

# Hiep Han

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

3,528  
citations

279798

23  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

4871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Band gap engineered TiO <sub>2</sub> nanoparticles for visible light induced photoelectrochemical and photocatalytic studies. <i>Journal of Materials Chemistry A</i> , 2014, 2, 637-644.	10.3	751
2	Oxygen vacancy induced band gap narrowing of ZnO nanostructures by an electrochemically active biofilm. <i>Nanoscale</i> , 2013, 5, 9238.	5.6	523
3	Biogenic Synthesis, Photocatalytic, and Photoelectrochemical Performance of Ag@ZnO Nanocomposite. <i>Journal of Physical Chemistry C</i> , 2013, 117, 27023-27030.	3.1	368
4	Highly visible light active Ag@TiO <sub>2</sub> nanocomposites synthesized using an electrochemically active biofilm: a novel biogenic approach. <i>Nanoscale</i> , 2013, 5, 4427.	5.6	219
5	Environmentally Sustainable Fabrication of Ag@g-C <sub>3</sub> N <sub>4</sub> Nanostructures and Their Multifunctional Efficacy as Antibacterial Agents and Photocatalysts. <i>ACS Applied Nano Materials</i> , 2018, 1, 2912-2922.	5.0	142
6	CdS-graphene Nanocomposite for Efficient Visible-light-driven Photocatalytic and Photoelectrochemical Applications. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 221-232.	9.4	140
7	Ce <sup>3+</sup> -ion, Surface Oxygen Vacancy, and Visible Light-induced Photocatalytic Dye Degradation and Photocapacitive Performance of CeO <sub>2</sub> -Graphene Nanostructures. <i>Scientific Reports</i> , 2017, 7, 5928.	3.3	133
8	Biogenic synthesis of a Ag@graphene nanocomposite with efficient photocatalytic degradation, electrical conductivity and photoelectrochemical performance. <i>New Journal of Chemistry</i> , 2015, 39, 8121-8129.	2.8	130
9	Biogenic Fabrication of Au@CeO <sub>2</sub> Nanocomposite with Enhanced Visible Light Activity. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9477-9484.	3.1	123
10	Highly visible light active Ag@ZnO nanocomposites synthesized by gel-combustion route. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1602-1607.	5.8	104
11	Visible light-driven photocatalytic and photoelectrochemical studies of Ag@SnO <sub>2</sub> nanocomposites synthesized using an electrochemically active biofilm. <i>RSC Advances</i> , 2014, 4, 26013-26021.	3.6	103
12	Visible light-induced enhanced photoelectrochemical and photocatalytic studies of gold decorated SnO <sub>2</sub> nanostructures. <i>New Journal of Chemistry</i> , 2015, 39, 2758-2766.	2.8	101
13	Microbial fuel cell assisted band gap narrowed TiO <sub>2</sub> for visible light-induced photocatalytic activities and power generation. <i>Scientific Reports</i> , 2018, 8, 1723.	3.3	91
14	Recent progress of metal@graphene nanostructures in photocatalysis. <i>Nanoscale</i> , 2018, 10, 9427-9440.	5.6	89
15	Enhanced Thermal Stability under DC Electrical Conductivity Retention and Visible Light Activity of Ag/TiO <sub>2</sub> @Polyaniline Nanocomposite Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8124-8133.	8.0	81
16	Green synthesis, photocatalytic and photoelectrochemical performance of an Au@Graphene nanocomposite. <i>RSC Advances</i> , 2015, 5, 26897-26904.	3.6	80
17	Synergistically effective and highly visible light responsive SnO <sub>2</sub> -g-C <sub>3</sub> N <sub>4</sub> nanostructures for improved photocatalytic and photoelectrochemical performance. <i>Applied Surface Science</i> , 2019, 495, 143432.	6.1	77
18	Biofilm-Assisted Fabrication of Ag@SnO <sub>2</sub> -g-C <sub>3</sub> N <sub>4</sub> Nanostructures for Visible Light-Induced Photocatalysis and Photoelectrochemical Performance. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20936-20948.	3.1	60

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19	Environmentally sustainable biogenic fabrication of AuNP decorated-graphitic g-C <sub>3</sub> N <sub>4</sub> nanostructures towards improved photoelectrochemical performances. RSC Advances, 2018, 8, 13898-13909.	3.6	50
20	Mixed Culture Electrochemically Active Biofilms and their Microscopic and Spectroelectrochemical Studies. ACS Sustainable Chemistry and Engineering, 2014, 2, 423-432.	6.7	46
21	Fabrication of binary SnO <sub>2</sub> /TiO <sub>2</sub> nanocomposites under a sonication-assisted approach: Tuning of band-gap and water depollution applications under visible light irradiation. Ceramics International, 2021, 47, 15073-15081.	4.8	36
22	Ag-modified SnO <sub>2</sub> -graphitic-carbon nitride nanostructures for electrochemical sensor applications. Ceramics International, 2021, 47, 23578-23589.	4.8	36
23	Defected graphene nano-platelets for enhanced hydrophilic nature and visible light-induced photoelectrochemical performances. Journal of Physics and Chemistry of Solids, 2017, 104, 233-242.	4.0	27
24	Synergistic performance of Fe <sub>3</sub> O <sub>4</sub> / SnO <sub>2</sub> / rGO nanocomposite for supercapacitor and visible light-responsive photocatalysis. International Journal of Energy Research, 2022, 46, 6517-6528.	4.5	10
25	Graphitic-carbon nitride based mixed-phase bismuth nanostructures: Tuned optical and structural properties with boosted photocatalytic performance for wastewater decontamination under visible-light irradiation. Nanolmpact, 2021, 23, 100345.	4.5	8