Jishan Wu

List of Publications by Year
in descending order

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351 papers	24,065 citations	9234 74 h-index	10127 140 g-index
374 all docs	374 docs citations	374 times ranked	20764 citing authors

#	Article	IF	Citations
1	Graphenes as Potential Material for Electronics. Chemical Reviews, 2007, 107, 718-747.	23.0	2,480
2	Graphene/Polyaniline Nanofiber Composites as Supercapacitor Electrodes. Chemistry of Materials, 2010, 22, 1392-1401.	3.2	2,060
3	Low band gap polycyclic hydrocarbons: from closed-shell near infrared dyes and semiconductors to open-shell radicals. Chemical Society Reviews, 2012, 41, 7857.	18.7	590
4	Far-red and near infrared BODIPY dyes: synthesis and applications for fluorescent pH probes and bio-imaging. Organic and Biomolecular Chemistry, 2014, 12, 3774.	1.5	570
5	Pro-aromatic and anti-aromatic Ï€-conjugated molecules: an irresistible wish to be diradicals. Chemical Society Reviews, 2015, 44, 6578-6596.	18.7	522
6	Zethrenes, Extended p-Quinodimethanes, and Periacenes with a Singlet Biradical Ground State. Accounts of Chemical Research, 2014, 47, 2582-2591.	7.6	376
7	Graphene oxide/ferric hydroxide composites for efficient arsenate removal from drinking water. Journal of Hazardous Materials, 2010, 182, 162-168.	6.5	295
8	N-Annulated Perylene as An Efficient Electron Donor for Porphyrin-Based Dyes: Enhanced Light-Harvesting Ability and High-Efficiency Co(II/III)-Based Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2014, 136, 265-272.	6.6	283
9	From graphite molecules to columnar superstructures â€“ an exercise in nanoscience. Journal of Materials Chemistry, 2004, 14, 494-504.	6.7	281
10	Graphene/nanosized silicon composites for lithium battery anodes with improved cycling stability. Carbon, 2011, 49, 1787-1796.	5.4	275
11	Poly(2,7-carbazole) and perylene tetracarboxydiimide: a promising donor/acceptor pair for polymer solar cells. Journal of Materials Chemistry, 2006, 16, 96-100.	6.7	269
12	Surfactant-intercalated, chemically reduced graphene oxide for high performance supercapacitor electrodes. Journal of Materials Chemistry, 2011, 21, 7302.	6.7	262
13	Kinetically Blocked Stable Heptazethrene and Octazethrene: Closed-Shell or Open-Shell in the Ground State?. Journal of the American Chemical Society, 2012, 134, 14913-14922.	6.6	256
14	Nanostructured MnO₂/graphene composites for supercapacitor electrodes: the effect of morphology, crystallinity and composition. Journal of Materials Chemistry, 2012, 22, 1845-1851.	6.7	252
15	Surfactant-stabilized graphene/polyaniline nanofiber composites for high performance supercapacitor electrode. Journal of Materials Chemistry, 2012, 22, 80-85.	6.7	236
16	Tuneable near white-emissive two-dimensional covalent organic frameworks. Nature Communications, 2018, 9, 2335.	5.8	230
17	Stable Tetrabenzo-Chichibabinâ€™s Hydrocarbons: Tunable Ground State and Unusual Transition between Their Closed-Shell and Open-Shell Resonance Forms. Journal of the American Chemical Society, 2012, 134, 14513-14525.	6.6	218
18	From open-shell singlet diradicaloids to polyradicaloids. Chemical Communications, 2018, 54, 2186-2199.	2.2	213

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19	Hexakis(4-iodophenyl)-peri-hexabenzocoronene- A Versatile Building Block for Highly Ordered Discotic Liquid Crystalline Materials. Journal of the American Chemical Society, 2004, 126, 177-186.	6.6	202
20	An Acidâ€“Baseâ€€Controllable [c2]Daisy Chain. Angewandte Chemie - International Edition, 2008, 47, 7470-7474.	7.2	201
