Hu Shaozheng

List of Publications by Year
in descending order

35	3,062	201674	361022
papers	citations	27 h-index	35 g-index

35	35	35	3035
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced visible light photocatalytic performance of g-C3N4 photocatalysts co-doped with iron and phosphorus. Applied Surface Science, 2014, 311, 164-171.	6.1	376
2	Band gap-tunable potassium doped graphitic carbon nitride with enhanced mineralization ability. Dalton Transactions, 2015, 44, 1084-1092.	3.3	295
3	Fe3+ doping promoted N2 photofixation ability of honeycombed graphitic carbon nitride: The experimental and density functional theory simulation analysis. Applied Catalysis B: Environmental, 2017, 201, 58-69.	20.2	287
4	A simple and efficient method to prepare a phosphorus modified g-C₃N₄ visible light photocatalyst. RSC Advances, 2014, 4, 21657-21663.	3.6	194
5	Photocatalytic oxygen reduction to hydrogen peroxide over copper doped graphitic carbon nitride hollow microsphere: The effect of Cu(I)-N active sites. Chemical Engineering Journal, 2018, 334, 410-418.	12.7	168
6	Effect of sulfur vacancies on the nitrogen photofixation performance of ternary metal sulfide photocatalysts. Catalysis Science and Technology, 2016, 6, 5884-5890.	4.1	160
7	A convenient method to prepare a novel alkali metal sodium doped carbon nitride photocatalyst with a tunable band structure. RSC Advances, 2014, 4, 62912-62919.	3.6	142
8	Novel band gap-tunable Kâ€“Na co-doped graphitic carbon nitride prepared by molten salt method. Applied Surface Science, 2015, 332, 625-630.	6.1	129
9	Construction of g-C₃N₄/Zn_{0.11}Sn_{0.12}Cd_{0.88}S_{1.12} Hybrid Heterojunction Catalyst with Outstanding Nitrogen Photofixation Performance Induced by Sulfur Vacancies. ACS Sustainable Chemistry and Engineering, 2016, 4, 2269-2278.	6.7	107
10	Effect of Cu(I)â€“N Active Sites on the N₂ Photofixation Ability over Flowerlike Copper-Doped g-C₃N₄ Prepared via a Novel Molten Salt-Assisted Microwave Process: The Experimental and Density Functional Theory Simulation Analysis. ACS Sustainable Chemistry and Engineering, 2017, 5, 6863-6872.	6.7	86
11	Hydrothermal synthesis of oxygen functionalized Sâ€“P codoped g-C₃N₄ nanorods with outstanding visible light activity under anoxic conditions. Dalton Transactions, 2015, 44, 20889-20897.	3.3	85
12	Construction of a 2D/2D g-C₃N₄/rGO hybrid heterojunction catalyst with outstanding charge separation ability and nitrogen photofixation performance via a surface protonation process. RSC Advances, 2016, 6, 25695-25702.	3.6	85
13	Preparation of g-C₃N₄/ZnMoCdS hybrid heterojunction catalyst with outstanding nitrogen photofixation performance under visible light via hydrothermal post-treatment. Dalton Transactions, 2016, 45, 3497-3505.	3.3	85
14	Preparation of the W₁₈O₄₉/g-C₃N₄ heterojunction catalyst with full-spectrum-driven photocatalytic N₂ photofixation ability from the UV to near infrared region. New Journal of Chemistry, 2017, 41, 8920-8926.	2.8	79
15	Molten salt assistant synthesis of three-dimensional cobalt doped graphitic carbon nitride for photocatalytic N2 fixation: Experiment and DFT simulation analysis. Chemical Engineering Journal, 2019, 368, 896-904.	12.7	72
16	Photofixation of atmospheric nitrogen to ammonia with a novel ternary metal sulfide catalyst under visible light. RSC Advances, 2016, 6, 49862-49867.	3.6	61
17	The influence of preparation method on the photocatalytic performance of g-C3N4/WO3 composite photocatalyst. Ceramics International, 2014, 40, 11963-11969.	4.8	58
18	The effect of embedding N vacancies into g-C3N4 on the photocatalytic H2O2 production ability via H2 plasma treatment. Diamond and Related Materials, 2018, 86, 159-166.	3.9	55

