Dan Qu

List of Publications by Year in descending order

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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	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
2	Synthesis of Carbon Dots with Multiple Color Emission by Controlled Graphitization and Surface Functionalization. Advanced Materials, 2018, 30, 1704740.	11.1	778
3	Formation mechanism and optimization of highly luminescent N-doped graphene quantum dots. Scientific Reports, 2014, 4, 5294.	1.6	759
4	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
5	Integrating Oxaliplatin with Highly Luminescent Carbon Dots: An Unprecedented Theranostic Agent for Personalized Medicine. Advanced Materials, 2014, 26, 3554-3560.	11.1	509
6	Self-Targeting Fluorescent Carbon Dots for Diagnosis of Brain Cancer Cells. ACS Nano, 2015, 9, 11455-11461.	7.3	439
7	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
8	Tailoring color emissions from N-doped graphene quantum dots for bioimaging applications. Light: Science and Applications, 2015, 4, e364-e364.	7.7	366
9	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
10	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
11	Surface Defects Enhanced Visible Light Photocatalytic H₂ Production for Znâ€Cdâ€S Solid Solution. Small, 2016, 12, 793-801.	5.2	173
12	The formation mechanism and fluorophores of carbon dots synthesized via a bottom-up route. Materials Chemistry Frontiers, 2020, 4, 400-420.	3.2	166
13	Effect of defects on photocatalytic activity of rutile TiO2 nanorods. Nano Research, 2015, 8, 4061-4071.	5.8	154
14	Peering into water splitting mechanism of g-C3N4-carbon dots metal-free photocatalyst. Applied Catalysis B: Environmental, 2018, 227, 418-424.	10.8	126
15	Enhanced photocatalytic N2 fixation by promoting N2 adsorption with a co-catalyst. Science Bulletin, 2019, 64, 918-925.	4.3	109
16	Photocatalyst for Highâ€Performance H₂ Production: Gaâ€Doped Polymeric Carbon Nitride. Angewandte Chemie - International Edition, 2021, 60, 6124-6129.	7.2	108
17	Interference Effect of Alcohol on Nesslerâ€™s Reagent in Photocatalytic Nitrogen Fixation. ACS Sustainable Chemistry and Engineering, 2018, 6, 5342-5348.	3.2	96
18	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

#	Article	IF	Citations
19	Deliberate construction of direct Z-scheme photocatalysts through photodeposition. Journal of Materials Chemistry A, 2019, 7, 18348-18356.	5.2	85
20	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
21	Structure defects assisted photocatalytic H2 production for polythiophene nanofibers. Applied Catalysis B: Environmental, 2017, 211, 98-105.	10.8	61
22	Enhancing photocatalytic performance by constructing ultrafine TiO2 nanorods/g-C3N4 nanosheets heterojunction for water treatment. Science Bulletin, 2018, 63, 683-690.	4.3	56
23	Recent advances of carbon dots as new antimicrobial agents. SmartMat, 2022, 3, 226-248.	6.4	56
24	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
25	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
26	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
27	A Novel Perovskite SrTiO₃â€“Ba₂FeNbO₆ Solid Solution for Visible Light Photocatalytic Hydrogen Production. Advanced Energy Materials, 2017, 7, 1600932.	10.2	42
28	Surface hydrophobic modification enhanced catalytic performance of electrochemical nitrogen reduction reaction. Nano Research, 2022, 15, 3886-3893.	5.8	40
29	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
30	Recent advance of carbon dots in bio-related applications. JPhys Materials, 2020, 3, 022003.	1.8	36
31	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
32	Water management by hierarchical structures for highly efficient solar water evaporation. Journal of Materials Chemistry A, 2021, 9, 7122-7128.	5.2	34
33	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
34	Recent Advances of Ceriaâ€Based Materials in the Oxidation of Carbon Monoxide. Small Structures, 2021, 2, 2000081.	6.9	26
35	Photocatalyst for Highâ€Performance H 2 Production: Gaâ€Doped Polymeric Carbon Nitride. Angewandte Chemie, 2021, 133, 6189-6194.	1.6	21
36	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

#	Article	IF	Citations
37	TiO2 sensitized by red-, green-, blue-emissive carbon dots for enhanced H2 production. Rare Metals, 2019, 38, 404-412.	3.6	20
38	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
39	Orientated anatase TiO2 nanocrystal array thin films for self-cleaning coating. Chemical Communications, 2013, 49, 8958.	2.2	19
40	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
41	Hierarchical TiO₂ spheres decorated with Au nanoparticles for visible light hydrogen production. RSC Advances, 2015, 5, 21237-21241.	1.7	11
42	Electrocatalytic water splitting using organic polymer materials-based hybrid catalysts. MRS Bulletin, 2020, 45, 562-568.	1.7	9
43	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
44	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