

Tiva Sharifi

List of Publications by Year in descending order

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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	Nanoscale Mapping and Defect-Assisted Manipulation of Surface Plasmon Resonances in 2D Bi ₂ Te ₃ /Sb ₂ Te ₃ In-Plane Heterostructures. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	4
2	Oxygen Reduction Reactions on Single- or Few-Atom Discrete Active Sites for Heterogeneous Catalysis. <i>Advanced Energy Materials</i> , 2020, 10, 1902084.	19.5	82
3	Extraction of Two-Dimensional Aluminum Alloys from Decagonal Quasicrystals. <i>ACS Nano</i> , 2020, 14, 7435-7443.	14.6	19
4	Tuning the Electrocatalytic Activity of Co ₃ O ₄ through Discrete Elemental Doping. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39706-39714.	8.0	21
5	Structural, Optical and Thermal Behavior investigation of 2D Bi ₂ Te ₃ /Sb ₂ Te ₃ in-plane Heterostructures via Aberration Corrected STEM and EELS. <i>Microscopy and Microanalysis</i> , 2019, 25, 2012-2013.	0.4	1
6	Emerging Carbon-Based Heterogeneous Catalysts for Electrochemical Reduction of Carbon Dioxide into Value-Added Chemicals. <i>Advanced Materials</i> , 2019, 31, e1804257.	21.0	218
7	Graphene as an electrochemical transfer layer. <i>Carbon</i> , 2019, 141, 266-273.	10.3	17
8	Liquid Exfoliation of Icosahedral Quasicrystals. <i>Advanced Functional Materials</i> , 2018, 28, 1801181.	14.9	21
9	Atomic Layered Titanium Sulfide Quantum Dots as Electrocatalysts for Enhanced Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2018, 5, 1700895.	3.7	30
10	Fabrication of microporous layer-free hierarchical gas diffusion electrode as a low Pt-loading PEMFC cathode by direct growth of helical carbon nanofibers. <i>RSC Advances</i> , 2018, 8, 41566-41574.	3.6	16
11	Impurity-Controlled Crystal Growth in Low-Dimensional Bismuth Telluride. <i>Chemistry of Materials</i> , 2018, 30, 6108-6115.	6.7	10
12	Robust hierarchical 3D carbon foam electrode for efficient water electrolysis. <i>Scientific Reports</i> , 2017, 7, 6112.	3.3	27
13	Thermoelectricity Enhanced Electrocatalysis. <i>Nano Letters</i> , 2017, 17, 7908-7913.	9.1	17
14	Photocatalytic reduction of CO ₂ with H ₂ O over modified TiO ₂ nanofibers: Understanding the reduction pathway. <i>Nano Research</i> , 2016, 9, 1956-1968.	10.4	62
15	Stabilizing Active Edge Sites in Semicrystalline Molybdenum Sulfide by Anchorage on Nitrogen-Doped Carbon Nanotubes for Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2016, 26, 6766-6776.	14.9	110
16	Toward a Low-Cost Artificial Leaf: Driving Carbon-Based and Bifunctional Catalyst Electrodes with Solution-Processed Perovskite Photovoltaics. <i>Advanced Energy Materials</i> , 2016, 6, 1600738.	19.5	28
17	Photovoltaics: Toward a Low-Cost Artificial Leaf: Driving Carbon-Based and Bifunctional Catalyst Electrodes with Solution-Processed Perovskite Photovoltaics (<i>Adv. Energy Mater.</i> 20/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	19.5	0
18	Atomistic understanding of the origin of high oxygen reduction electrocatalytic activity of cuboctahedral Pt ₃ Co "Pt core-shell" nanoparticles. <i>Catalysis Science and Technology</i> , 2016, 6, 1393-1401.	4.1	17

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19	Comprehensive Study of an Earth-Abundant Bifunctional 3D Electrode for Efficient Water Electrolysis in Alkaline Medium. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28148-28155.	8.0	36
20	Small palladium islands embedded in palladium-tungsten bimetallic nanoparticles form catalytic hotspots for oxygen reduction. <i>Nature Communications</i> , 2014, 5, 5253.	12.8	77
21	Formation of nitrogen-doped graphene nanoscrolls by adsorption of magnetic Fe_3O_4 nanoparticles. <i>Nature Communications</i> , 2013, 4, 2319.	12.8	135
22	Nitrogen Doping Mechanism in Small Diameter Single-Walled Carbon Nanotubes: Impact on Electronic Properties and Growth Selectivity. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25805-25816.	3.1	44
23	Formation of Active Sites for Oxygen Reduction Reactions by Transformation of Nitrogen Functionalities in Nitrogen-Doped Carbon Nanotubes. <i>ACS Nano</i> , 2012, 6, 8904-8912.	14.6	544
24	Self-assembled palladium nanocrystals on helical carbon nanofibers as enhanced electrocatalysts for electro-oxidation of small molecules. <i>Journal of Materials Chemistry</i> , 2012, 22, 8541.	6.7	79