21	High Anisotropy of the Field-Effect Transistor Mobility in Magnetically Aligned Discotic Liquid-Crystalline Semiconductors. Journal of the American Chemical Society, 2005, 127, 16233-16237.	6.6	197
22	Acidâ^'Base Actuation of [c2]Daisy Chains. Journal of the American Chemical Society, 2009, 131, 7126-7134.	6.6	195
23	Tuneable Singlet Exciton Fission and Tripletâ€“Triplet Annihilation in an Orthogonal Pentacene Dimer. Advanced Functional Materials, 2015, 25, 5452-5461.	7.8	184
24	Pushing Extended p-Quinodimethanes to the Limit: Stable Tetracyano-oligo(N-annulated) Tj ETQq0 0 0 rgBT /Overlock 10 T 2013, 135, 6363-6371.	6.6	170
25	Dibenzoheptazethrene Isomers with Different Biradical Characters: An Exercise of Clarâ€™s Aromatic Sextet Rule in Singlet Biradicaloids. Journal of the American Chemical Society, 2013, 135, 18229-18236.	6.6	167
26	Soluble and Stable Heptazethrenebis(dicarboximide) with a Singlet Open-Shell Ground State. Journal of the American Chemical Society, 2011, 133, 11896-11899.	6.6	162
27	Controlled Self-Assembly of Hexa-peri-hexabenzocoronenes in Solution. Journal of the American Chemical Society, 2004, 126, 11311-11321.	6.6	161
28	Atomically precise bottom-up synthesis of Ï€-extended [5]triangulene. Science Advances, 2019, 5, eaav7717.	4.7	159
29	Open-shell polycyclic aromatic hydrocarbons. Journal of Materials Chemistry, 2012, 22, 4151-4160.	6.7	157
30	Tuning the role of charge-transfer states in intramolecular singlet exciton fission through side-group engineering. Nature Communications, 2016, 7, 13622.	5.8	157
31	Toward Twoâ€Dimensional Ïâ€Conjugated Covalent Organic Radical Frameworks. Angewandte Chemie - International Edition, 2018, 57, 8007-8011.	7.2	140
32	Global Aromaticity in Macrocyclic Polyradicaloids: HÃ¼ckelâ€™s Rule or Bairdâ€™s Rule?. Accounts of Chemical Research, 2019, 52, 2309-2321.	7.6	139
33	Open-Shell Graphene Fragments. CheM, 2021, 7, 358-386.	5.8	136
34	Ag2CO3/UiO-66(Zr) composite with enhanced visible-light promoted photocatalytic activity for dye degradation. Journal of Hazardous Materials, 2015, 299, 132-140.	6.5	130
35	From Branched Polyphenylenes to Graphite Ribbons. Macromolecules, 2003, 36, 7082-7089.	2.2	126
36	Triangle-Shaped Polycyclic Aromatic Hydrocarbons. Angewandte Chemie - International Edition, 2007, 46, 3033-3036.	7.2	126

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37	Controlled Growth of Largeâ€Area Highâ€Performance Smallâ€Molecule Organic Singleâ€Crystalline Transistors by Slotâ€Die Coating Using A Mixed Solvent System. Advanced Materials, 2013, 25, 6442-6447.	11.1	123
38	Perylene-Fused BODIPY Dye with Near-IR Absorption/Emission and High Photostability. Organic Letters, 2011, 13, 632-635.	2.4	119
39	Higher Order Ï€-Conjugated Polycyclic Hydrocarbons with Open-Shell Singlet Ground State: Nonazethrene versus Nonacene. Journal of the American Chemical Society, 2016, 138, 10323-10330.	6.6	118
40	Rylene Ribbons with Unusual Diradical Character. CheM, 2017, 2, 81-92.	5.8	116
41	Graphene and Graphene-like Molecules: Prospects in Solar Cells. Journal of the American Chemical Society, 2016, 138, 1095-1102.	6.6	115
42	Efficient production of [n]rotaxanes by using template-directed clipping reactions. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17266-17271.	3.3	114
43	New Discotic Mesogens Based on Triphenylene-Fused Triazatruxenes: Synthesis, Physical Properties, and Self-Assembly. Chemistry of Materials, 2010, 22, 435-449.	3.2	113
