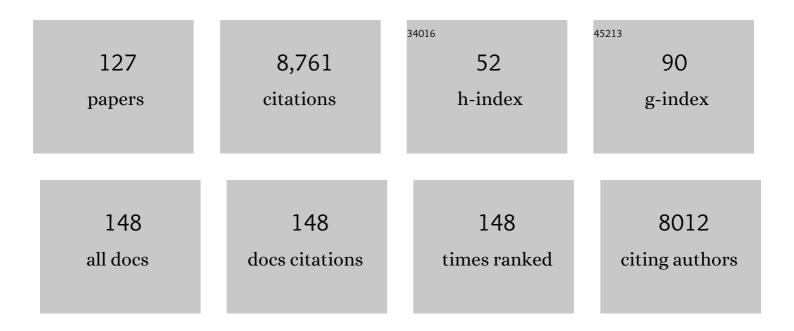


## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Self-assembled dipoles of <i>o</i> -carborane on gate oxide tuning charge carriers in organic field effect transistors. Journal of Materials Chemistry C, 2022, 10, 2690-2695.	2.7	2
2	Synthesis, Structures and Properties of Bis(naphthocyclobuta)pyrenes. European Journal of Organic Chemistry, 2022, 2022, e202101315.	1.2	4
3	A Nearâ€Infrared Absorbing and Emissive Quadruple Helicene Enabled by the Scholl Reaction of Perylene. Angewandte Chemie - International Edition, 2022, 61, .	7.2	50
4	A Nearâ€Infrared Absorbing and Emissive Quadruple Helicene Enabled by the Scholl Reaction of Perylene. Angewandte Chemie, 2022, 134, .	1.6	23
5	Synthesis, aromatization and cavitates of an oxanorbornene-fused dibenzo[ <i>de</i> , <i>qr</i> ]tetracene nanobox. Chemical Science, 2022, 13, 2280-2285.	3.7	12
6	Sensitivity of gas sensors enhanced by functionalization of hexabenzoperylene in solution-processed monolayer organic field effect transistors. Chemical Communications, 2022, 58, 7046-7049.	2.2	3
7	Organic Heteroepitaxy Growth of High-Performance Responsive Thin Films with Solution Shearing Crystals as Templates. , 2022, 4, 1314-1321.		1
8	Synthesis of a Hydrogenated Zigzag Carbon Nanobelt. CCS Chemistry, 2021, 3, 613-619.	4.6	29
9	Charging a Negatively Curved Nanographene and Its Covalent Network. Journal of the American Chemical Society, 2021, 143, 5231-5238.	6.6	42
10	Synthesis of Zigzag Carbon Nanobelts through Scholl Reactions. Angewandte Chemie - International Edition, 2021, 60, 10311-10318.	7.2	67
11	Synthesis of Zigzag Carbon Nanobelts through Scholl Reactions. Angewandte Chemie, 2021, 133, 10399-10406.	1.6	28
12	Rearrangements come to Scholl. Nature Reviews Chemistry, 2021, 5, 602-603.	13.8	11
13	Design, Synthesis and Hydrogen Bonding of B <sub>3</sub> N <sub>6</sub> â€{4]Triangulene. Angewandte Chemie, 2021, 133, 21459-21464.	1.6	4
14	Design, Synthesis and Hydrogen Bonding of B <sub>3</sub> N <sub>6</sub> â€{4]Triangulene. Angewandte Chemie - International Edition, 2021, 60, 21289-21294.	7.2	23
15	Carbazoleâ€Fused Polycyclic Aromatics Enabled by Regioselective Scholl Reactions. Angewandte Chemie - International Edition, 2021, 60, 24124-24130.	7.2	24
16	Trifluoromethylation of Anthraquinones for n-Type Organic Semiconductors in Field Effect Transistors. Journal of Organic Chemistry, 2020, 85, 44-51.	1.7	14
17	Interlayer Cross‣inked 2D Perovskite Solar Cell with Uniform Phase Distribution and Increased Exciton Coupling. Solar Rrl, 2020, 4, 1900578.	3.1	39
18	An 80-Carbon Aromatic Saddle Enabled by a Naphthalene-Directed Scholl Reaction. Organic Materials, 2020, 02, 248-252.	1.0	12

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19	Recent advances and attempts in synthesis of conjugated nanobelts. Journal of Physical Organic Chemistry, 2020, 33, e4145.	0.9	45
20	Structured and functionalized organic semiconductors for chemical and biological sensors based on organic field effect transistors. Materials Chemistry Frontiers, 2020, 4, 3505-3520.	3.2	42
21	Anodization for Simplified Processing and Efficient Charge Transport in Vertical Organic Fieldâ€Effect Transistors. Advanced Functional Materials, 2020, 30, 2001703.	7.8	6
