Yunbin Hu

List of Publications by Year
in descending order

27 papers	1,442 citations	516710 16 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	1891 citing authors

#	Article	IF	Citations
1	Waterâ€Soluble Nanoparticles with Twisted Double [7]Carbohelicene for Lysosomeâ€Targeted Cancer Photodynamic Therapy. Small, 2022, 18, e2105365.	10.0	15
2	Untying the Bundles of Solutionâ€Synthesized Graphene Nanoribbons for Highly Capacitive Microâ€Supercapacitors. Advanced Functional Materials, 2022, 32, 2109543.	14.9	13
3	Electron-Deficient Contorted Polycyclic Aromatic Hydrocarbon via One-Pot Annulative Ï€-Extension of Perylene Diimide. Organic Letters, 2022, 24, 2414-2419.	4.6	8
4	Double Thia/sulfone[7]helicenes with Controlled Photophysical and Chiroptical Properties by Heteroatom Variation. Chemistry - an Asian Journal, 2022, 17, .	3.3	5
5	A-Ï€-A structured non-fullerene acceptors for stable organic solar cells with efficiency over 17%. Science China Chemistry, 2022, 65, 1374-1382.	8.2	53
6	Effects of Oxygen Position in the Alkoxy Substituents on the Photovoltaic Performance of A-DAâ€²D-A Type Pentacyclic Small Molecule Acceptors. ACS Energy Letters, 2022, 7, 2373-2381.	17.4	19
7	Amplification of Dissymmetry Factors in Ï€-Extended [7]- and [9]Helicenes. Journal of the American Chemical Society, 2021, 143, 4661-4667.	13.7	119
8	Dicyclopentaannelated Hexaâ€periâ€hexabenzocoronenes with a Singlet Biradical Ground State. Angewandte Chemie, 2021, 133, 11400-11404.	2.0	8
9	S-Shaped Double Helicene Diimides: Synthesis, Self-Assembly, and Mechanofluorochromism. Organic Letters, 2021, 23, 6183-6188.	4.6	16
10	X-shaped thiadiazole-containing double [7]heterohelicene with strong chiroptical response and Ï€-stacked homochiral assembly. Chemical Communications, 2021, 57, 5566-5569.	4.1	10
11	Furan-containing double tetraoxa[7]helicene and its radical cation. Chemical Communications, 2020, 56, 15181-15184.	4.1	24
12	Negatively Curved Nanographene with Heptagonal and [5]Helicene Units. Journal of the American Chemical Society, 2020, 142, 14814-14819.	13.7	81
13	Fine-tuning the energy levels and morphology via fluorination and thermal annealing enable high efficiency non-fullerene organic solar cells. Materials Chemistry Frontiers, 2020, 4, 3310-3318.	5.9	17
14	Tuning the electron-deficient core of a non-fullerene acceptor to achieve over 17% efficiency in a single-junction organic solar cell. Energy and Environmental Science, 2020, 13, 2459-2466.	30.8	324
15	Compressing Double [7]Helicene by Successive Charging with Electrons. Angewandte Chemie - International Edition, 2020, 59, 15923-15927.	13.8	21
16	An asymmetric small molecule acceptor for organic solar cells with a short circuit current density over 24 mA cm^{â^'2}. Journal of Materials Chemistry A, 2020, 8, 15984-15991.	10.3	37
17	Compressing Double [7]Helicene by Successive Charging with Electrons. Angewandte Chemie, 2020, 132, 16057-16061.	2.0	6
18	Ï€-Extended Pyrene-Fused Double [7]Carbohelicene as a Chiral Polycyclic Aromatic Hydrocarbon. Journal of the American Chemical Society, 2019, 141, 12797-12803.	13.7	113

#	Article	IF	Citations
19	Graphene nanoribbons on hexagonal boron nitride: Deposition and transport characterization. Applied Physics Letters, 2019, 114, 173101.	3.3	6
20	Benzo-Fused Periacenes or Double Helicenes? Different Cyclodehydrogenation Pathways on Surface and in Solution. Journal of the American Chemical Society, 2019, 141, 7399-7406.	13.7	49
21	A new non-fullerene acceptor based on the combination of a heptacyclic benzothiadiazole unit and a thiophene-fused end group achieving over 13% efficiency. Physical Chemistry Chemical Physics, 2019, 21, 26557-26563.	2.8	28
22	Semitransparent solar cells with over 12% efficiency based on a new low bandgap fluorinated small molecule acceptor. Materials Chemistry Frontiers, 2019, 3, 2483-2490.	5.9	55
23	Spiro-fused bis-hexa-peri-hexabenzocoronene. Chemical Communications, 2018, 54, 13575-13578.	4.1	20
24	Bandgap Engineering of Graphene Nanoribbons by Control over Structural Distortion. Journal of the American Chemical Society, 2018, 140, 7803-7809.	13.7	68
25	Role of Edge Engineering in Photoconductivity of Graphene Nanoribbons. Journal of the American Chemical Society, 2017, 139, 7982-7988.	13.7	64
26	Benzoâ€Fused Double [7]Carbohelicene: Synthesis, Structures, and Physicochemical Properties. Angewandte Chemie - International Edition, 2017, 56, 3374-3378.	13.8	177
27	Raman Fingerprints of Atomically Precise Graphene Nanoribbons. Nano Letters, 2016, 16, 3442-3447.	9.1	83