

# Jae Hahn

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

329  
citations

933447

10  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of an efficient white-light photocatalyst composite of graphene and ZnO nanoparticles: Application to methylene blue dye decomposition. <i>Applied Surface Science</i> , 2015, 354, 55-65.	6.1	72
2	Enhanced Photocatalytic and Antibacterial Performance of ZnO Nanoparticles Prepared by an Efficient Thermolysis Method. <i>Catalysts</i> , 2019, 9, 608.	3.5	47
3	Kinetically controlled selective synthesis of Cu <sub>2</sub> O and CuO nanoparticles toward enhanced degradation of methylene blue using ultraviolet and sun light. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105570.	4.0	47
4	Effects of Solvent on the Formation of Octanethiol Self-Assembled Monolayers on Au(111) at High Temperatures in a Closed Vessel: A Scanning Tunneling Microscopy and X-ray Photoelectron Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22441-22448.	3.1	29
5	Selective growth of Ti <sub>3</sub> +TiO <sub>2</sub> /CNT and Ti <sub>3</sub> +TiO <sub>2</sub> /C nanocomposite for enhanced visible-light utilization to degrade organic pollutants by lowering TiO <sub>2</sub> -bandgap. <i>Scientific Reports</i> , 2021, 11, 9490.	3.3	28
6	Visible-light-driven enhanced photocatalytic performance using cadmium-doping of tungsten (VI) oxide and nanocomposite formation with graphitic carbon nitride disks. <i>Applied Surface Science</i> , 2021, 565, 150541.	6.1	16
7	Hierarchical Nanocauliflower Chemical Assembly Composed of Copper Oxide and Single-Walled Carbon Nanotubes for Enhanced Photocatalytic Dye Degradation. <i>Nanomaterials</i> , 2021, 11, 696.	4.1	15
8	In situ fabrication of a thermally stable and highly porous conductive solar light-driven ZnO@CNT fiber photocatalyst. <i>RSC Advances</i> , 2016, 6, 71450-71460.	3.6	13
9	Highly Efficient and Sustainable ZnO/CuO/g-C <sub>3</sub> N <sub>4</sub> Photocatalyst for Wastewater Treatment under Visible Light through Heterojunction Development. <i>Catalysts</i> , 2022, 12, 151.	3.5	13
10	Visible-light-active novel $\text{Fe}_2\text{O}_3/\text{Ta}_3\text{N}_5$ photocatalyst designed by band-edge tuning and interfacial charge transfer for effective treatment of hazardous pollutants. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106831.	6.7	12
11	Formation of chemical heterojunctions between ZnO nanoparticles and single-walled carbon nanotubes for synergistic enhancement of photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 413, 113260.	3.9	10
12	Influence of the molecular-scale structures of 1-dodecanethiol and 4-methylbenzenethiol self-assembled monolayers on gold nanoparticles adsorption pattern. <i>Journal of Colloid and Interface Science</i> , 2014, 425, 83-90.	9.4	8
13	Effect of amino, hydroxyl, and carboxyl terminal groups of alkyl chains of self-assembled monolayers on the adsorption pattern of gold nanoparticles. <i>Surface and Interface Analysis</i> , 2019, 51, 1102-1112.	1.8	8
14	Crystallization mechanism of liquid tellurium from classical molecular dynamics simulation. <i>Materials Chemistry and Physics</i> , 2020, 240, 122235.	4.0	6
15	Enhancement of visible-light photocatalytic activity of ZnO/ZnS/g-C <sub>3</sub> N <sub>4</sub> by decreasing the bandgap and reducing the crystallite size via facile one-step fabrication. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 431, 114066.	3.9	5