44	Perylene Anhydride Fused Porphyrins as Near-Infrared Sensitizers for Dye-Sensitized Solar Cells. Organic Letters, 2011, 13, 3652-3655.	2.4	113
45	Carbonization of Disclike Molecules in Porous Alumina Membranes: Toward Carbon Nanotubes with Controlled Graphene-Layer Orientation. Angewandte Chemie - International Edition, 2005, 44, 2120-2123.	7.2	111
46	Macrocyclic Polyradicaloids with Unusual Super-ring Structure and Global Aromaticity. CheM, 2018, 4, 1586-1595.	5.8	110
47	Efficient Singlet Fission and Triplet-Pair Emission in a Family of Zethrene Diradicaloids. Journal of the American Chemical Society, 2017, 139, 18376-18385.	6.6	107
48	Toward Tetraradicaloid: The Effect of Fusion Mode on Radical Character and Chemical Reactivity. Journal of the American Chemical Society, 2016, 138, 1065-1077.	6.6	103
49	Enhanced visible-light photocatalytic performance of BiOBr/UiO-66(Zr) composite for dye degradation with the assistance of UiO-66. RSC Advances, 2015, 5, 39592-39600.	1.7	102
50	On-surface synthesis of graphene nanostructures with Ï€-magnetism. Chemical Society Reviews, 2021, 50, 3238-3262.	18.7	102
51	Engineering a FRET strategy to achieve a ratiometric two-photon fluorescence response with a large emission shift and its application to fluorescence imaging. Chemical Science, 2015, 6, 2360-2365.	3.7	101
52	3D global aromaticity in a fully conjugated diradicaloid cage at different oxidation states. Nature Chemistry, 2020, 12, 242-248.	6.6	101
53	Hexa-peri-hexabenzocoronenes by Efficient Oxidative Cyclodehydrogenation:â€‰ The Role of the Oligophenylene Precursors. Organic Letters, 2006, 8, 1145-1148.	2.4	100
54	Benzenoid Polycyclic Hydrocarbons with an Openâ€“Shell Biradical Ground State. Chemistry - an Asian Journal, 2013, 8, 2894-2904.	1.7	100

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55	A Diradical Approach towards BODIPYâ€Based Dyes with Intense Nearâ€Infrared Absorption around Î»=1100â€…nm. Angewandte Chemie - International Edition, 2016, 55, 2815-2819.	7.2	100
56	2D Covalent Organic Frameworks: From Synthetic Strategies to Advanced Opticalâ€Electricalâ€Magnetic Functionalities. Advanced Materials, 2022, 34, e2102290.	11.1	96
57	Tetracyanoquaterrylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Nearâ€Infrared Absorption. Angewandte Chemie - International Edition, 2013, 52, 8561-8565.	7.2	94
58	From Branched Hydrocarbon Propellers toC3-Symmetric Graphite Disks. Journal of Organic Chemistry, 2004, 69, 5179-5186.	1.7	93
59	Pushâ€“Pull Type Oligo(N-annulated perylene)quinodimethanes: Chain Length and Solvent-Dependent Ground States and Physical Properties. Journal of the American Chemical Society, 2015, 137, 8572-8583.	6.6	93
60	Structural Evolution of Hexa-peri-hexabenzocoronene Adlayers in Heteroepitaxy onn-Pentacontane Template Monolayers. Journal of the American Chemical Society, 2005, 127, 16245-16250.	6.6	92
61	Stepwise Cyanation of Naphthalene Diimide for n-Channel Field-Effect Transistors. Organic Letters, 2012, 14, 2964-2967.	2.4	92
62	Benzene-fused BODIPYs: synthesis and the impact of fusion mode. Chemical Communications, 2013, 49, 1217.	2.2	92
63	A Periâ€tetracene Diradicaloid: Synthesis and Properties. Angewandte Chemie - International Edition, 2018, 57, 9697-9701.	7.2	92
64	N-Annulated Perylene Fused Porphyrins with Enhanced Near-IR Absorption and Emission. Organic Letters, 2010, 12, 4046-4049.	2.4	91
65	BODIPYâ€Fused Porphyrins as Soluble and Stable Nearâ€IR Dyes. Chemistry - A European Journal, 2011, 17, 6610-6614.	1.7	91
