

Luka Dordevic

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

1,308
citations

18
h-index

35
g-index

51
ext. papers

1,904
ext. citations

11.5
avg, IF

5.2
L-index

#	Paper	IF	Citations
45	Synthesis, Separation, and Characterization of Small and Highly Fluorescent Nitrogen-Doped Carbon NanoDots. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2107-12	16.4	203
44	Design principles of chiral carbon nanodots help convey chirality from molecular to nanoscale level. <i>Nature Communications</i> , 2018 , 9, 3442	17.4	104
43	Design, Synthesis, and Functionalization Strategies of Tailored Carbon Nanodots. <i>Accounts of Chemical Research</i> , 2019 , 52, 2070-2079	24.3	96
42	Integration of Enzymes and Photosensitizers in a Hierarchical Mesoporous Metal-Organic Framework for Light-Driven CO Reduction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1768-1773	16.4	80
41	Rationally Designed Carbon Nanodots towards Pure White-Light Emission. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4170-4173	16.4	76
40	Synthesis, Separation, and Characterization of Small and Highly Fluorescent Nitrogen-Doped Carbon NanoDots. <i>Angewandte Chemie</i> , 2016 , 128, 2147-2152	3.6	59
39	Nitrogen-Doped Carbon Nanodots-Ionogels: Preparation, Characterization, and Radical Scavenging Activity. <i>ACS Nano</i> , 2018 , 12, 1296-1305	16.7	57
38	Preparation, functionalization and characterization of engineered carbon nanodots. <i>Nature Protocols</i> , 2019 , 14, 2931-2953	18.8	52
37	Porphyrin Antennas on Carbon Nanodots: Excited State Energy and Electron Transduction. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12097-12101	16.4	50
36	A multifunctional chemical toolbox to engineer carbon dots for biomedical and energy applications.. <i>Nature Nanotechnology</i> , 2022 , 17, 112-130	28.7	49
35	Screening Supramolecular Interactions between Carbon Nanodots and Porphyrins. <i>Journal of the American Chemical Society</i> , 2018 , 140, 904-907	16.4	44
34	Solvent Molding of Organic Morphologies Made of Supramolecular Chiral Polymers. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8150-60	16.4	44
33	Customizing the Electrochemical Properties of Carbon Nanodots by Using Quinones in Bottom-Up Synthesis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5062-5067	16.4	42
32	Snapshots into carbon dots formation through a combined spectroscopic approach. <i>Nature Communications</i> , 2021 , 12, 2640	17.4	28
31	Supramolecular Spangling, Crocheting, and Knitting of Functionalized Pyrene Molecules on a Silver Surface. <i>ACS Nano</i> , 2016 , 10, 7665-74	16.7	28
30	Perylene Bisimide Aggregates as Probes for Subnanomolar Discrimination of Aromatic Biogenic Amines. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17079-17089	9.5	27
29	Functionally Biased D2R Antagonists: Targeting the β Arrestin Pathway to Improve Antipsychotic Treatment. <i>ACS Chemical Biology</i> , 2018 , 13, 1038-1047	4.9	20

