequences. <i>Journal of Organic Chemistry</i> , 2014, 79, 2255-2262.	1.7	24
25	Dibenzopyran-Based Wide Band Gap Conjugated Copolymers: Structural Design and Application for Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31348-31358.	4.0	24
26	Impact of the Bonding Sites at the Inner or Outer π -Bridged Positions for Non-Fullerene Acceptors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19444-19451.	4.0	24
27	Highly efficient copper-catalyzed hydroacylation reaction of aldehydes with azodicarboxylates. <i>Tetrahedron Letters</i> , 2011, 52, 5880-5883.	0.7	22
28	Photovoltaic Performances of Fused Ring Acceptors with Isomerized Ladder-Type Dipyrans Cores. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4887-4894.	4.0	20
29	Side chain effect on poly(benzodithiophene-co-dithienobenzoquinoxaline) and their applications for polymer solar cells. <i>Polymer</i> , 2016, 82, 228-237.	1.8	19
30	Hybrid Nonfused-Ring Electron Acceptors with Fullerene Pendant for High-Efficiency Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1603-1611.	4.0	19
31	Analysis of 2D flow and heat transfer modeling in fracture of porous media. <i>Journal of Thermal Science</i> , 2017, 26, 331-338.	0.9	18
32	Perylene diimide acceptor with two planar arms and a twisted core for high efficiency polymer solar cells. <i>Dyes and Pigments</i> , 2020, 175, 108186.	2.0	17
33	Small Molecules of Cyclopentadithiophene Derivatives: Effect of Sulfur Atom Position and Substituted Groups on Their UV-Vis Properties. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7844-7855.	1.5	15
34	Simple dithienosilole-based nonfused nonfullerene acceptor for efficient organic photovoltaics. <i>Dyes and Pigments</i> , 2021, 184, 108789.	2.0	14
35	Insights into out-of-plane side chains effects on optoelectronic and photovoltaic properties of simple non-fused electron acceptors. <i>Organic Electronics</i> , 2021, 89, 106029.	1.4	14
36	Simple Tricyclic-Based A-D-A-Type Nonfullerene Acceptors for High-Efficiency Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6039-6047.	4.0	14

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37	High efficiency ternary organic solar cells via morphology regulation with asymmetric nonfused ring electron acceptor. <i>Chemical Engineering Journal</i> , 2022, 438, 135384.	6.6	14
38	Regulating molecular orientations of dipyran-based nonfullerene acceptors through side-chain engineering at the π -bridge. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22416-22422.	5.2	13
39	Selectivity of Br/Li Exchange and Deprotonation of 4,4'-Dibromo-3,3'-bithiophene for Synthesis of Symmetrical and Unsymmetrical Dithienoheteroaromatic Rings. <i>Journal of Organic Chemistry</i> , 2013, 78, 2726-2730.	1.7	12
40	Flexible π -Rigid Synergetic Strategy for Saddle-Shaped Perylene Diimide Acceptors in As-Cast Polymer Solar Cells. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10841-10849.	1.5	12
41	Silicon Spiro Double Helicene-like Compounds Based on Dithieno[2,3- <i>b</i> :3',2'- <i>d</i>]thiophene: Syntheses and Crystal Structures. <i>Journal of Organic Chemistry</i> , 2015, 80, 11156-11161.	1.7	11
42	Random dithienosilole-based terpolymers: Synthesis and application in polymer solar cells. <i>Dyes and Pigments</i> , 2016, 130, 63-69.	2.0	11
43	Synthesis of Dendrimers Based on Tetrakis(thiophene-2-yl)ethene as New Dendron. <i>Organic Letters</i> , 2013, 15, 354-357.	2.4	9
44	Novel dithienosilole-based conjugated copolymers and their application in bulk heterojunction solar cells. <i>Polymer Chemistry</i> , 2016, 7, 319-329.	1.9	9
45	Facile Synthesis of the O-Functionalized Ladder-Type Dipyran Building Block and Its Application in Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13931-13940.	4.0	9
46	Fused-ring acceptor with a spiro-bridged ladder-type core for organic solar cells. <i>Dyes and Pigments</i> , 2019, 163, 153-158.	2.0	9
47	Nonfullerene acceptors with an N-annulated perylene core and two perylene diimide units for efficient organic solar cells. <i>Dyes and Pigments</i> , 2020, 173, 107970.	2.0	9
48	Extended π -conjugated perylene diimide dimers toward efficient organic solar cells. <i>Dyes and Pigments</i> , 2020, 183, 108736.	2.0	9
49	Planar Heptathienoacenes Based on Unsymmetric Dithieno[3,2- <i>b</i> :3',4'- <i>d</i>]thiophene: Synthesis and Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2016, 81, 8612-8616.	1.7	8
50	Efficient synthesis of dibenzopyran building block and its application in organic photovoltaics. <i>Dyes and Pigments</i> , 2015, 122, 184-191.	2.0	7
51	Side chain engineering of dithienosilole-based polymers for application in polymer solar cells. <i>Dyes and Pigments</i> , 2016, 134, 480-486.	2.0	7
52	Naphthotetrathiophene-Based Helicene-Like Molecules: Synthesis and Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2016, 81, 4856-4860.	1.7	5
53	Bright red fluorescent conjugated polymer nanoparticles with dibenzopyran as electron donor for cell imaging. <i>Analytical Methods</i> , 2017, 9, 3255-3259.	1.3	5
54	Coupling mechanism between photogenerated carriers and triboelectric charges and photoinduced reinforcement of a triboelectric nanogenerator. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	5

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55	Synthesis and molecular properties of butterfly-shaped tetrathiophene derivatives. <i>Tetrahedron</i> , 2015, 71, 1838-1843.	1.0	4
56	Unraveling the Photovoltaic, Mechanical, and Microstructural Properties and Their Correlations in Simple Poly(3-hexylthiophene) Solar Cells. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200229.	2.0	4
57	Synthesis of Saddle-Shaped Cyclooctatetrathiophene-Triazine Derivatives and Their Aggregation Induced Emissions (AIE) Properties. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 1119.	0.6	3
58	Using fullerene as the third component to boosting the photovoltaic performances of pyran acceptor. <i>Dyes and Pigments</i> , 2022, 197, 109933.	2.0	2
59	Donor Materials for Organic Solar Cell (OSC). , 2014, , 53-96.		1
60	Integration of New Organic Electro-Optic Materials into Silicon and Silicon Nitride Photonics and into Metamaterial and Plasmonic Device Structures. , 2011, , .		0