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 g-index
60 all docs	60 docs citations	60 times ranked	2569 citing authors

#	Article	IF	Citations
1	Tailoring long-range superlattice chirality in molecular self-assemblies via weak fluorine-mediated interactions. Physical Chemistry Chemical Physics, 2021, 23, 21489-21495.	2.8	2
2	Ultrahigh-yield on-surface synthesis and assembly of circumcoronene into a chiral electronic Kagome-honeycomb lattice. Science Advances, 2021, 7, .	10.3	43
3	On-surface synthesis of graphene nanostructures with Ï€-magnetism. Chemical Society Reviews, 2021, 50, 3238-3262.	38.1	102
4	Facile Synthesis of Nitrogen-Doped [(6.)_m8]_nCyclacene Carbon Nanobelts by a One-Pot Self-Condensation Reaction. Journal of the American Chemical Society, 2021, 143, 2716-2721.	13.7	38
5	Fused Quinoidal Dithiopheneâ€Based Helicenes: Synthesis by Intramolecular Radicalâ€“Radical Coupling Reactions and Dynamics of Interconversion of Enantiomers. Angewandte Chemie, 2021, 133, 10414-10421.	2.0	3
6	Fused Quinoidal Dithiopheneâ€Based Helicenes: Synthesis by Intramolecular Radicalâ€“Radical Coupling Reactions and Dynamics of Interconversion of Enantiomers. Angewandte Chemie - International Edition, 2021, 60, 10326-10333.	13.8	16
7	Facile Synthesis of Aryl-Substituted Cycloarenes via Bismuth(III) Triflate-Catalyzed Cyclization of Vinyl Ethers. CCS Chemistry, 2021, 3, 1445-1452.	7.8	21
8	Highly Strained 1,8-Naphthalene-Bridged Cyclic Oligophenylenes and Their Open-Shell Diradical Dications. Organic Letters, 2021, 23, 4860-4863.	4.6	4
9	Machine Vision Automated Chiral Molecule Detection and Classification in Molecular Imaging. Journal of the American Chemical Society, 2021, 143, 10177-10188.	13.7	30
10	Synthesis and Structural Elucidation of Bisdibenzocorannulene in Multiple Redox States. Angewandte Chemie - International Edition, 2021, 60, 19790-19796.	13.8	25
11	Synthesis and Structural Elucidation of Bisdibenzocorannulene in Multiple Redox States. Angewandte Chemie, 2021, 133, 19943-19949.	2.0	4
12	Stable Olympicenyl Radicals and Their Ï€-Dimers. Journal of the American Chemical Society, 2020, 142, 11022-11031.	13.7	63
13	Benzidine/QuinoidalâBenzidineâLinked, SuperbenzeneâBased Ïâ€Conjugated Chiral Macrocycles and Cyclophanes. Angewandte Chemie - International Edition, 2020, 59, 9727-9735.	13.8	25
14	Benzidine/QuinoidalâBenzidineâLinked, SuperbenzeneâBased Ïâ€Conjugated Chiral Macrocycles and Cyclophanes. Angewandte Chemie, 2020, 132, 9814-9822.	2.0	5
15	Real-Space Imaging of a Single-Molecule Monoradical Reaction. Journal of the American Chemical Society, 2020, 142, 13550-13557.	13.7	14
16	Formation of AzuleneâEmbedded Nanographene: Naphthalene to Azulene Rearrangement During the Scholl Reaction. Angewandte Chemie, 2020, 132, 9111-9116.	2.0	45
17	Formation of AzuleneâEmbedded Nanographene: Naphthalene to Azulene Rearrangement During the Scholl Reaction. Angewandte Chemie - International Edition, 2020, 59, 9026-9031.	13.8	95
18	PeryleneâFused, AggregationâFree Polycyclic Aromatic Hydrocarbons for SolutionâProcessed Distributed Feedback Lasers. Angewandte Chemie, 2020, 132, 15037-15044.	2.0	6

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19	Peryleneâ€Fused, Aggregationâ€Free Polycyclic Aromatic Hydrocarbons for Solutionâ€Processed Distributed Feedback Lasers. Angewandte Chemie - International Edition, 2020, 59, 14927-14934.	13.8	24