66	Synthesis, Self-Assembly, and Charge Transporting Property of Contorted Tetrabenzocoronenes. Journal of Organic Chemistry, 2010, 75, 8069-8077.	1.7	88
67	Pyrolyzed graphene oxide/resorcinol-formaldehyde resin composites as high-performance supercapacitor electrodes. Journal of Materials Chemistry, 2011, 21, 2663.	6.7	87
68	Anthracene-Fused BODIPYs as Near-Infrared Dyes with High Photostability. Organic Letters, 2011, 13, 6026-6029.	2.4	85
69	Solid-State Pyrolyses of Metal Phthalocyanines: A Simple Approach towards Nitrogen-Doped CNTs and Metal/Carbon Nanocables. Small, 2005, 1, 798-801.	5.2	84
70	Nanotubes Fabricated from Niâ^'Naphthalocyanine by a Template Method. Journal of the American Chemical Society, 2005, 127, 12792-12793.	6.6	81
71	Switching between Coherent and Incoherent Singlet Fission via Solvent-Induced Symmetry Breaking. Journal of the American Chemical Society, 2019, 141, 17558-17570.	6.6	81
72	Arylamine-Substituted Hexa-peri-hexabenzocoronenes: Facile Synthesis and Their Potential Applications asâ€œCoaxialâ€•Hole-Transport Materials. Angewandte Chemie - International Edition, 2004, 43, 5331-5335.	7.2	80

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73	Giant gate-tunable bandgap renormalization and excitonic effects in a 2D semiconductor. Science Advances, 2019, 5, eaaw2347.	4.7	80
74	Superâ€heptazethrene. Angewandte Chemie - International Edition, 2016, 55, 8615-8619.	7.2	79
75	Reinforced Selfâ€Assembly of Hexaâ€periâ€hexabenzocoronenes by Hydrogen Bonds: From Microscopic Aggregates to Macroscopic Fluorescent Organogels. Chemistry - A European Journal, 2008, 14, 240-249.	1.7	78
76	Bâ€“Nâ€“B Bond Embedded Phenalenyl and Its Anions. Journal of the American Chemical Society, 2017, 139, 15760-15767.	6.6	78
77	Influence of molecular conformation on organic/metal interface energetics. Chemical Physics Letters, 2005, 413, 390-395.	1.2	72
78	meso-Substituted Bisanthenes as Soluble and Stable Near-infrared Dyes. Journal of Organic Chemistry, 2010, 75, 856-863.	1.7	72
79	Cyanated Diazatetracene Diimides with Ultrahigh Electron Affinity for n-Channel Field Effect Transistors. Organic Letters, 2013, 15, 1194-1197.	2.4	72
80	Bismuth tungstate incorporated zirconium metalâ€“organic framework composite with enhanced visible-light photocatalytic performance. RSC Advances, 2014, 4, 64977-64984.	1.7	72
81	Grapheneâ€like Molecules with Four Zigzag Edges. Angewandte Chemie - International Edition, 2018, 57, 6541-6545.	7.2	72
82	Bis-N-annulated Quaterrylenebis(dicarboximide) as a New Soluble and Stable Near-Infrared Dye. Organic Letters, 2009, 11, 4508-4511.	2.4	71
83	Soluble and Stable Zethrenebis(dicarboximide) and Its Quinone. Organic Letters, 2010, 12, 4690-4693.	2.4	71
84	Bisanthracene Bis(dicarboxylic imide)s as Soluble and Stable NIR Dyes. Chemistry - A European Journal, 2009, 15, 9299-9302.	1.7	70
85	Fully Fused Quinoidal/Aromatic Carbazole Macrocycles with Poly-radical Characters. Journal of the American Chemical Society, 2016, 138, 7782-7790.	6.6	70
86	A kinetically blocked 1,14:11,12-dibenzopentacene: a persistent triplet diradical of a non-KekulÃ© polycyclic benzenoid hydrocarbon. Chemical Science, 2014, 5, 1908.	3.7	69
87	The Versatile Synthesis and Self-Assembly of Star-Type Hexabenzocoronenes. Angewandte Chemie - International Edition, 2003, 42, 5329-5333.	7.2	68
88	Room-Temperature Magnets Based on 1,3,5-Triazine-Linked Porous Organic Radical Frameworks. CheM, 2019, 5, 1223-1234.	5.8	67
