Dan Qu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5573789/publications.pdf

Version: 2024-02-01

44 papers	7,398 citations	136740 32 h-index	223531 46 g-index
46 all docs	46 docs citations	46 times ranked	9157 citing authors

#	Article	IF	Citations
1	Surface hydrophobic modification enhanced catalytic performance of electrochemical nitrogen reduction reaction. Nano Research, 2022, 15, 3886-3893.	5.8	40
2	Recent advances of carbon dots as new antimicrobial agents. SmartMat, 2022, 3, 226-248.	6.4	56
3	Recent Advances of Ceriaâ€Based Materials in the Oxidation of Carbon Monoxide. Small Structures, 2021, 2, 2000081.	6.9	26
4	Water management by hierarchical structures for highly efficient solar water evaporation. Journal of Materials Chemistry A, 2021, 9, 7122-7128.	5.2	34
5	Photocatalyst for Highâ€Performance H 2 Production: Gaâ€Doped Polymeric Carbon Nitride. Angewandte Chemie, 2021, 133, 6189-6194.	1.6	21
6	Photocatalyst for Highâ€Performance H₂ Production: Gaâ€Doped Polymeric Carbon Nitride. Angewandte Chemie - International Edition, 2021, 60, 6124-6129.	7.2	108
7	CoNi Alloy Nanoparticles Encapsulated in N-Doped Graphite Carbon Nanotubes as an Efficient Electrocatalyst for Oxygen Reduction Reaction in an Alkaline Medium. ACS Sustainable Chemistry and Engineering, 2021, 9, 8207-8213.	3.2	20
8	A metal-free carbon dots for wastewater treatment by visible light active photo-Fenton-like reaction in the broad pH range. Chinese Chemical Letters, 2021, 32, 2292-2296.	4.8	37
9	Constructing creatinine-derived moiety as donor block for carbon nitride photocatalyst with extended absorption and spatial charge separation. Applied Catalysis B: Environmental, 2021, 291, 120099.	10.8	44
10	Boosting visible-light driven solar-fuel production over g-C3N4/tetra(4-carboxyphenyl)porphyrin iron(III) chloride hybrid photocatalyst via incorporation with carbon dots. Applied Catalysis B: Environmental, 2020, 265, 118595.	10.8	31
11	The formation mechanism and fluorophores of carbon dots synthesized via a bottom-up route. Materials Chemistry Frontiers, 2020, 4, 400-420.	3.2	166
12	Electrocatalytic water splitting using organic polymer materials-based hybrid catalysts. MRS Bulletin, 2020, 45, 562-568.	1.7	9
13	Highly efficient wurtzite/zinc blende CdS visible light photocatalyst with high charge separation efficiency and stability. Journal of Chemical Physics, 2020, 152, 244703.	1.2	8
14	Recent advance of carbon dots in bio-related applications. JPhys Materials, 2020, 3, 022003.	1.8	36
15	White Emissive Carbon Dots Actuated by the H-/J-Aggregates and FÃ¶rster Resonance Energy Transfer. Journal of Physical Chemistry Letters, 2019, 10, 3849-3857.	2.1	53
16	Deliberate construction of direct Z-scheme photocatalysts through photodeposition. Journal of Materials Chemistry A, 2019, 7, 18348-18356.	5.2	85
17	Enhanced photocatalytic N2 fixation by promoting N2 adsorption with a co-catalyst. Science Bulletin, 2019, 64, 918-925.	4.3	109
18	TiO2 sensitized by red-, green-, blue-emissive carbon dots for enhanced H2 production. Rare Metals, 2019, 38, 404-412.	3.6	20

