

Guangwu Li

List of Publications by Year in descending order

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60
papers

2,147
citations

218677

26
h-index

233421

45
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60
all docs

60
docs citations

60
times ranked

2569
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping Polymer Donors toward High-Efficiency Fullerene Free Organic Solar Cells. <i>Advanced Materials</i> , 2017, 29, 1604155.	21.0	360
2	Global Aromaticity in Macrocyclic Polyradicaloids: Hückel's Rule or Baird's Rule?. <i>Accounts of Chemical Research</i> , 2019, 52, 2309-2321.	15.6	139
3	On-surface synthesis of graphene nanostructures with π -magnetism. <i>Chemical Society Reviews</i> , 2021, 50, 3238-3262.	38.1	102
4	Formation of Azulene-Embedded Nanographene: Naphthalene to Azulene Rearrangement During the Scholl Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9026-9031.	13.8	95
5	1,8-Naphthalimide-Based Planar Small Molecular Acceptor for Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5475-5483.	8.0	80
6	4-Alkyl-3,5-difluorophenyl-Substituted Benzodithiophene-Based Wide Band Gap Polymers for High-Efficiency Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3686-3692.	8.0	75
7	Diazulenoindacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16737-16741.	13.8	69
8	Stable Olympicycnyl Radicals and Their π -Dimers. <i>Journal of the American Chemical Society</i> , 2020, 142, 11022-11031.	13.7	63
9	Global Aromaticity in Macrocyclic Cyclopenta-fused Tetraperanthrenylene Tetraradicaloid and Its Charged Species. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13052-13056.	13.8	54
10	Triindole-cored star-shaped molecules for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7657.	10.3	53
11	Benzothiadiazole based conjugated polymers for high performance polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20195-20200.	10.3	52
12	A nonfullerene acceptor for wide band gap polymer based organic solar cells. <i>Chemical Communications</i> , 2016, 52, 469-472.	4.1	48
13	Formation of Azulene-Embedded Nanographene: Naphthalene to Azulene Rearrangement During the Scholl Reaction. <i>Angewandte Chemie</i> , 2020, 132, 9111-9116.	2.0	45
14	Ultrahigh-yield on-surface synthesis and assembly of circumcoronene into a chiral electronic Kagome-honeycomb lattice. <i>Science Advances</i> , 2021, 7, .	10.3	43
15	1,8-Naphthalimide-based nonfullerene acceptors for wide optical band gap polymer solar cells with an ultrathin active layer thickness of 35 nm. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5656-5663.	5.5	42
16	A 1,8-naphthalimide based small molecular acceptor for polymer solar cells with high open circuit voltage. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6979-6985.	5.5	41
17	An effective way to reduce energy loss and enhance open-circuit voltage in polymer solar cells based on a diketopyrrolopyrrole polymer containing three regular alternating units. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13265-13270.	10.3	41
18	Enhancing the power conversion efficiency of polymer solar cells to 9.26% by a synergistic effect of fluoro and carboxylate substitution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8097-8104.	10.3	39

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19	Side Chain Influence on the Morphology and Photovoltaic Performance of 5-Fluoro-6-alkoxybenzothiadiazole and Benzodithiophene Based Conjugated Polymers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10710-10717.	8.0	38
20	Facile Synthesis of Nitrogen-Doped [(6,8)-m ⁸ n ⁸] Cyclacene Carbon Nanobelts by a One-Pot Self-Condensation Reaction. <i>Journal of the American Chemical Society</i> , 2021, 143, 2716-2721.	13.7	38
21	Stable Oxindolyl-Based Analogues of Chichibabin's and M ¹ / ⁴ ller's Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14154-14158.	13.8	34
22	Toward Stable Superbenzoquinone Diradicaloids. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5012-5016.	13.8	32
23	Machine Vision Automated Chiral Molecule Detection and Classification in Molecular Imaging. <i>Journal of the American Chemical Society</i> , 2021, 143, 10177-10188.	13.7	30
24	From Open-Shell Singlet Diradicaloid to Closed-Shell Global Antiaromatic Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7166-7170.	13.8	29
25	5,6-Difluorobenzothiadiazole and silafluorene based conjugated polymers for organic photovoltaic cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5116-5123.	5.5	27
26	Hyperbranched polymer as an acceptor for polymer solar cells. <i>Chemical Communications</i> , 2017, 53, 537-540.	4.1	26
27	Benzidine/Quinoidal-Benzidine-Linked, Superbenzene-Based Conjugated Chiral Macrocycles and Cyclophanes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9727-9735.	13.8	25
28	Synthesis and Structural Elucidation of Bisdibenzocorannulene in Multiple Redox States. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19790-19796.	13.8	25
29	Diazuleno-indacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. <i>Angewandte Chemie</i> , 2018, 130, 16979-16983.	2.0	24
30	Perylene-Fused, Aggregation-Free Polycyclic Aromatic Hydrocarbons for Solution-Processed Distributed Feedback Lasers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14927-14934.	13.8	24
31	Thiophene-Fused 1,10-Phenanthroline and Its Conjugated Polymers. <i>Macromolecules</i> , 2016, 49, 4088-4094.	4.8	22
32	Facile Synthesis of Aryl-Substituted Cycloarenes via Bismuth(III) Triflate-Catalyzed Cyclization of Vinyl Ethers. <i>CCS Chemistry</i> , 2021, 3, 1445-1452.	7.8	21
33	Surface photografting initiated by benzophenone in water and mixed solvents containing water and ethanol. <i>Journal of Applied Polymer Science</i> , 2012, 123, 1951-1959.	2.6	19
34	Influence of polymer side chains on the photovoltaic performance of non-fullerene organic solar cells. <i>Journal of Materials Chemistry C</i> , 2017, 5, 937-942.	5.5	19
35	Dearomatization Approach Toward a Superbenzoquinone-Based Diradicaloid, Tetraradicaloid, and Hexaradicaloid. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14319-14326.	13.8	19
36	Toward Stable Superbenzoquinone Diradicaloids. <i>Angewandte Chemie</i> , 2017, 129, 5094-5098.	2.0	18

