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List of Publications by Year
in descending order

Version: 2024-02-01

48 papers	2,579 citations	218381 26 h-index	214527 47 g-index
51 all docs	51 docs citations	51 times ranked	2912 citing authors

#	Article	IF	Citations
1	A multifunctional chemical toolbox to engineer carbon dots for biomedical and energy applications. Nature Nanotechnology, 2022, 17, 112-130.	15.6	370
2	Synthesis, Separation, and Characterization of Small and Highly Fluorescent Nitrogenâ€Doped Carbon NanoDots. Angewandte Chemie - International Edition, 2016, 55, 2107-2112.	7.2	266
3	Design, Synthesis, and Functionalization Strategies of Tailored Carbon Nanodots. Accounts of Chemical Research, 2019, 52, 2070-2079.	7.6	172
4	Design principles of chiral carbon nanodots help convey chirality from molecular to nanoscale level. Nature Communications, 2018, 9, 3442.	5.8	169
5	Integration of Enzymes and Photosensitizers in a Hierarchical Mesoporous Metalâ€“Organic Framework for Light-Driven CO₂ Reduction. Journal of the American Chemical Society, 2020, 142, 1768-1773.	6.6	163
6	Rationally Designed Carbon Nanodots towards Pure Whiteâ€Light Emission. Angewandte Chemie - International Edition, 2017, 56, 4170-4173.	7.2	99
7	Preparation, functionalization and characterization of engineered carbon nanodots. Nature Protocols, 2019, 14, 2931-2953.	5.5	96
8	Snapshots into carbon dots formation through a combined spectroscopic approach. Nature Communications, 2021, 12, 2640.	5.8	86
9	Nitrogen-Doped Carbon Nanodots-Ionogels: Preparation, Characterization, and Radical Scavenging Activity. ACS Nano, 2018, 12, 1296-1305.	7.3	77
10	Quantum Dot-Sensitized Photoreduction of CO₂ in Water with Turnover Number > 80,000. Journal of the American Chemical Society, 2021, 143, 18131-18138.	6.6	75
11	Synthesis, Separation, and Characterization of Small and Highly Fluorescent Nitrogenâ€Doped Carbon NanoDots. Angewandte Chemie, 2016, 128, 2147-2152.	1.6	72
12	Customizing the Electrochemical Properties of Carbon Nanodots by Using Quinones in Bottomâ€Up Synthesis. Angewandte Chemie - International Edition, 2018, 57, 5062-5067.	7.2	66
13	Screening Supramolecular Interactions between Carbon Nanodots and Porphyrins. Journal of the American Chemical Society, 2018, 140, 904-907.	6.6	59
14	Porphyrin Antennas on Carbon Nanodots: Excited State Energy and Electron Transduction. Angewandte Chemie - International Edition, 2017, 56, 12097-12101.	7.2	58
15	Lighting up the Electrochemiluminescence of Carbon Dots through Preâ€• and Postâ€Synthetic Design. Advanced Science, 2021, 8, 2100125.	5.6	49
16	Solvent Molding of Organic Morphologies Made of Supramolecular Chiral Polymers. Journal of the American Chemical Society, 2015, 137, 8150-8160.	6.6	48
17	A Donorâ€“Acceptor [2]Catenane for Visible Light Photocatalysis. Journal of the American Chemical Society, 2021, 143, 8000-8010.	6.6	47
18	Photocatalytic Aqueous CO₂ Reduction to CO and CH₄ Sensitized by Ullazine Supramolecular Polymers. Journal of the American Chemical Society, 2022, 144, 3127-3136.	6.6	43