89	Oligomers of Hexa-peri-hexabenzocoronenes as â€œSuper-oligophenylenesâ€Â Synthesis, Electronic Properties, and Self-assembly. Journal of Organic Chemistry, 2004, 69, 8194-8204.	1.7	65
90	Electron-Deficient Triphenylene and Trinaphthylene Carboximides. Organic Letters, 2009, 11, 3028-3031.	2.4	65

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91	Superoctazethrene: An Open-Shell Graphene-like Molecule Possessing Large Diradical Character but Still with Reasonable Stability. Journal of the American Chemical Society, 2018, 140, 14054-14058.	6.6	65
92	Solution processed F doped ZnO (ZnO:F) for thin film transistors and improved stability through co-doping with alkali metals. Journal of Materials Chemistry C, 2015, 3, 1787-1793.	2.7	64
93	Fluorenyl Based Macrocyclic Polyradicaloids. Journal of the American Chemical Society, 2017, 139, 13173-13183.	6.6	64
94	A Cruciform 6,6â€²â€Dipentacenyl: Synthesis, Solidâ€State Packing and Applications in Thinâ€Film Transistors. Chemistry - A European Journal, 2010, 16, 464-468.	1.7	63
95	Solution-Processed LiF-Doped ZnO Films for High Performance Low Temperature Field Effect Transistors and Inverted Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 6687-6693.	4.0	63
96	Stable Olympicenyl Radicals and Their Ï€-Dimers. Journal of the American Chemical Society, 2020, 142, 11022-11031.	6.6	63
97	New carbon-rich materials for electronics, lithium battery, and hydrogen storage applications. Chemical Communications, 2005, , 2197.	2.2	59
98	Solution-processed nanographene distributed feedback lasers. Nature Communications, 2019, 10, 3327.	5.8	59
99	On-Surface Synthesis and Characterization of [7]Triangulene Quantum Ring. Nano Letters, 2021, 21, 861-867.	4.5	59
100	Modern zethrene chemistry. Canadian Journal of Chemistry, 2017, 95, 223-233.	0.6	58
101	Bowl-Shaped Carbon Nanobelts Showing Size-Dependent Properties and Selective Encapsulation of C₇₀. Journal of the American Chemical Society, 2019, 141, 5934-5941.	6.6	58
102	Lateral Extension of Ï€ Conjugation along the Bay Regions of Bisanthene through a Dielsâ€“Alder Cycloaddition Reaction. Chemistry - A European Journal, 2011, 17, 14672-14680.	1.7	57
103	Synthesis and Characterization of Oxygen-Embedded Quinoidal Pentacene and Nonacene. Journal of the American Chemical Society, 2019, 141, 2169-2176.	6.6	57
104	Solid-State Synthesis of â€œBamboo-Likeâ€•and Straight Carbon Nanotubes by Thermolysis of Hexa-peri-hexabenzocoroneneâ€“Cobalt Complexes. Small, 2005, 1, 210-212.	5.2	56
105	A Soluble and Stable Quinoidal Bisanthene with NIR Absorption and Amphoteric Redox Behavior. Organic Letters, 2009, 11, 4854-4857.	2.4	56
106	Fused Bispentacenequinone and Its Unexpected Michael Addition. Organic Letters, 2010, 12, 3946-3949.	2.4	56
107	mesoâ€Ester and Carboxylic Acid Substituted BODIPYs with Farâ€Red and Nearâ€Infrared Emission for Bioimaging Applications. Chemistry - A European Journal, 2014, 20, 2301-2310.	1.7	55
108	Synthesis and Chiral Resolution of Twisted Carbon Nanobelts. Journal of the American Chemical Society, 2021, 143, 15924-15929.	6.6	55

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109	Disc-like 7, 14-dicyano-ovalene-3,4:10,11-bis(dicarboximide) as a solution-processible n-type semiconductor for air stable field-effect transistors. Chemical Science, 2012, 3, 846-850.	3.7	54
110	Global Aromaticity in Macrocyclic Cyclopentaâ€Fused Tetraphenanthrenylene Tetraradicaloid and Its Charged Species. Angewandte Chemie - International Edition, 2018, 57, 13052-13056.	7.2	54
