

# Thi Hiep Han

## List of Publications by Year in descending order

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27  
papers

985  
citations

516215

16  
h-index

552369

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1528  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmentally Sustainable Fabrication of Ag@C <sub>3</sub> N <sub>4</sub> Nanostructures and Their Multifunctional Efficacy as Antibacterial Agents and Photocatalysts. ACS Applied Nano Materials, 2018, 1, 2912-2922.	2.4	142
2	Fibrous polyaniline@manganese oxide nanocomposites as supercapacitor electrode materials and cathode catalysts for improved power production in microbial fuel cells. Physical Chemistry Chemical Physics, 2016, 18, 9053-9060.	1.3	133
3	Environmental factors affecting indole production in Escherichia coli. Research in Microbiology, 2011, 162, 108-116.	1.0	102
4	Simultaneous Enhancement of Methylene Blue Degradation and Power Generation in a Microbial Fuel Cell by Gold Nanoparticles. Industrial & Engineering Chemistry Research, 2013, 52, 8174-8181.	1.8	81
5	Metal-Free Carbon-Based Materials: Promising Electrocatalysts for Oxygen Reduction Reaction in Microbial Fuel Cells. International Journal of Molecular Sciences, 2017, 18, 25.	1.8	67
6	Simple and rapid synthesis of ternary polyaniline/titanium oxide/graphene by simultaneous TiO <sub>2</sub> generation and aniline oxidation as hybrid materials for supercapacitor applications. Journal of Solid State Electrochemistry, 2017, 21, 57-68.	1.2	56
7	Positively Charged Gold Nanoparticles Synthesized by Electrochemically Active Biofilm—A Biogenic Approach. Journal of Nanoscience and Nanotechnology, 2013, 13, 6079-6085.	0.9	44
8	Three-dimensional, highly porous N-doped carbon foam as microorganism propitious, efficient anode for high performance microbial fuel cell. RSC Advances, 2016, 6, 25799-25807.	1.7	44
9	Ternary Composite of Polyaniline Graphene and TiO <sub>2</sub> as a Bifunctional Catalyst to Enhance the Performance of Both the Bioanode and Cathode of a Microbial Fuel Cell. Industrial & Engineering Chemistry Research, 2018, 57, 6705-6713.	1.8	40
10	Effect of nitrogen doping on the catalytic activity of carbon nano-onions for the oxygen reduction reaction in microbial fuel cells. Journal of Industrial and Engineering Chemistry, 2020, 81, 269-277.	2.9	34
11	Electrochemically synthesized sulfur-doped graphene as a superior metal-free cathodic catalyst for oxygen reduction reaction in microbial fuel cells. RSC Advances, 2016, 6, 103446-103454.	1.7	31
12	Electrochemically active biofilm-assisted biogenic synthesis of an Ag-decorated ZnO@C core-shell ternary plasmonic photocatalyst with enhanced visible-photocatalytic activity. New Journal of Chemistry, 2018, 42, 1995-2005.	1.4	27
13	A metal-free and non-precious multifunctional 3D carbon foam for high-energy density supercapacitors and enhanced power generation in microbial fuel cells. Journal of Industrial and Engineering Chemistry, 2018, 60, 431-440.	2.9	27
14	Indole oxidation enhances electricity production in an E. coli-catalyzed microbial fuel cell. Biotechnology and Bioprocess Engineering, 2014, 19, 126-131.	1.4	20
15	Optimization of positively charged gold nanoparticles synthesized using a stainless-steel mesh and its application for colorimetric hydrogen peroxide detection. Journal of Industrial and Engineering Chemistry, 2014, 20, 2003-2009.	2.9	19
16	Carbothermal process-derived porous N-doped carbon for flexible energy storage: Influence of carbon surface area and conductivity. Chemical Engineering Journal, 2019, 378, 122158.	6.6	19
17	Microbial fuel cell-assisted biogenic synthesis of gold nanoparticles and its application to energy production and hydrogen peroxide detection. Korean Journal of Chemical Engineering, 2020, 37, 1241-1250.	1.2	16
18	Synthesis of Positively Charged Gold Nanoparticles Using a Stainless-Steel Mesh. Journal of Nanoscience and Nanotechnology, 2013, 13, 6140-6144.	0.9	15

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19	Co-culture Consortium of Scenedesmus dimorphus and Nitrifiers Enhances the Removal of Nitrogen and Phosphorus from Artificial Wastewater. KSCE Journal of Civil Engineering, 2018, 22, 3215-3221.	0.9	15
20	Bio-synthesis of finely distributed Ag nanoparticle-decorated TiO <sub>2</sub> nanorods for sunlight-induced photoelectrochemical water splitting. Journal of Industrial and Engineering Chemistry, 2019, 69, 48-56.	2.9	14
21	Influence of light conditions of a mixture of red and blue light sources on nitrogen and phosphorus removal in advanced wastewater treatment using Scenedesmus dimorphus. Biotechnology and Bioprocess Engineering, 2015, 20, 760-765.	1.4	11
22	Enhancement of volatile fatty acids removal by a co-culture of microalgae and activated sludge. KSCE Journal of Civil Engineering, 2017, 21, 2106-2112.	0.9	7
23	Enhancement of a R-410A Reclamation Process Using Various Heat-Pump-Assisted Distillation Configurations. Energies, 2019, 12, 3776.	1.6	6
24	The Contribution Ratio of Autotrophic and Heterotrophic Metabolism during a Mixotrophic Culture of Chlorella sorokiniana. International Journal of Environmental Research and Public Health, 2021, 18, 1353.	1.2	5
25	Sustainable Bio-Energy Production in Microbial Fuel Cell Using MnO <sub>2</sub> Nanoparticle-Decorated Hollow Carbon Nanofibers as Active Cathode Materials. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 127-135.	0.1	5
26	Development of Suitable Anode Materials for Microbial Fuel Cells. , 2018, , 101-124.		3
27	Purification of R-12 for refrigerant reclamation using existing industrial-scale batch distillation: design, optimization, simulation, and experimental studies. Korean Journal of Chemical Engineering, 2020, 37, 1823-1828.	1.2	2