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19	Perylene Bisimide Aggregates as Probes for Subnanomolar Discrimination of Aromatic Biogenic Amines. ACS Applied Materials & Interfaces, 2019, 11, 17079-17089.	4.0	38
20	Selective visible-light photocatalysis of acetylene to ethylene using a cobalt molecular catalyst and water as a proton source. Nature Chemistry, 2022, 14, 1007-1012.	6.6	36
21	Combining high-resolution scanning tunnelling microscopy and first-principles simulations to identify halogen bonding. Nature Communications, 2020, 11, 2103.	5.8	34
22	Selective Photodimerization in a Cyclodextrin Metalâ€“Organic Framework. Journal of the American Chemical Society, 2021, 143, 9129-9139.	6.6	34
23	Oâ€Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixedâ€Valence Complexes. Angewandte Chemie - International Edition, 2020, 59, 4106-4114.	7.2	33
24	Supramolecular Spangling, Crocheting, and Knitting of Functionalized Pyrene Molecules on a Silver Surface. ACS Nano, 2016, 10, 7665-7674.	7.3	32
25	Influence of the chirality of carbon nanodots on their interaction with proteins and cells. Nature Communications, 2021, 12, 7208.	5.8	31
26	Symmetryâ€Breaking Chargeâ€Transfer Chromophore Interactions Supported by Carbon Nanodots. Angewandte Chemie - International Edition, 2020, 59, 12779-12784.	7.2	28
27	O-Annulation to Polycyclic Aromatic Hydrocarbons: A Tale of Optoelectronic Properties from Five- to Seven-Membered Rings. Organic Letters, 2020, 22, 4283-4288.	2.4	27
28	Dysprosium-carboxylate nanomeshes with tunable cavity size and assembly motif through ionic interactions. Chemical Communications, 2016, 52, 11227-11230.	2.2	26
29	Lightâ€Controlled Regioselective Synthesis of Fullerene Bisâ€Adducts. Angewandte Chemie - International Edition, 2021, 60, 313-320.	7.2	26
30	Functionally Biased D2R Antagonists: Targeting the Î²-Arrestin Pathway to Improve Antipsychotic Treatment. ACS Chemical Biology, 2018, 13, 1038-1047.	1.6	24
31	Customizing the Electrochemical Properties of Carbon Nanodots by Using Quinones in Bottomâ€Up Synthesis. Angewandte Chemie, 2018, 130, 5156-5161.	1.6	23
32	Rationally Designed Carbon Nanodots towards Pure Whiteâ€Light Emission. Angewandte Chemie, 2017, 129, 4234-4237.	1.6	22
33	Oâ€Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixedâ€Valence Complexes. Angewandte Chemie, 2020, 132, 4135-4143.	1.6	20
34	[60]Fullereneâ€“porphyrin [n]pseudorotaxanes: self-assembly, photophysics and third-order NLO response. Physical Chemistry Chemical Physics, 2016, 18, 11858-11868.	1.3	18
35	Effects of Two Fullerene Derivatives on Monocytes and Macrophages. BioMed Research International, 2015, 2015, 1-13.	0.9	16
36	Porphyrin Antennas on Carbon Nanodots: Excited State Energy and Electron Transduction. Angewandte Chemie, 2017, 129, 12265-12269.	1.6	16

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37	Synthesis and excited state processes of arrays containing amine-rich carbon dots and unsymmetrical rylene diimides. Materials Chemistry Frontiers, 2020, 4, 3640-3648.	3.2	15
38	Imaging Supramolecular Morphogenesis with Confocal Laser Scanning Microscopy at Elevated Temperatures. Nano Letters, 2020, 20, 4234-4241.	4.5	12
39	Solvent-dependent moulding of porphyrin-based nanostructures: solid state, solution and on surface self-assembly. Supramolecular Chemistry, 2016, 28, 753-761.	1.5	11
40	Templating Porphyrin Anisotropy via Magnetically Aligned Carbon Nanotubes. ChemPlusChem, 2019, 84, 1270-1278.	1.3	9
41	Inter-Backbone Charge Transfer as Prerequisite for Long-Range Conductivity in Perylene Bisimide Hydrogels. ACS Nano, 2018, 12, 5800-5806.	7.3	8
42	Hybrid Nanocrystals of Small Molecules and Chemically Disordered Polymers. ACS Nano, 2022, 16, 8993-9003.	7.3	8
43	Symmetryâ€Breaking Chargeâ€Transfer Chromophore Interactions Supported by Carbon Nanodots. Angewandte Chemie, 2020, 132, 12879-12884.	1.6	4
44	Efficient and Stable Perovskite Solar Cells based on Nitrogenâ€Đoped Carbon Nanodots. Energy Technology, 2022, 10, .	1.8	4
45	Synthesis and characterization of a hydrophilic conjugated 4+4 Re(I)-porphyrin metallacycle. Inorganica Chimica Acta, 2016, 453, 376-384.	1.2	3
46	Self-assembly and spectroscopic fingerprints of photoactive pyrenyl tectons on hBN/Cu(111). Beilstein Journal of Nanotechnology, 2020, 11, 1470-1483.	1.5	2
47	Lightâ€Controlled Regioselective Synthesis of Fullerene Bisâ€Adducts. Angewandte Chemie, 2021, 133, 317-324.	1.6	2
48	On-Surface Synthesis of Rigid Benzenoid- and Nonbenzenoid-Coupled Porphyrinâ€“Graphene Nanoribbon Hybrids. Journal of Physical Chemistry C, 0, , .	1.5	2