20	Dearomatization Approach Toward a Superbenzoquinoneâ€Based Diradicaloid, Tetraradicaloid, and Hexaradicaloid. Angewandte Chemie - International Edition, 2019, 58, 14319-14326.	13.8	19
21	Dearomatization Approach Toward a Superbenzoquinoneâ€Based Diradicaloid, Tetraradicaloid, and Hexaradicaloid. Angewandte Chemie, 2019, 131, 14457-14464.	2.0	10
22	Global Aromaticity in Macrocyclic Polyradicaloids: HÃ¼ckelâ€™s Rule or Bairdâ€™s Rule?. Accounts of Chemical Research, 2019, 52, 2309-2321.	15.6	139
23	One step to perylene monoimides and derived alkynyl bridged photovoltaic acceptors. Dyes and Pigments, 2019, 160, 540-545.	3.7	13
24	Perylene Monoimide Dimers Enhance Ternary Organic Solar Cells Efficiency by Induced Dâ€“A Crystallinity. ACS Applied Energy Materials, 2019, 2, 305-311.	5.1	16
25	Using ternary blend as a strategy to improve the driving force for charge transfer and facilitate electron transport in polymer solar cells. Organic Electronics, 2019, 65, 419-425.	2.6	10
26	From Openâ€Shell Singlet Diradicaloid to Closedâ€Shell Global Antiaromatic Macrocycles. Angewandte Chemie, 2018, 130, 7284-7288.	2.0	13
27	From Openâ€Shell Singlet Diradicaloid to Closedâ€Shell Global Antiaromatic Macrocycles. Angewandte Chemie - International Edition, 2018, 57, 7166-7170.	13.8	29
28	Diazulenoâ€sâ€indacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. Angewandte Chemie, 2018, 130, 16979-16983.	2.0	24
29	Diazulenoâ€sâ€indacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. Angewandte Chemie - International Edition, 2018, 57, 16737-16741.	13.8	69
30	Global Aromaticity in Macrocyclic Cyclopentaâ€Fused Tetraphenanthrenylene Tetraradicaloid and Its Charged Species. Angewandte Chemie, 2018, 130, 13236-13240.	2.0	17
31	Global Aromaticity in Macrocyclic Cyclopentaâ€Fused Tetraphenanthrenylene Tetraradicaloid and Its Charged Species. Angewandte Chemie - International Edition, 2018, 57, 13052-13056.	13.8	54
32	Influence of substrate temperature on the film morphology and photovoltaic performance of non-fullerene organic solar cells. Solar Energy Materials and Solar Cells, 2018, 174, 1-6.	6.2	9
33	Finely designed medium-band-gap polymer donor with judiciously selecting chalcogen atom for high efficiency polymer solar cell. Dyes and Pigments, 2017, 141, 342-347.	3.7	13
34	Toward Stable Superbenzoquinone Diradicaloids. Angewandte Chemie, 2017, 129, 5094-5098.	2.0	18
35	Insights into the influence of fluorination positions on polymer donor materials on photovoltaic performance. Organic Electronics, 2017, 46, 115-120.	2.6	5
36	Enhancing the Performance of Polymer Solar Cells by Using Donor Polymers Carrying Discretely Distributed Side Chains. ACS Applied Materials & Interfaces, 2017, 9, 24020-24026.	8.0	14

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37	Toward Stable Superbenzoquinone Diradicaloids. Angewandte Chemie - International Edition, 2017, 56, 5012-5016.	13.8	32
38	Hyperbranched polymer as an acceptor for polymer solar cells. Chemical Communications, 2017, 53, 537-540.	4.1	26
39	Influence of polymer side chains on the photovoltaic performance of non-fullerene organic solar cells. Journal of Materials Chemistry C, 2017, 5, 937-942.	5.5	19
40	Stable Oxindolylâ€Based Analogues of Chichibabin's and MÃ¼ller's Hydrocarbons. Angewandte Chemie - International Edition, 2017, 56, 14154-14158.	13.8	34