22	Insulating Polymers for Enhancing the Efficiency of Nonfullerene Organic Solar Cells. Solar Rrl, 2020, 4, 2000013.	3.1	17
23	Revisiting Indolo[3,2â€ <i>b</i> ]carbazole: Synthesis, Structures, Properties, and Applications. Angewandte Chemie - International Edition, 2020, 59, 9678-9683.	7.2	27
24	Revisiting Indolo[3,2―b ]carbazole: Synthesis, Structures, Properties, and Applications. Angewandte Chemie, 2020, 132, 9765-9770.	1.6	11
25	Control of polymorphism in solution-processed organic thin film transistors by self-assembled monolayers. Science China Chemistry, 2020, 63, 1221-1229.	4.2	11
26	A Transfer Method for Highâ€Mobility, Biasâ€Stable, and Flexible Organic Fieldâ€Effect Transistors. Advanced Materials Technologies, 2020, 5, 2000169.	3.0	14
27	Introduction of Eight-Membered Rings to Polycyclic Arenes by Ring Expansion. Chinese Journal of Organic Chemistry, 2020, 40, 3347.	0.6	2
28	Crystal Engineering of Biphenylene-Containing Acenes for High-Mobility Organic Semiconductors. Journal of the American Chemical Society, 2019, 141, 3589-3596.	6.6	43
29	Synthesis, Structures, and Properties of Heptabenzo[7]circulene and Octabenzo[8]circulene. Journal of the American Chemical Society, 2019, 141, 9680-9686.	6.6	116
30	Organic Heterojunctions Formed by Interfacing Two Single Crystals from a Mixed Solution. Journal of the American Chemical Society, 2019, 141, 10007-10015.	6.6	31
31	A ketone-functionalized aromatic saddle as a potential building block for negatively curved carbon nanobelts. Chinese Chemical Letters, 2019, 30, 1506-1508.	4.8	8
32	Efficiency enhancement of organic photovoltaics by introducing high-mobility curved small-molecule semiconductors as additives. Journal of Materials Chemistry A, 2019, 7, 12740-12750.	5.2	8
33	Synthesis of Tribenzo[ a , c , e ]cyclooctene Oligomers: Toward Negatively Curved Nanocarbons. ChemPlusChem, 2019, 84, 627-629.	1.3	12
34	Synthesis of Armchair and Chiral Carbon Nanobelts. CheM, 2019, 5, 838-847.	5.8	167
35	A Tetraazapentacene–Pyrene Belt: Toward Synthesis of N-Doped Zigzag Carbon Nanobelts. Organic Letters, 2019, 21, 10120-10124.	2.4	45
36	Tertiary Amines Differentiated from Primary and Secondary Amines by Active Esterâ€Functionalized Hexabenzoperylene in Field Effect Transistors. Chemistry - an Asian Journal, 2019, 14, 1676-1680.	1.7	15

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37	Recent Progress in Chemistry of Multiple Helicenes. Chemistry - an Asian Journal, 2018, 13, 884-894.	1.7	182
38	A Dipleiadieneâ€Embedded Aromatic Saddle Consisting of 86 Carbon Atoms. Angewandte Chemie - International Edition, 2018, 57, 1581-1586.	7.2	112
39	A Dipleiadieneâ€Embedded Aromatic Saddle Consisting of 86 Carbon Atoms. Angewandte Chemie, 2018, 130, 1597-1602.	1.6	44
40	Functionalized π Stacks of Hexabenzoperylenes as a Platform for Chemical and Biological Sensing. CheM, 2018, 4, 1416-1426.	5.8	38
41	Connecting two phenazines with a four-membered ring: the synthesis, properties and applications of cyclobuta[1,2- <i>b</i> :3,4- <i>b</i> â€2]diphenazines. Journal of Materials Chemistry C, 2018, 6, 3651-3657.	2.7	29
42	Recent progress in interface engineering of organic thin film transistors with self-assembled monolayers. Materials Chemistry Frontiers, 2018, 2, 11-21.	3.2	65