111	A molecular movie of ultrafast singlet fission. Nature Communications, 2019, 10, 4207.	5.8	54
112	Triphenylethylenyl-based donorâ€“acceptorâ€“donor molecules: studies on structural and optical properties and AIE properties for cyanide detection. Journal of Materials Chemistry C, 2017, 5, 12194-12203.	2.7	53
113	A Threeâ€Dimensionally Ï€â€Conjugated Diradical Molecular Cage. Angewandte Chemie - International Edition, 2017, 56, 15383-15387.	7.2	52
114	A water-soluble hexa-peri-hexabenzocoronene: synthesis, self-assembly and role as template for porous silica with aligned nanochannels. Chemical Communications, 2006, , 48-50.	2.2	51
115	Enhanced Photocatalytic Activity of the AgI/UiOâ€66(Zr) Composite for Rhodamineâ€…B Degradation under Visibleâ€Light Irradiation. ChemPlusChem, 2015, 80, 1321-1328.	1.3	51
116	Naphthalene-fused BODIPY near-infrared dye as a stable contrast agent for in vivo photoacoustic imaging. Chemical Communications, 2016, 52, 11504-11507.	2.2	51
117	Combining one-, two- and three-dimensional polyphenylene nanostructures. Journal of Materials Chemistry, 2005, 15, 41-52.	6.7	50
118	Formation of [2]rotaxanes by encircling [20], [21] and [22]crown ethers onto the dibenzylammonium dumbbell. Chemical Science, 2012, 3, 425-432.	3.7	50
119	Phenalenyl-fused porphyrins with different ground states. Chemical Science, 2015, 6, 2427-2433.	3.7	50
120	Synthesis of [n]Rotaxanes by Template-Directed Clipping: The Role of the Dialkylammonium Recognition Sites. Organic Letters, 2010, 12, 1712-1715.	2.4	49
121	A work-function tunable polyelectrolyte complex (PEI:PSS) as a cathode interfacial layer for inverted organic solar cells. Journal of Materials Chemistry A, 2014, 2, 7788-7794.	5.2	49
122	From All-Triazine C₃N₃ Framework to Nitrogen-Doped Carbon Nanotubes: Efficient and Durable Trifunctional Electrocatalysts. ACS Applied Nano Materials, 2019, 2, 7969-7977.	2.4	49
123	Self-assembly of amphiphilic imidazolium-based hexa-peri-hexabenzo-coronenes into fibreous aggregates. Chemical Communications, 2007, , 2384-2386.	2.2	48
124	Turning on the biradical state of tetracyano-perylene and quaterrylenequinodimethanes by incorporation of additional thiophene rings. Chemical Science, 2014, 5, 3072-3080.	3.7	48
125	Partially stripped insulated nanowires: a lightly substituted hexa-peri-hexabenzocoronene-based columnar liquid crystal. Chemical Communications, 2004, , 336-337.	2.2	47
126	Hole mobility of 3.56 cm² V^{â^'1} s^{â^'1} accomplished using more extended dithienothiophene with furan flanked diketopyrrolopyrrole polymer. Journal of Materials Chemistry C, 2015, 3, 9299-9305.	2.7	47

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127	paraâ€Quinodimethaneâ€Bridged Perylene Dimers and Pericondensed Quaterrylenes: The Effect of the Fusion Mode on the Ground States and Physical Properties. Chemistry - A European Journal, 2014, 20, 11410-11420.	1.7	46
128	N-Annulated perylene substituted zincâ€“porphyrins with different linking modes and electron acceptors for dye sensitized solar cells. Journal of Materials Chemistry A, 2016, 4, 8428-8434.	5.2	46
129	Enhanced inverted organic solar cell performance by post-treatments of solution-processed ZnO buffer layers. RSC Advances, 2014, 4, 6646.	1.7	45
130	Elimination of Burn-in Open-Circuit Voltage Degradation by ZnO Surface Modification in Organic Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 1608-1615.	4.0	45
131	Low temperature aqueous solution-processed Li doped ZnO buffer layers for high performance inverted organic solar cells. Journal of Materials Chemistry C, 2016, 4, 6169-6175.	2.7	45
