

Francesca Arcudi

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8095444/francesca-arcudi-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

34
papers

1,379
citations

18
h-index

37
g-index

41
ext. papers

1,868
ext. citations

11
avg, IF

5.29
L-index

#	Paper	IF	Citations
34	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
33	Amine-Rich Nitrogen-Doped Carbon Nanodots as a Platform for Self-Enhancing Electrochemiluminescence. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4757-4761	16.4	145
32	Nitrogen-doped carbon nanodots for bioimaging and delivery of paclitaxel. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5540-5548	7.3	105
31	Design principles of chiral carbon nanodots help convey chirality from molecular to nanoscale level. <i>Nature Communications</i> , 2018 , 9, 3442	17.4	104
30	Design, Synthesis, and Functionalization Strategies of Tailored Carbon Nanodots. <i>Accounts of Chemical Research</i> , 2019 , 52, 2070-2079	24.3	96
29	Rationally Designed Carbon Nanodots towards Pure White-Light Emission. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4170-4173	16.4	76
28	Synthesis, Separation, and Characterization of Small and Highly Fluorescent Nitrogen-Doped Carbon NanoDots. <i>Angewandte Chemie</i> , 2016 , 128, 2147-2152	3.6	59
27	Nitrogen-Doped Carbon Nanodots-Ionogels: Preparation, Characterization, and Radical Scavenging Activity. <i>ACS Nano</i> , 2018 , 12, 1296-1305	16.7	57
26	Selective Functionalization of Halloysite Cavity by Click Reaction: Structured Filler for Enhancing Mechanical Properties of Bionanocomposite Films. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15095-15101	3.8	54
25	Preparation, functionalization and characterization of engineered carbon nanodots. <i>Nature Protocols</i> , 2019 , 14, 2931-2953	18.8	52
24	Porphyrin Antennas on Carbon Nanodots: Excited State Energy and Electron Transduction. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12097-12101	16.4	50
23	A multifunctional chemical toolbox to engineer carbon dots for biomedical and energy applications.. <i>Nature Nanotechnology</i> , 2022 , 17, 112-130	28.7	49
22	Screening Supramolecular Interactions between Carbon Nanodots and Porphyrins. <i>Journal of the American Chemical Society</i> , 2018 , 140, 904-907	16.4	44
21	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
20	Top-down and bottom-up approaches to transparent, flexible and luminescent nitrogen-doped carbon nanodot-clay hybrid films. <i>Nanoscale</i> , 2017 , 9, 10256-10262	7.7	33
19	Amine-Rich Nitrogen-Doped Carbon Nanodots as a Platform for Self-Enhancing Electrochemiluminescence. <i>Angewandte Chemie</i> , 2017 , 129, 4835-4839	3.6	31
18	Snapshots into carbon dots formation through a combined spectroscopic approach. <i>Nature Communications</i> , 2021 , 12, 2640	17.4	28

17	Enhancing photoluminescence of graphene quantum dots by thermal annealing of the graphite precursor. <i>Materials Research Bulletin</i> , 2017 , 93, 183-193	5.1	26
16	Rationally Designed Carbon Nanodots towards Pure White-Light Emission. <i>Angewandte Chemie</i> , 2017 , 129, 4234-4237	3.6	16
15	Symmetry-Breaking Charge-Transfer Chromophore Interactions Supported by Carbon Nanodots. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12779-12784	16.4	14
14	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
13	Porphyrin Antennas on Carbon Nanodots: Excited State Energy and Electron Transduction. <i>Angewandte Chemie</i> , 2017 , 129, 12265-12269	3.6	13
12	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
11	Lighting up the Electrochemiluminescence of Carbon Dots through Pre- and Post-Synthetic Design. <i>Advanced Science</i> , 2021 , 8, 2100125	13.6	12
10	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
9	Light-Controlled Regioselective Synthesis of Fullerene Bis-Adducts. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 313-320	16.4	8
8	pH-Dependent structure of water-exposed surfaces of CdSe quantum dots. <i>Chemical Communications</i> , 2019 , 55, 5435-5438	5.8	6
7	Influence of the chirality of carbon nanodots on their interaction with proteins and cells. <i>Nature Communications</i> , 2021 , 12, 7208	17.4	5
6	Colloidally Stable CdS Quantum Dots in Water with Electrostatically Stabilized Weak-Binding, Sulfur-Free Ligands. <i>Chemistry - A European Journal</i> , 2019 , 25, 14469-14474	4.8	4
5	Symmetry-Breaking Charge-Transfer Chromophore Interactions Supported by Carbon Nanodots. <i>Angewandte Chemie</i> , 2020 , 132, 12879-12884	3.6	3
4	Binding abilities of new cyclodextrin cucurbituril supramolecular hosts. <i>Supramolecular Chemistry</i> , 2015 , 27, 233-243	1.8	2
3	Light-Controlled Regioselective Synthesis of Fullerene Bis-Adducts. <i>Angewandte Chemie</i> , 2021 , 133, 317-324	3.4	2
2	Innenfunktionalisierung: Amine-Rich Nitrogen-Doped Carbon Nanodots as a Platform for Self-Enhancing Electrochemiluminescence (Angew. Chem. 17/2017). <i>Angewandte Chemie</i> , 2017 , 129, 4971-4971	3.6	1
1	Efficient and Stable Perovskite Solar Cells based on Nitrogen-Doped Carbon Nanodots. <i>Energy Technology</i> , 2101059	3.5	0