#	Article	IF	Citations
19	Properties and photocatalytic performance of polypyrrole and polythiophene modified g-C₃N₄ nanocomposites. RSC Advances, 2015, 5, 31947-31953.	3.6	54
20	In situ construction of Z-scheme g-C₃N₄/Mg_{1.1}Al_{0.3}Fe_{0.2}O_{1.7} nanorod heterostructures with high N₂ photofixation ability under visible light. RSC Advances, 2017, 7, 18099-18107.	3.6	51
21	A facile approach to synthesize oxygen doped g-C₃N₄ with enhanced visible light activity under anoxic conditions via oxygen-plasma treatment. New Journal of Chemistry, 2018, 42, 4998-5004.	2.8	51
22	The influence of preparation method, nitrogen source, and post-treatment on the photocatalytic activity and stability of N-doped TiO2 nanopowder. Journal of Hazardous Materials, 2011, 196, 248-254.	12.4	46
23	Construction of g-C₃N₄/S-g-C₃N₄ metal-free isotype heterojunctions with an enhanced charge driving force and their photocatalytic performance under anoxic conditions. RSC Advances, 2015, 5, 90750-90756.	3.6	45
24	â€œTwo channelâ€•photocatalytic hydrogen peroxide production using g-C₃N₄ coated CuO nanorod heterojunction catalysts prepared via a novel molten salt-assisted microwave process. New Journal of Chemistry, 2018, 42, 13529-13535.	2.8	38
25	Synthesis and properties of visible light responsive g-C₃N₄/Bi₂O₂CO₃ layered heterojunction nanocomposites. RSC Advances, 2015, 5, 42736-42743.	3.6	36
26	Promotion of activation ability of N vacancies to N2 molecules on sulfur-doped graphitic carbon nitride with outstanding photocatalytic nitrogen fixation ability. Chinese Journal of Catalysis, 2019, 40, 1178-1186.	14.0	36
27	Infrared ray assisted microwave synthesis: a convenient method for large-scale production of graphitic carbon nitride with outstanding nitrogen photofixation ability. RSC Advances, 2016, 6, 45931-45937.	3.6	34
28	Hydrothermal Synthesis of Band Gap-Tunable Oxygen-Doped g-C₃N₄ with Outstanding â€œTwo-Channelâ€•Photocatalytic H₂O₂ Production Ability Assisted by Dissolutionâ€“Precipitation Process. Nano, 2019, 14, 1950023.	1.0	28
29	Template free synthesis of lithium doped three-dimensional macroporous graphitic carbon nitride for photocatalytic N₂fixation: the effect of Liâ€“N active sites. Dalton Transactions, 2019, 48, 5083-5089.	3.3	27
30	The effect of Ni(<scp>i</scp>)â€“N active sites on the photocatalytic H₂O₂ production ability over nickel doped graphitic carbon nitride nanofibers. New Journal of Chemistry, 2017, 41, 15289-15297.	2.8	26
31	A green and facile method to prepare graphitic carbon nitride nanosheets with outstanding photocatalytic H₂O₂ production ability via NaClO hydrothermal treatment. New Journal of Chemistry, 2018, 42, 18335-18341.	2.8	26
32	One step synthesis of high-efficiency AgBrâ€“Brâ€“g-C₃N₄ composite catalysts for photocatalytic H₂O₂ production via two channel pathway. RSC Advances, 2018, 8, 36903-36909.	3.6	25
33	Construction of a wide-spectrum-driven V_N-g-C₃N₄/Cu₂(OH)₂CO₃ heterojunction catalyst from VIS to NIR light via the in situ self-sacrificial method: the effect of oxygen on the N₂ photofixation ability. New Journal of Chemistry, 2019, 43, 12094-12102.	2.8	8
34	Alkali Hydrothermal Treatment to Synthesize Hydroxyl Modified g-C₃N₄ with Outstanding Photocatalytic Phenolic Compounds Oxidation Ability. Nano, 2020, 15, 2050083.	1.0	6
35	Practical Preparation of Carbon Black/Carbon Nitride Compounds and Their Photocatalytic Performance. Bulletin of the Korean Chemical Society, 2015, 36, 2527-2533.	1.9	1