41	Stable Oxindolylâ€Based Analogues of Chichibabin's and MÃ¼ller's Hydrocarbons. Angewandte Chemie, 2017, 129, 14342-14346.	2.0	10
42	Data on the detail information of influence of substrate temperature on the film morphology and photovoltaic performance of non-fullerene organic solar cells. Data in Brief, 2017, 14, 531-537.	1.0	3
43	Mapping Polymer Donors toward Highâ€Efficiency Fullerene Free Organic Solar Cells. Advanced Materials, 2017, 29, 1604155.	21.0	360
44	Thiophene-Fused 1,10-Phenanthroline and Its Conjugated Polymers. Macromolecules, 2016, 49, 4088-4094.	4.8	22
45	Enhancing the power conversion efficiency of polymer solar cells to 9.26% by a synergistic effect of fluoro and carboxylate substitution. Journal of Materials Chemistry A, 2016, 4, 8097-8104.	10.3	39
46	1,8-Naphthalimide-based nonfullerene acceptors for wide optical band gap polymer solar cells with an ultrathin active layer thickness of 35 nm. Journal of Materials Chemistry C, 2016, 4, 5656-5663.	5.5	42
47	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. Journal of Materials Chemistry A, 2016, 4, 13265-13270.	10.3	41
48	1,8-Naphthalimide-Based Planar Small Molecular Acceptor for Organic Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 5475-5483.	8.0	80
49	4-Alkyl-3,5-difluorophenyl-Substituted Benzodithiophene-Based Wide Band Gap Polymers for High-Efficiency Polymer Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 3686-3692.	8.0	75
50	A nonfullerene acceptor for wide band gap polymer based organic solar cells. Chemical Communications, 2016, 52, 469-472.	4.1	48
51	A 1,8-naphthalimide based small molecular acceptor for polymer solar cells with high open circuit voltage. Journal of Materials Chemistry C, 2015, 3, 6979-6985.	5.5	41
52	Side Chain Influence on the Morphology and Photovoltaic Performance of 5-Fluoro-6-alkyloxybenzothiadiazole and Benzodithiophene Based Conjugated Polymers. ACS Applied Materials & Interfaces, 2015, 7, 10710-10717.	8.0	38
53	Enhancing the performance of polymer solar cells by tuning the drying process of blend films via changing side chains and using solvent additives. Journal of Materials Chemistry C, 2015, 3, 9670-9677.	5.5	7
54	Benzothiadiazole based conjugated polymers for high performance polymer solar cells. Journal of Materials Chemistry A, 2015, 3, 20195-20200.	10.3	52

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55	The side chain effect on difluoro-substituted dibenzo[a,c]phenazine based conjugated polymers as donor materials for high efficiency polymer solar cells. Polymer Chemistry, 2015, 6, 1613-1618.	3.9	17
56	Planar Conjugated Polymers Containing 9,10â€Disubstituted Phenanthrene Units for Efficient Polymer Solar Cells. Macromolecular Rapid Communications, 2014, 35, 1142-1147.	3.9	14
57	5,6-Difluorobenzothiadiazole and silafluorene based conjugated polymers for organic photovoltaic cells. Journal of Materials Chemistry C, 2014, 2, 5116-5123.	5.5	27
58	Engineering the band gap and energy level of conjugated polymers using a second acceptor unit. Polymer Chemistry, 2014, 5, 5037-5045.	3.9	11
59	Triindole-cored star-shaped molecules for organic solar cells. Journal of Materials Chemistry A, 2013, 1, 7657.	10.3	53
60	Surface photografting initiated by benzophenone in water and mixed solvents containing water and ethanol. Journal of Applied Polymer Science, 2012, 123, 1951-1959.	2.6	19