132	Dicyclopenta[4,3,2,1-ghi:4â€²,3â€²,2â€²,1â€²-pqr]perylene: A Bowl-Shaped Fragment of Fullerene C₇₀ with Global Antiaromaticity. Journal of the American Chemical Society, 2019, 141, 7266-7270.	6.6	45
133	Doubly and Triply Linked Porphyrinâ^'Perylene Monoimides as Near IR Dyes with Large Dipole Moments and High Photostability. Journal of Organic Chemistry, 2011, 76, 661-664.	1.7	44
134	Stable 3,6-Linked Fluorenyl Radical Oligomers with Intramolecular Antiferromagnetic Coupling and Polyradical Characters. Journal of the American Chemical Society, 2016, 138, 13048-13058.	6.6	44
135	Efficient synthesis of a hetero[4]rotaxane by a â€œthreading-stoppering-followed-by-clippingâ€•approach. Organic and Biomolecular Chemistry, 2010, 8, 2594.	1.5	43
136	N-Annulated Perylene-Based Pushâ€“Pull-Type Sensitizers. Organic Letters, 2015, 17, 724-727.	2.4	43
137	Octazethrene and Its Isomer with Different Diradical Characters and Chemical Reactivity: The Role of the Bridge Structure. Journal of Organic Chemistry, 2016, 81, 2911-2919.	1.7	43
138	Solution-processed high performance organic thin film transistors enabled by roll-to-roll slot die coating technique. Organic Electronics, 2018, 54, 80-88.	1.4	43
139	Ultrahigh-yield on-surface synthesis and assembly of circumcoronene into a chiral electronic Kagome-honeycomb lattice. Science Advances, 2021, 7, .	4.7	43
140	Isomeric Dibenzoheptazethrenes for Airâ€Stable Organic Fieldâ€Effect Transistors. Angewandte Chemie - International Edition, 2021, 60, 16230-16236.	7.2	42
141	Towards mesoâ€Ester BODIPYs with Aggregationâ€Induced Emission Properties: The Effect of Substitution Positions. Chemistry - an Asian Journal, 2015, 10, 1631-1634.	1.7	41
142	[6]Cyclo-para-phenylmethine: An Analog of Benzene Showing Global Aromaticity and Open-Shell Diradical Character. Journal of the American Chemical Society, 2019, 141, 16266-16270.	6.6	41
143	Scholl Reaction of Peryleneâ€Based Polyphenylene Precursors under Different Conditions: Formation of Hexagon or Octagon?. Angewandte Chemie - International Edition, 2021, 60, 17654-17663.	7.2	41
144	A Periâ€tetracene Diradicaloid: Synthesis and Properties. Angewandte Chemie, 2018, 130, 9845-9849.	1.6	40

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145	A Chichibabinâ€™s Hydrocarbon-Based Molecular Cage: The Impact of Structural Rigidity on Dynamics, Stability, and Electronic Properties. Journal of the American Chemical Society, 2020, 142, 12730-12742.	6.6	40
146	Polycyclic Aromatic Compounds for Organic Field-effect Transistors:Molecular Design and Syntheses. Current Organic Chemistry, 2007, 11, 1220-1240.	0.9	39
147	Construction of Hetero[n]rotaxanes by Use of Polyfunctional Rotaxane Frameworks. Journal of Organic Chemistry, 2013, 78, 11560-11570.	1.7	39
148	Indolo[2,3-b]carbazoles with tunable ground states: how Clar's aromatic sextet determines the singlet biradical character. Chemical Science, 2014, 5, 4944-4952.	3.7	39
149	A pâ€Quinodimethaneâ€Bridged Porphyrin Dimer. Chemistry - A European Journal, 2013, 19, 16814-16824.	1.7	38
150	Two-dimensional tessellation by molecular tiles constructed from halogenâ€“halogen and halogenâ€“metal networks. Nature Communications, 2018, 9, 4871.	5.8	38
151	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.	6.6	38
152	Tetrakis(4-tert-butylphenyl) substituted and fused quinoidal porphyrins. Chemical Communications, 2012, 48, 7684.	2.2	37
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