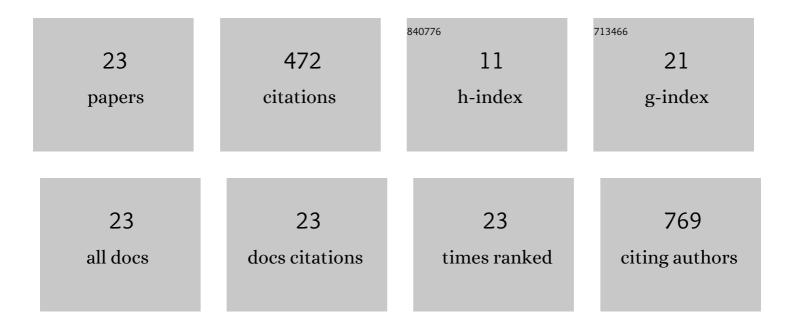
Xinggang Hou

List of Publications by Year in descending order

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XINCOME HOU

#	Article	IF	CITATIONS
1	Synthesis of Ag ion-implanted TiO2 thin films for antibacterial application and photocatalytic performance. Journal of Hazardous Materials, 2015, 299, 59-66.	12.4	93
2	G-C3N4-based films: A rising star for photoelectrochemical water splitting. Sustainable Materials and Technologies, 2019, 19, e00089.	3.3	44
3	The antibacterial and hydrophilic properties of silver-doped TiO2 thin films using sol–gel method. Applied Surface Science, 2012, 258, 8241-8246.	6.1	43
4	Photoâ€rechargeable batteries and supercapacitors: Critical roles of carbonâ€based functional materials. , 2021, 3, 225-252.		41
5	Calcination of reduced graphene oxide decorated TiO 2 composites for recovery and reuse in photocatalytic applications. Ceramics International, 2017, 43, 1150-1159.	4.8	39
6	Cu-Ion-Implanted and Polymeric Carbon Nitride-Decorated TiO ₂ Nanotube Array for Unassisted Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2021, 13, 44184-44194.	8.0	32
7	Simultaneously efficient light absorption and charge transport of CdS/TiO2 nanotube array toward improved photoelectrochemical performance. International Journal of Hydrogen Energy, 2019, 44, 30899-30909.	7.1	30
8	Antibacterial ability of Ag–TiO2 nanotubes prepared by ion implantation and anodic oxidation. Materials Letters, 2015, 161, 309-312.	2.6	23
9	Enhanced photoelectrocatalytic degradation of organic pollutants using TiO2 nanotubes implanted with nitrogen ions. Journal of Materials Science, 2020, 55, 5843-5860.	3.7	18
10	First-principles calculations on implanted TiO2 by 3d transition metal ions. Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 838-842.	0.2	17
11	Hydrophilic, antibacterial and photocatalytic properties of TiO2 composite films modified by the methods of N+ ion implantation and doping of CNTs under visible light irradiation. Surface and Coatings Technology, 2019, 365, 123-128.	4.8	16
12	Novel integrated strategies toward efficient and stable unassisted photoelectrochemical water splitting. Sustainable Materials and Technologies, 2020, 25, e00209.	3.3	14
13	Photoelectrical properties of nitrogen doped TiO2 nanotubes by anodic oxidation of N+ implanted Ti foils. Materials Letters, 2014, 124, 101-104.	2.6	11
14	Studies on photocatalytic activity of Ag/TiO2 films. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2006, 1, 402-407.	0.4	9
15	Enhanced superhydrophilicity of N+ implanted multiwalled carbon nanotubes-TiO2 composite thin films. Vacuum, 2014, 100, 74-77.	3.5	9
16	Cytocompatibility and antibacterial property of N+ ions implanted TiO2 nanotubes. Surface and Coatings Technology, 2019, 359, 468-475.	4.8	8
17	Study of antibacterial, hydrophilic and nanomechanical properties of TiOX films modified by Ag+ beam implantation. Surface and Coatings Technology, 2013, 229, 71-75.	4.8	7
18	Photoelectrochemical nitrogen reduction: A step toward achieving sustainable ammonia synthesis. Chinese Journal of Catalysis, 2022, 43, 1761-1773.	14.0	7

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#	Article	IF	CITATIONS
19	THE LAPW CALCULATION OF ELECTRONIC STRUCTURE OF ANATASE TiO₂ DOPED WITH TRANSITION METAL ATOMS. Journal of Theoretical and Computational Chemistry, 2010, 09, 415-422.	1.8	3
20	Influence of V+-implantation on structural, chemical, optical and nanomechanical properties of TiO2 films. Vacuum, 2013, 89, 147-152.	3.5	3
21	Photocurrent enhancement on TiO2 nanotubes co-modified by N+ implantation and combustion of graphene. Materials Letters, 2019, 238, 77-80.	2.6	3
22	Application of beam irradiation in preparation of visible light responsive TiO2 films. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2007, 2, 387-392.	0.4	1
23	Experimental and computational study of visible light-induced photocatalytic ability of nitrogen ions-implanted TiO2 nanotubes. Chinese Physics B, 2020, 29, 048501.	1.4	1