28	Dysprosium-carboxylate nanomeshes with tunable cavity size and assembly motif through ionic interactions. <i>Chemical Communications</i> , 2016 , 52, 11227-30	5.8	19
27	[60]Fullerene-porphyrin [n]pseudorotaxanes: self-assembly, photophysics and third-order NLO response. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 11858-68	3.6	17
26	Rationally Designed Carbon Nanodots towards Pure White-Light Emission. <i>Angewandte Chemie</i> , 2017 , 129, 4234-4237	3.6	16
25	O-Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixed-Valence Complexes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4106-4114	16.4	15
24	Symmetry-Breaking Charge-Transfer Chromophore Interactions Supported by Carbon Nanodots. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12779-12784	16.4	14
23	Customizing the Electrochemical Properties of Carbon Nanodots by Using Quinones in Bottom-Up Synthesis. <i>Angewandte Chemie</i> , 2018 , 130, 5156-5161	3.6	14
22	Porphyrin Antennas on Carbon Nanodots: Excited State Energy and Electron Transduction. <i>Angewandte Chemie</i> , 2017 , 129, 12265-12269	3.6	13
21	Effects of Two Fullerene Derivatives on Monocytes and Macrophages. <i>BioMed Research International</i> , 2015 , 2015, 915130	3	13
20	Quantum Dot-Sensitized Photoreduction of CO in Water with Turnover Number > 80,000. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18131-18138	16.4	12
19	Lighting up the Electrochemiluminescence of Carbon Dots through Pre- and Post-Synthetic Design. <i>Advanced Science</i> , 2021 , 8, 2100125	13.6	12
18	Combining high-resolution scanning tunnelling microscopy and first-principles simulations to identify halogen bonding. <i>Nature Communications</i> , 2020 , 11, 2103	17.4	11
17	O-Annulation to Polycyclic Aromatic Hydrocarbons: A Tale of Optoelectronic Properties from Five- to Seven-Membered Rings. <i>Organic Letters</i> , 2020 , 22, 4283-4288	6.2	10
16	Synthesis and excited state processes of arrays containing amine-rich carbon dots and unsymmetrical rylene diimides. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3640-3648	7.8	9
15	Selective Photodimerization in a Cyclodextrin Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9129-9139	16.4	9
14	Templating Porphyrin Anisotropy via Magnetically Aligned Carbon Nanotubes. <i>ChemPlusChem</i> , 2019 , 84, 1270-1278	2.8	8
13	Light-Controlled Regioselective Synthesis of Fullerene Bis-Adducts. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 313-320	16.4	8
12	Solvent-dependent moulding of porphyrin-based nanostructures: solid state, solution and on surface self-assembly. <i>Supramolecular Chemistry</i> , 2016 , 28, 753-761	1.8	7
11	O-Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixed-Valence Complexes. <i>Angewandte Chemie</i> , 2020 , 132, 4135-4143	3.6	7

10	A Donor-Acceptor [2]Catenane for Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8000-8010	16.4	6
9	Photocatalytic Aqueous CO Reduction to CO and CH Sensitized by Ullazine Supramolecular Polymers.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	5
8	Influence of the chirality of carbon nanodots on their interaction with proteins and cells. <i>Nature Communications</i> , 2021 , 12, 7208	17.4	5
7	Imaging Supramolecular Morphogenesis with Confocal Laser Scanning Microscopy at Elevated Temperatures. <i>Nano Letters</i> , 2020 , 20, 4234-4241	11.5	4
6	Inter-Backbone Charge Transfer as Prerequisite for Long-Range Conductivity in Perylene Bisimide Hydrogels. <i>ACS Nano</i> , 2018 , 12, 5800-5806	16.7	4
5	Synthesis and characterization of a hydrophilic conjugated 4+4 Re(I)-porphyrin metallacycle. <i>Inorganica Chimica Acta</i> , 2016 , 453, 376-384	2.7	3
4	Symmetry-Breaking Charge-Transfer Chromophore Interactions Supported by Carbon Nanodots. <i>Angewandte Chemie</i> , 2020 , 132, 12879-12884	3.6	3
3	Light-Controlled Regioselective Synthesis of Fullerene Bis-Adducts. <i>Angewandte Chemie</i> , 2021 , 133, 3173-3184	3.4	2
2	Self-assembly and spectroscopic fingerprints of photoactive pyrenyl tectons on BN/Cu(111). <i>Beilstein Journal of Nanotechnology</i> , 2020 , 11, 1470-1483	3	1
1	Efficient and Stable Perovskite Solar Cells based on Nitrogen-Doped Carbon Nanodots. <i>Energy Technology</i> , 2101059	3.5	0