43	Stable and Efficient 3D-2D Perovskite-Perovskite Planar Heterojunction Solar Cell without Organic Hole Transport Layer. Joule, 2018, 2, 2706-2721.	11.7	124
44	A Trefoil Macrocycle Synthesized by 3-Fold Benzannulation. Organic Letters, 2018, 20, 6952-6956.	2.4	8
45	Toward Negatively Curved Carbons. Accounts of Chemical Research, 2018, 51, 1630-1642.	7.6	281
46	From Phenanthrylene Butadiynylene Macrocycles to S-Heterocycloarenes. Organic Letters, 2018, 20, 4259-4262.	2.4	22
47	Halogenated Tetraazapentacenes with Electron Mobility as High as 27.8 cm <sup>2</sup> V <sup>â^'1</sup> s <sup>â^'1</sup> in Solutionâ€Processed n hannel Organic Thinâ€Film Transistors. Advanced Materials, 2018, 30, e1803467.	11.1	156
48	Copolymer dielectrics with balanced chain-packing density and surface polarity for high-performance flexible organic electronics. Nature Communications, 2018, 9, 2339.	5.8	76
49	Aggregation-induced emission: mechanistic study of the clusteroluminescence of tetrathienylethene. Chemical Science, 2017, 8, 2629-2639.	3.7	95
50	From tetrabenzoheptafulvalene to sp <sup>2</sup> carbon nano-rings. Organic Chemistry Frontiers, 2017, 4, 699-703.	2.3	14
51	Engineering Thin Films of a Tetrabenzoporphyrin toward Efficient Charge-Carrier Transport: Selective Formation of a Brickwork Motif. ACS Applied Materials & Interfaces, 2017, 9, 8211-8218.	4.0	16
52	Molecular design of n-type organic semiconductors for high-performance thin film transistors. Tetrahedron Letters, 2017, 58, 1903-1911.	0.7	39
53	Synthesis, Structure, and Properties of Tetrabenzo[7]circulene. Organic Letters, 2017, 19, 2246-2249.	2.4	64
54	A Twisted Nanographene Consisting of 96 Carbon Atoms. Angewandte Chemie, 2017, 129, 9131-9135.	1.6	53

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55	A Twisted Nanographene Consisting of 96 Carbon Atoms. Angewandte Chemie - International Edition, 2017, 56, 9003-9007.	7.2	127
56	Titelbild: A Twisted Nanographene Consisting of 96 Carbon Atoms (Angew. Chem. 31/2017). Angewandte Chemie, 2017, 129, 9031-9031.	1.6	1
57	Nâ€Phenylated Nâ€Heteroacenes: Synthesis, Structures, and Properties. ChemPlusChem, 2017, 82, 1034-1038.	1.3	12
58	Extension of Nâ€Heteroacenes through a Fourâ€Membered Ring. Chemistry - A European Journal, 2016, 22, 6637-6642.	1.7	33
59	Studies toward the Synthesis of Hepta-peri-heptabenzo-[7]circulene. Synlett, 2016, 27, 2091-2094.	1.0	8
60	Electron Mobility Exceeding 10 cm <sup>2</sup> V <sup>â^'1</sup> s <sup>â î'1</sup> and Bandâ€Like Charge Transport in Solutionâ€Processed nâ€Channel Organic Thinâ€Film Transistors. Advanced Materials, 2016, 28, 5276-5283.	11.1	173
61	Twisted Polycyclic Arenes from Tetranaphthyldiphenylbenzenes by Controlling the Scholl Reaction with Substituents. Chemistry - A European Journal, 2016, 22, 18620-18627.	1.7	73
62	Benzo[4,5]cyclohepta[1,2-b]fluorene: an isomeric motif for pentacene containing linearly fused five-, six- and seven-membered rings. Chemical Science, 2016, 7, 6176-6181.	3.7	45
63	Boosting the electron mobility of solution-grown organic single crystals via reducing the amount of polar solvent residues. Materials Horizons, 2016, 3, 119-123.	6.4	64