#	Article	IF	Citations
19	Self-floating nanostructured Niâ€“NiO_x/Ni foam for solar thermal water evaporation. Journal of Materials Chemistry A, 2019, 7, 8485-8490.	5.2	82
20	Highly efficient p-type Cu3P/n-type g-C3N4 photocatalyst through Z-scheme charge transfer route. Applied Catalysis B: Environmental, 2019, 240, 253-261.	10.8	240
21	Defective g-C₃N₄ Prepared by the NaBH₄ Reduction for High-Performance H₂ Production. ACS Sustainable Chemistry and Engineering, 2019, 7, 2343-2349.	3.2	87
22	Interference Effect of Alcohol on Nesslerâ€™s Reagent in Photocatalytic Nitrogen Fixation. ACS Sustainable Chemistry and Engineering, 2018, 6, 5342-5348.	3.2	96
23	Enhancing photocatalytic performance by constructing ultrafine TiO2 nanorods/g-C3N4 nanosheets heterojunction for water treatment. Science Bulletin, 2018, 63, 683-690.	4.3	56
24	Peering into water splitting mechanism of g-C3N4-carbon dots metal-free photocatalyst. Applied Catalysis B: Environmental, 2018, 227, 418-424.	10.8	126
25	Photoluminescence: Synthesis of Carbon Dots with Multiple Color Emission by Controlled Graphitization and Surface Functionalization (Adv. Mater. 1/2018). Advanced Materials, 2018, 30, 1870002.	11.1	34
26	Synthesis of Carbon Dots with Multiple Color Emission by Controlled Graphitization and Surface Functionalization. Advanced Materials, 2018, 30, 1704740.	11.1	778
27	Structure defects assisted photocatalytic H2 production for polythiophene nanofibers. Applied Catalysis B: Environmental, 2017, 211, 98-105.	10.8	61
28	Red Emissive Sulfur, Nitrogen Codoped Carbon Dots and Their Application in Ion Detection and Theraonostics. ACS Applied Materials & Interfaces, 2017, 9, 18549-18556.	4.0	369
29	Se & N co-doped carbon dots for high-performance fluorescence imaging agent of angiography. Journal of Materials Chemistry B, 2017, 5, 4988-4992.	2.9	43
30	Highly dispersed few-layer MoS2 nanosheets on S, N co-doped carbon for electrocatalytic H2 production. Chinese Journal of Catalysis, 2017, 38, 1028-1037.	6.9	19
31	A Novel Perovskite SrTiO₃â€“Ba₂FeNbO₆ Solid Solution for Visible Light Photocatalytic Hydrogen Production. Advanced Energy Materials, 2017, 7, 1600932.	10.2	42
32	Surface Defects Enhanced Visible Light Photocatalytic H₂ Production for Znâ€Cdâ€S Solid Solution. Small, 2016, 12, 793-801.	5.2	173
33	Preparation of highly luminescent and color tunable carbon nanodots under visible light excitation for in vitro and in vivo bio-imaging. Journal of Materials Research, 2015, 30, 3386-3393.	1.2	20
34	Tailoring color emissions from N-doped graphene quantum dots for bioimaging applications. Light: Science and Applications, 2015, 4, e364-e364.	7.7	366
35	Three Colors Emission from S,N Coâ€doped Graphene Quantum Dots for Visible Light H₂ Production and Bioimaging. Advanced Optical Materials, 2015, 3, 360-367.	3.6	276
36	Hierarchical TiO₂ spheres decorated with Au nanoparticles for visible light hydrogen production. RSC Advances, 2015, 5, 21237-21241.	1.7	11

#	Article	IF	Citations
37	Photoluminescence: Three Colors Emission from S,N Co-doped Graphene Quantum Dots for Visible Light H2Production and Bioimaging (Advanced Optical Materials 3/2015). Advanced Optical Materials, 2015, 3, 359-359.	3.6	4
38	Self-Targeting Fluorescent Carbon Dots for Diagnosis of Brain Cancer Cells. ACS Nano, 2015, 9, 11455-11461.	7.3	439
39	Effect of defects on photocatalytic activity of rutile TiO2 nanorods. Nano Research, 2015, 8, 4061-4071.	5.8	154
40	Integrating Oxaliplatin with Highly Luminescent Carbon Dots: An Unprecedented Theranostic Agent for Personalized Medicine. Advanced Materials, 2014, 26, 3554-3560.	11.1	509
41	Formation mechanism and optimization of highly luminescent N-doped graphene quantum dots. Scientific Reports, 2014, 4, 5294.	1.6	759
42	Highly luminescent S, N co-doped graphene quantum dots with broad visible absorption bands for visible light photocatalysts. Nanoscale, 2013, 5, 12272.	2.8	1,018
43	Onâ€“Offâ€“On Fluorescent Carbon Dot Nanosensor for Recognition of Chromium(VI) and Ascorbic Acid Based on the Inner Filter Effect. ACS Applied Materials & Interfaces, 2013, 5, 13242-13247.	4.0	700
44	Orientated anatase TiO2 nanocrystal array thin films for self-cleaning coating. Chemical Communications, 2013, 49, 8958.	2.2	19