

Dan Qu

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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.

43
papers

5,467
citations

25
h-index

46
g-index

46
ext. papers

6,406
ext. citations

11.7
avg, IF

5.95
L-index

#	Paper	IF	Citations
43	Highly luminescent S, N co-doped graphene quantum dots with broad visible absorption bands for visible light photocatalysts. <i>Nanoscale</i> , 2013 , 5, 12272-7	7.7	838
42	Formation mechanism and optimization of highly luminescent N-doped graphene quantum dots. <i>Scientific Reports</i> , 2014 , 4, 5294	4.9	639
41	On-off-on fluorescent carbon dot nanosensor for recognition of chromium(VI) and ascorbic acid based on the inner filter effect. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 13242-7	9.5	588
40	Synthesis of Carbon Dots with Multiple Color Emission by Controlled Graphitization and Surface Functionalization. <i>Advanced Materials</i> , 2018 , 30, 1704740	24	536
39	Integrating oxaliplatin with highly luminescent carbon dots: an unprecedented theranostic agent for personalized medicine. <i>Advanced Materials</i> , 2014 , 26, 3554-60	24	415
38	Self-Targeting Fluorescent Carbon Dots for Diagnosis of Brain Cancer Cells. <i>ACS Nano</i> , 2015 , 9, 11455-61	16.7	334
37	Tailoring color emissions from N-doped graphene quantum dots for bioimaging applications. <i>Light: Science and Applications</i> , 2015 , 4, e364-e364	16.7	308
36	Red Emissive Sulfur, Nitrogen Codoped Carbon Dots and Their Application in Ion Detection and Theraonostics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18549-18556	9.5	270
35	Three Colors Emission from S,N Co-doped Graphene Quantum Dots for Visible Light H2 Production and Bioimaging. <i>Advanced Optical Materials</i> , 2015 , 3, 360-367	8.1	221
34	Highly efficient p-type Cu3P/n-type g-C3N4 photocatalyst through Z-scheme charge transfer route. <i>Applied Catalysis B: Environmental</i> , 2019 , 240, 253-261	21.8	166
33	Effect of defects on photocatalytic activity of rutile TiO2 nanorods. <i>Nano Research</i> , 2015 , 8, 4061-4071	10	133
32	Surface Defects Enhanced Visible Light Photocatalytic H2 Production for Zn-Cd-S Solid Solution. <i>Small</i> , 2016 , 12, 793-801	11	127
31	The formation mechanism and fluorophores of carbon dots synthesized via a bottom-up route. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 400-420	7.8	86
30	Peering into water splitting mechanism of g-C3N4-carbon dots metal-free photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2018 , 227, 418-424	21.8	79
29	Interference Effect of Alcohol on Nessler's Reagent in Photocatalytic Nitrogen Fixation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5342-5348	8.3	68
28	Enhanced photocatalytic N2 fixation by promoting N2 adsorption with a co-catalyst. <i>Science Bulletin</i> , 2019 , 64, 918-925	10.6	57
27	Deliberate construction of direct Z-scheme photocatalysts through photodeposition. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18348-18356	13	54

