

# Ehsan Vahidzadeh

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

844  
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1305906

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docs citations

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times ranked

1294  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot Hole Utilization in Au-TiO <sub>2</sub> and Au-C <sub>3</sub> N <sub>4</sub> -TiO <sub>2</sub> Core-Shell Heterojunctions for High Performance Photoelectrochemical Water Splitting. ECS Meeting Abstracts, 2022, MA2022-01, 2383-2383.	0.0	1
2	Effect of morphology on the photoelectrochemical performance of nanostructured Cu <sub>2</sub> O photocathodes. Nanotechnology, 2021, 32, 374001.	1.3	7
3	Asymmetric Multipole Plasmon-Mediated Catalysis Shifts the Product Selectivity of CO <sub>2</sub> Photoreduction toward C <sub>2+</sub> Products. ACS Applied Materials & Interfaces, 2021, 13, 7248-7258.	4.0	40
4	Artificial Neural Network-Based Prediction of the Optical Properties of Spherical Core-Shell Plasmonic Metastructures. Nanomaterials, 2021, 11, 633.	1.9	13
5	Harvesting Hot Holes in Plasmon-Coupled Ultrathin Photoanodes for High-Performance Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2021, 13, 42741-42752.	4.0	24
6	TiO <sub>2</sub> -HfN Radial Nano-Heterojunction: A Hot Carrier Photoanode for Sunlight-Driven Water-Splitting. Catalysts, 2021, 11, 1374.	1.6	8
7	CVD grown nitrogen doped graphene is an exceptional visible-light driven photocatalyst for surface catalytic reactions. 2D Materials, 2020, 7, 015002.	2.0	12
8	Optical control of selectivity of high rate CO <sub>2</sub> photoreduction via interband- or hot electron Z-scheme reaction pathways in Au-TiO <sub>2</sub> plasmonic photonic crystal photocatalyst. Applied Catalysis B: Environmental, 2020, 267, 118644.	10.8	92
9	High rate CO <sub>2</sub> photoreduction using flame annealed TiO <sub>2</sub> nanotubes. Applied Catalysis B: Environmental, 2019, 243, 522-536.	10.8	123
10	C <sub>3</sub> N <sub>5</sub> : A Low Bandgap Semiconductor Containing an Azo-Linked Carbon Nitride Framework for Photocatalytic, Photovoltaic and Adsorbent Applications. Journal of the American Chemical Society, 2019, 141, 5415-5436.	6.6	464
11	Melanin-based electronics: From proton conductors to photovoltaics and beyond. Biosensors and Bioelectronics, 2018, 122, 127-139.	5.3	60