

# Tiva Sharifi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5007091/publications.pdf>

Version: 2024-02-01

24  
papers

1,615  
citations

471509

17  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

3677  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Active Sites for Oxygen Reduction Reactions by Transformation of Nitrogen Functionalities in Nitrogen-Doped Carbon Nanotubes. ACS Nano, 2012, 6, 8904-8912.	14.6	544
2	Emerging Carbon-Based Heterogeneous Catalysts for Electrochemical Reduction of Carbon Dioxide into Value-Added Chemicals. Advanced Materials, 2019, 31, e1804257.	21.0	218
3	Formation of nitrogen-doped graphene nanoscrolls by adsorption of magnetic $\text{Fe}_3\text{O}_4$ nanoparticles. Nature Communications, 2013, 4, 2319.	12.8	135
4	Stabilizing Active Edge Sites in Semicrystalline Molybdenum Sulfide by Anchorage on Nitrogen-Doped Carbon Nanotubes for Hydrogen Evolution Reaction. Advanced Functional Materials, 2016, 26, 6766-6776.	14.9	110
5	Oxygen Reduction Reactions on Single- or Few-Atom Discrete Active Sites for Heterogeneous Catalysis. Advanced Energy Materials, 2020, 10, 1902084.	19.5	82
6	Self-assembled palladium nanocrystals on helical carbon nanofibers as enhanced electrocatalysts for electro-oxidation of small molecules. Journal of Materials Chemistry, 2012, 22, 8541.	6.7	79
7	Small palladium islands embedded in palladium-tungsten bimetallic nanoparticles form catalytic hotspots for oxygen reduction. Nature Communications, 2014, 5, 5253.	12.8	77
8	Photocatalytic reduction of $\text{CO}_2$ with $\text{H}_2\text{O}$ over modified $\text{TiO}_2$ nanofibers: Understanding the reduction pathway. Nano Research, 2016, 9, 1956-1968.	10.4	62
9	Nitrogen Doping Mechanism in Small Diameter Single-Walled Carbon Nanotubes: Impact on Electronic Properties and Growth Selectivity. Journal of Physical Chemistry C, 2013, 117, 25805-25816.	3.1	44
10	Comprehensive Study of an Earth-Abundant Bifunctional 3D Electrode for Efficient Water Electrolysis in Alkaline Medium. ACS Applied Materials & Interfaces, 2015, 7, 28148-28155.	8.0	36
11	Atomic Layered Titanium Sulfide Quantum Dots as Electrocatalysts for Enhanced Hydrogen Evolution Reaction. Advanced Materials Interfaces, 2018, 5, 1700895.	3.7	30
12	Toward a Low-Cost Artificial Leaf: Driving Carbon-Based and Bifunctional Catalyst Electrodes with Solution-Processed Perovskite Photovoltaics. Advanced Energy Materials, 2016, 6, 1600738.	19.5	28
13	Robust hierarchical 3D carbon foam electrode for efficient water electrolysis. Scientific Reports, 2017, 7, 6112.	3.3	27
14	Liquid Exfoliation of Icosahedral Quasicrystals. Advanced Functional Materials, 2018, 28, 1801181.	14.9	21
15	Tuning the Electrocatalytic Activity of $\text{Co}_3\text{O}_4$ through Discrete Elemental Doping. ACS Applied Materials & Interfaces, 2019, 11, 39706-39714.	8.0	21
16	Extraction of Two-Dimensional Aluminum Alloys from Decagonal Quasicrystals. ACS Nano, 2020, 14, 7435-7443.	14.6	19
17	Atomistic understanding of the origin of high oxygen reduction electrocatalytic activity of cuboctahedral $\text{Pt}_3\text{Co}$ "Pt core-shell" nanoparticles. Catalysis Science and Technology, 2016, 6, 1393-1401.	4.1	17
18	Thermoelectricity Enhanced Electrocatalysis. Nano Letters, 2017, 17, 7908-7913.	9.1	17

#	ARTICLE	IF	CITATIONS
19	Graphene as an electrochemical transfer layer. Carbon, 2019, 141, 266-273.	10.3	17
20	Fabrication of microporous layer-free hierarchical gas diffusion electrode as a low Pt-loading PEMFC cathode by direct growth of helical carbon nanofibers. RSC Advances, 2018, 8, 41566-41574.	3.6	16
21	Impurity-Controlled Crystal Growth in Low-Dimensional Bismuth Telluride. Chemistry of Materials, 2018, 30, 6108-6115.	6.7	10
22	Nanoscale Mapping and Defect-Assisted Manipulation of Surface Plasmon Resonances in 2D Bi <sub>2</sub> Te <sub>3</sub> /Sb <sub>2</sub> Te <sub>3</sub> In-Plane Heterostructures. Advanced Optical Materials, 2022, 10, .	7.3	4
23	Structural, Optical and Thermal Behavior investigation of 2D Bi <sub>2</sub> Te <sub>3</sub> /Sb <sub>2</sub> Te <sub>3</sub> in-plane Heterostructures via Aberration Corrected STEM and EELS. Microscopy and Microanalysis, 2019, 25, 2012-2013.	0.4	1
24	Photovoltaics: Toward a Low-Cost Artificial Leaf: Driving Carbon-Based and Bifunctional Catalyst Electrodes with Solution-Processed Perovskite Photovoltaics (Adv. Energy Mater. 20/2016). Advanced Energy Materials, 2016, 6, .	19.5	0