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37	The side chain effect on difluoro-substituted dibenzo[a,c]phenazine based conjugated polymers as donor materials for high efficiency polymer solar cells. <i>Polymer Chemistry</i> , 2015, 6, 1613-1618.	3.9	17
38	Global Aromaticity in Macrocyclic Cyclopenta-fused Tetraphenanthrenylene Tetradicaloid and Its Charged Species. <i>Angewandte Chemie</i> , 2018, 130, 13236-13240.	2.0	17
39	Perylene Monoimide Dimers Enhance Ternary Organic Solar Cells Efficiency by Induced Crystallinity. <i>ACS Applied Energy Materials</i> , 2019, 2, 305-311.	5.1	16
40	Fused Quinoidal Dithiophene-based Helicenes: Synthesis by Intramolecular Radical-Radical Coupling Reactions and Dynamics of Interconversion of Enantiomers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10326-10333.	13.8	16
41	Planar Conjugated Polymers Containing 9,10-disubstituted Phenanthrene Units for Efficient Polymer Solar Cells. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1142-1147.	3.9	14
42	Enhancing the Performance of Polymer Solar Cells by Using Donor Polymers Carrying Discretely Distributed Side Chains. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24020-24026.	8.0	14
43	Real-Space Imaging of a Single-Molecule Monoradical Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 13550-13557.	13.7	14
44	Finely designed medium-band-gap polymer donor with judiciously selecting chalcogen atom for high efficiency polymer solar cell. <i>Dyes and Pigments</i> , 2017, 141, 342-347.	3.7	13
45	From Open-shell Singlet Diradicaloid to Closed-shell Global Antiaromatic Macrocycles. <i>Angewandte Chemie</i> , 2018, 130, 7284-7288.	2.0	13
46	One step to perylene monoimides and derived alkynyl bridged photovoltaic acceptors. <i>Dyes and Pigments</i> , 2019, 160, 540-545.	3.7	13
47	Engineering the band gap and energy level of conjugated polymers using a second acceptor unit. <i>Polymer Chemistry</i> , 2014, 5, 5037-5045.	3.9	11
48	Stable Oxindolyl-based Analogues of Chichibabin's and Müller's Hydrocarbons. <i>Angewandte Chemie</i> , 2017, 129, 14342-14346.	2.0	10
49	Dearomatization Approach Toward a Superbenzoquinone-based Diradicaloid, Tetradicaloid, and Hexaradicaloid. <i>Angewandte Chemie</i> , 2019, 131, 14457-14464.	2.0	10
50	Using ternary blend as a strategy to improve the driving force for charge transfer and facilitate electron transport in polymer solar cells. <i>Organic Electronics</i> , 2019, 65, 419-425.	2.6	10
51	Influence of substrate temperature on the film morphology and photovoltaic performance of non-fullerene organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 1-6.	6.2	9
52	Enhancing the performance of polymer solar cells by tuning the drying process of blend films via changing side chains and using solvent additives. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9670-9677.	5.5	7
53	Perylene-fused, Aggregation-free Polycyclic Aromatic Hydrocarbons for Solution-processed Distributed Feedback Lasers. <i>Angewandte Chemie</i> , 2020, 132, 15037-15044.	2.0	6
54	Insights into the influence of fluorination positions on polymer donor materials on photovoltaic performance. <i>Organic Electronics</i> , 2017, 46, 115-120.	2.6	5

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55	Benzidine/Quinoidalâ€Benzidineâ€Linked, Superbenzeneâ€Based Ĩâ€Conjugated Chiral Macrocycles and Cyclophanes. <i>Angewandte Chemie</i> , 2020, 132, 9814-9822.	2.0	5
56	Highly Strained 1,8-Naphthalene-Bridged Cyclic Oligophenylenes and Their Open-Shell Diradical Dications. <i>Organic Letters</i> , 2021, 23, 4860-4863.	4.6	4
57	Synthesis and Structural Elucidation of Bisdibenzocorannulene in Multiple Redox States. <i>Angewandte Chemie</i> , 2021, 133, 19943-19949.	2.0	4
58	Data on the detail information of influence of substrate temperature on the film morphology and photovoltaic performance of non-fullerene organic solar cells. <i>Data in Brief</i> , 2017, 14, 531-537.	1.0	3
59	Fused Quinoidal Dithiopheneâ€Based Helicenes: Synthesis by Intramolecular Radicalâ€Radical Coupling Reactions and Dynamics of Interconversion of Enantiomers. <i>Angewandte Chemie</i> , 2021, 133, 10414-10421.	2.0	3
60	Tailoring long-range superlattice chirality in molecular self-assemblies <i>via</i> weak fluorine-mediated interactions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21489-21495.	2.8	2