64	Heptagons in Aromatics: From Monocyclic to Polycyclic. Chemical Record, 2015, 15, 1156-1159.	2.9	24
65	Synthesis, Molecular Packing, and Thin Film Transistors of Dibenzo[ <i>a</i> , <i>m</i> ]rubicenes. Journal of the American Chemical Society, 2015, 137, 16203-16208.	6.6	65
66	A Luminescent Nitrogen ontaining Polycyclic Aromatic Hydrocarbon Synthesized by Photocyclodehydrogenation with Unprecedented Regioselectivity. Chemistry - A European Journal, 2015, 21, 17973-17980.	1.7	17
67	Direct Patterning of Selfâ€Assembled Monolayers by Stamp Printing Method and Applications in High Performance Organic Fieldâ€Effect Transistors and Complementary Inverters. Advanced Functional Materials, 2015, 25, 6112-6121.	7.8	43
68	Molecular packing and n-channel thin film transistors of chlorinated cyclobuta[1,2-b:3,4-b′]diquinoxalines. Chemical Communications, 2015, 51, 4275-4278.	2.2	22
69	Aromatic Saddles Containing Two Heptagons. Journal of the American Chemical Society, 2015, 137, 3910-3914.	6.6	189
70	o-Carborane functionalized pentacenes: synthesis, molecular packing and ambipolar organic thin-film transistors. Chemical Communications, 2015, 51, 12004-12007.	2.2	113
71	Solution-Processed Ambipolar Organic Thin-Film Transistors by Blending p- and n-Type Semiconductors: Solid Solution versus Microphase Separation. ACS Applied Materials & Interfaces, 2015, 7, 28019-28026.	4.0	51
72	Monolayer Fieldâ€Effect Transistors of Nonplanar Organic Semiconductors with Brickwork Arrangement. Advanced Materials, 2015, 27, 3418-3423.	11.1	85

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73	Aggregation-induced emission and aggregation-promoted photochromism of bis(diphenylmethylene)dihydroacenes. Chemical Science, 2015, 6, 3538-3543.	3.7	86
74	Facile passivation of solution-processed InZnO thin-film transistors by octadecylphosphonic acid self-assembled monolayers at room temperature. Applied Physics Letters, 2014, 104, .	1.5	32
75	Ten Years of Nâ€Heteropentacenes as Semiconductors for Organic Thinâ€Film Transistors. Advanced Materials, 2014, 26, 5541-5549.	11.1	324
76	Heptagonâ€Embedded Pentacene: Synthesis, Structures, and Thinâ€Film Transistors of Dibenzo[ <i>d</i> , <i>d</i> â€2]benzo[1,2â€ <i>a</i> :4,5â€ <i>a</i> â€2]dicycloheptenes. Angewandte Chemie - International Edition, 2014, 53, 6786-6790.	7.2	70
77	Selfâ€Assembled Monolayers of Cyclohexylâ€Terminated Phosphonic Acids as a General Dielectric Surface for Highâ€Performance Organic Thinâ€Film Transistors. Advanced Materials, 2014, 26, 7190-7196.	11.1	95
78	Massively Parallel Patterning of Complex 2D and 3D Functional Polymer Brushes by Polymer Pen Lithography. ACS Applied Materials & Interfaces, 2014, 6, 11955-11964.	4.0	52
79	Restriction of Intramolecular Motions: The General Mechanism behind Aggregationâ€Induced Emission. Chemistry - A European Journal, 2014, 20, 15349-15353.	1.7	578
80	Synthesis, solution-processed thin film transistors and solid solutions of silylethynylated diazatetracenes. Chemical Communications, 2014, 50, 12828-12831.	2.2	32
81	Ternary blend bulk heterojunction photovoltaic cells with an ambipolar small molecule as the cascade material. RSC Advances, 2014, 4, 1087-1092.	1.7	20