26	Structure defects assisted photocatalytic H ₂ production for polythiophene nanofibers. <i>Applied Catalysis B: Environmental</i> , 2017 , 211, 98-105	21.8	51
25	Defective g-C ₃ N ₄ Prepared by the NaBH ₄ Reduction for High-Performance H ₂ Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2343-2349	8.3	46
24	Self-floating nanostructured Ni ₂ NiOx/Ni foam for solar thermal water evaporation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8485-8490	13	44
23	Enhancing photocatalytic performance by constructing ultrafine TiO ₂ nanorods/g-C ₃ N ₄ nanosheets heterojunction for water treatment. <i>Science Bulletin</i> , 2018 , 63, 683-690	10.6	40
22	White Emissive Carbon Dots Actuated by the H-/J-Aggregates and Förster Resonance Energy Transfer. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3849-3857	6.4	38
21	Photocatalyst for High-Performance H ₂ Production: Ga-Doped Polymeric Carbon Nitride. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6124-6129	16.4	38
20	Se & N co-doped carbon dots for high-performance fluorescence imaging agent of angiography. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 4988-4992	7.3	35
19	A Novel Perovskite SrTiO ₃ -Ba ₂ FeNbO ₆ Solid Solution for Visible Light Photocatalytic Hydrogen Production. <i>Advanced Energy Materials</i> , 2017 , 7, 1600932	21.8	34
18	Photoluminescence: Synthesis of Carbon Dots with Multiple Color Emission by Controlled Graphitization and Surface Functionalization (Adv. Mater. 1/2018). <i>Advanced Materials</i> , 2018 , 30, 1870002 ²⁴	24	25
17	Recent advance of carbon dots in bio-related applications. <i>JPhys Materials</i> , 2020 , 3, 022003	4.2	19
16	Constructing creatinine-derived moiety as donor block for carbon nitride photocatalyst with extended absorption and spatial charge separation. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120099 ^{21.8}	21.8	19
15	Orientated anatase TiO ₂ nanocrystal array thin films for self-cleaning coating. <i>Chemical Communications</i> , 2013 , 49, 8958-60	5.8	18
14	Boosting visible-light driven solar-fuel production over g-C ₃ N ₄ /tetra(4-carboxyphenyl)porphyrin iron(III) chloride hybrid photocatalyst via incorporation with carbon dots. <i>Applied Catalysis B: Environmental</i> , 2020 , 265, 118595	21.8	18
13	TiO ₂ sensitized by red-, green-, blue-emissive carbon dots for enhanced H ₂ production. <i>Rare Metals</i> , 2019 , 38, 404-412	5.5	16
12	Preparation of highly luminescent and color tunable carbon nanodots under visible light excitation for in vitro and in vivo bio-imaging. <i>Journal of Materials Research</i> , 2015 , 30, 3386-3393	2.5	15
11	Highly dispersed few-layer MoS ₂ nanosheets on S, N co-doped carbon for electrocatalytic H ₂ production. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 1028-1037	11.3	13
10	Recent Advances of Ceria-Based Materials in the Oxidation of Carbon Monoxide. <i>Small Structures</i> , 2021 , 2, 2000081	8.7	10
9	Hierarchical TiO ₂ spheres decorated with Au nanoparticles for visible light hydrogen production. <i>RSC Advances</i> , 2015 , 5, 21237-21241	3.7	9

8	Photocatalyst for High-Performance H ₂ Production: Ga-Doped Polymeric Carbon Nitride. <i>Angewandte Chemie</i> , 2021 , 133, 6189-6194	3.6	9
7	Water management by hierarchical structures for highly efficient solar water evaporation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7122-7128	13	8
6	A metal-free carbon dots for wastewater treatment by visible light active photo-Fenton-like reaction in the broad pH range. <i>Chinese Chemical Letters</i> , 2021 , 32, 2292-2296	8.1	7
5	Photoluminescence: Three Colors Emission from S,N Co-doped Graphene Quantum Dots for Visible Light H ₂ Production and Bioimaging (Advanced Optical Materials 3/2015). <i>Advanced Optical Materials</i> , 2015 , 3, 359-359	8.1	4
4	Highly efficient wurtzite/zinc blende CdS visible light photocatalyst with high charge separation efficiency and stability. <i>Journal of Chemical Physics</i> , 2020 , 152, 244703	3.9	4
3	Surface hydrophobic modification enhanced catalytic performance of electrochemical nitrogen reduction reaction. <i>Nano Research</i> , 1	10	4
2	Electrocatalytic water splitting using organic polymer materials-based hybrid catalysts. <i>MRS Bulletin</i> , 2020 , 45, 562-568	3.2	4
1	CoNi Alloy Nanoparticles Encapsulated in N-Doped Graphite Carbon Nanotubes as an Efficient Electrocatalyst for Oxygen Reduction Reaction in an Alkaline Medium. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8207-8213	8.3	2