82	Heteroatom-Bridged Tetraphenylenes: Synthesis, Structures, and Properties. Organic Letters, 2014, 16, 3252-3255.	2.4	30
83	Conjugated macrocycles of phenanthrene: a new segment of [6,6]-carbon nanotube and solution-processed organic semiconductors. Chemical Science, 2013, 4, 4525.	3.7	48
84	Quantitative determination of scattering mechanism in large-area graphene on conventional and SAM-functionalized substrates at room temperature. Nanoscale, 2013, 5, 5784.	2.8	27
85	Ambipolar organic semiconductors from electron-accepting cyclopenta-fused anthracene. Chemical Communications, 2013, 49, 4301-4303.	2.2	65
86	Selfâ€Assembled Monolayers of Phosphonic Acids with Enhanced Surface Energy for Highâ€Performance Solutionâ€Processed Nâ€Channel Organic Thinâ€Film Transistors. Angewandte Chemie - International Edition, 2013, 52, 6222-6227.	7.2	89
87	Revisiting zethrene: synthesis, reactivity and semiconductor properties. Chemical Science, 2013, 4, 3294.	3.7	59
88	N-Heteropentacenes and N-Heteropentacenequinones: From Molecules to Semiconductors. Synlett, 2012, 23, 326-336.	1.0	160
89	High-Quality Large-Area Graphene from Dehydrogenated Polycyclic Aromatic Hydrocarbons. Chemistry of Materials, 2012, 24, 3906-3915.	3.2	119
90	The application of a high-k polymer in flexible low-voltage organic thin-film transistors. Journal of Materials Chemistry, 2012, 22, 15998.	6.7	65

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91	Highly Electron-Deficient Hexaazapentacenes and Their Dihydro Precursors. Organic Letters, 2012, 14, 4190-4193.	2.4	60
92	Induced crystallization of rubrene with diazapentacene as the template. Journal of Materials Chemistry, 2012, 22, 4396.	6.7	19
93	Hydrogen-Bonded Dihydrotetraazapentacenes. Organic Letters, 2012, 14, 1050-1053.	2.4	64
94	Curved Polycyclic Aromatic Molecules That Are π-Isoelectronic to Hexabenzocoronene. Journal of the American Chemical Society, 2012, 134, 13796-13803.	6.6	231
95	Polymer Pen Lithography Using Dualâ€Elastomer Tip Arrays. Small, 2012, 8, 2664-2669.	5.2	37
96	Switching of non-helical overcrowded tetrabenzoheptafulvalene derivatives. Chemical Science, 2011, 2, 2029.	3.7	103
97	Vapochromic and semiconducting solids of a bifunctional hydrocarbon. Chemical Science, 2011, 2, 2402.	3.7	26
98	Single crystal n-channel field effect transistors from solution-processed silylethynylated tetraazapentacene. Journal of Materials Chemistry, 2011, 21, 15201.	6.7	48
99	High hole mobility of 1,2-bis[4′-(diphenylamino)biphenyl-4-yl]-1,2-diphenylethene in field effect transistor. Chemical Communications, 2011, 47, 6924.	2.2	50
100	Thermotropic liquid crystals based on 1,8,9,16-tetrasubstituted tetraphenylenes and their structure–property relationship studies. Chemical Science, 2011, 2, 1068.	3.7	28
101	Degradation mechanism of organic solar cells with aluminum cathode. Solar Energy Materials and Solar Cells, 2011, 95, 3303-3310.	3.0	65
102	Soluble and Stable <i>N</i> â€Heteropentacenes with High Fieldâ€Effect Mobility. Advanced Materials, 2011, 23, 1535-1539.	11.1	334
103	The Position of Nitrogen in Nâ€Heteropentacenes Matters. Advanced Materials, 2011, 23, 5514-5518.	11.1	210
104	N-heteroquinones: quadruple weak hydrogen bonds and n-channel transistors. Chemical Communications, 2010, 46, 2977.	2.2	76
105	Induced Crystallization of Rubrene in Thinâ€Film Transistors. Advanced Materials, 2010, 22, 3242-3246.	11.1	67
106	Induced Crystallization of Rubrene in Thinâ€Film Transistors (Adv. Mater. 30/2010). Advanced Materials, 2010, 22, .	11.1	4
107	Performance and Stability Improvement of P3HT:PCBM-Based Solar Cells by Thermally Evaporated Chromium Oxide (CrO <sub><i>x</i></sub> ) Interfacial Layer. ACS Applied Materials & Interfaces, 2010, 2, 2699-2702.	4.0	68
108	N-Type Organic Semiconductors Based on π-Deficient Pentacenequinones: Synthesis, Electronic Structures, Molecular Packing, and Thin Film Transistors. Chemistry of Materials, 2010, 22, 6438-6443.	3.2	93

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109	Photoresponsive nanoscale columnar transistors. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 691-696.	3.3	94
110	Benzenoid and Quinonoid Nitrogenâ€Containing Heteropentacenes. Chemistry - A European Journal, 2009, 15, 3965-3969.	1.7	70
111	A Meaningful Analogue of Pentacene: Charge Transport, Polymorphs, and Electronic Structures of Dihydrodiazapentacene. Chemistry of Materials, 2009, 21, 1400-1405.	3.2	63
112	Unexpected Photooxidation of H-Bonded Tetracene. Organic Letters, 2008, 10, 2007-2010.	2.4	41
113	Transistors from a conjugated macrocycle molecule: field and photo effects. Chemical Communications, 2008, , 4324.	2.2	39
114	Organization of Acenes with a Cruciform Assembly Motif. Journal of the American Chemical Society, 2006, 128, 1340-1345.	6.6	214
115	Hexathiapentacene:Â Structure, Molecular Packing, and Thin-Film Transistors. Journal of the American Chemical Society, 2006, 128, 15576-15577.	6.6	136
116	Chemical Complementarity in the Contacts for Nanoscale Organic Field-Effect Transistors. Journal of the American Chemical Society, 2006, 128, 1788-1789.	6.6	80
117	Barbier-type reaction mediated with tin nano-particles in water. Tetrahedron, 2005, 61, 2521-2527.	1.0	25
118	Molecular Wires from Contorted Aromatic Compounds. Angewandte Chemie - International Edition, 2005, 44, 7390-7394.	7.2	293
119	A Recyclable Electrochemical Allylation in Water ChemInform, 2005, 36, no.	0.1	1
120	Probing Nanoscale Pentacene Films by Resonant Raman Scattering. AIP Conference Proceedings, 2005, ,	0.3	0
121	Chemoselective Carbonyl Benzylation Mediated by Zn / CdCl2 / InCl3 in Tap Water. Letters in Organic Chemistry, 2005, 2, 61-64.	0.2	3
122	A Recyclable Electrochemical Allylation in Water. Organic Letters, 2005, 7, 1903-1905.	2.4	58
123	Allylation of Carbonyl Compounds Mediated by Nanometer-Sized Bismuth in Water. Synlett, 2004, 2004, 1171-1174.	1.0	1
124	Resonant Raman scattering in nanoscale pentacene films. Applied Physics Letters, 2004, 84, 987-989.	1.5	45
125	Attaching Organic Semiconductors to Gate Oxides:Â In Situ Assembly of Monolayer Field Effect Transistors. Journal of the American Chemical Society, 2004, 126, 15048-15050.	6.6	130
126	Synthesis, Assembly, and Thin Film Transistors of Dihydrodiazapentacene:Â An Isostructural Motif for Pentacene. Journal of the American Chemical Society, 2003, 125, 10284-10287.	6.6	184

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127	Carbazoleâ€Fused Polycyclic Aromatics Enabled by Regioselective Scholl Reactions. Angewandte Chemie, 0, , .	1.6	5