

# Mahdiar Taheri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6129978/publications.pdf>

Version: 2024-02-01

31  
papers

1,308  
citations

430874

18  
h-index

501196

28  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1885  
citing authors

#	ARTICLE	IF	CITATIONS
1	Paper-Like Writable Nanoparticle Network Sheets for Maskless MOF Patterning. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	5
2	Dual-Ion Flux Management for Stable High Areal Capacity Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	14
3	Highly efficient and durable solar thermal energy harvesting <i>via</i> scalable hierarchical coatings inspired by stony corals. <i>Energy and Environmental Science</i> , 2022, 15, 1893-1906.	30.8	37
4	Shielding Surfaces from Viruses and Bacteria with a Multiscale Coating. <i>Advanced Science</i> , 2022, 9, .	11.2	4
5	Stability of ZIF-8 nanopowders in bacterial culture media and its implication for antibacterial properties. <i>Chemical Engineering Journal</i> , 2021, 413, 127511.	12.7	137
6	Photo-accelerated Hydrolysis of Metal Organic Framework ZIF-8. , 2021, 3, 255-260.		52
7	Highly Enhanced Light-Matter Interaction in MXene Quantum Dots-Monolayer WS <sub>2</sub> Heterostructure. <i>Small</i> , 2021, 17, e2006309.	10.0	22
8	Optical and radiative characterisation of alumina-silica based ceramic materials for high-temperature solar thermal applications. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 272, 107754.	2.3	11
9	Tuning the selectivity of highly sensitive chemiresistive nanoparticle networks by encapsulation with metal-organic frameworks. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17331-17340.	5.5	17
10	Metal-Organic-Frameworks: Low Temperature Gas Sensing and Air Quality Monitoring. <i>Chemosensors</i> , 2021, 9, 316.	3.6	13
11	Water stability of cobalt doped ZIF-8: a quantitative study using optical analyses. <i>Materials Today Chemistry</i> , 2020, 16, 100231.	3.5	21
12	Hierarchical Metal-Organic Framework Films with Controllable Meso/Macroporosity. <i>Advanced Science</i> , 2020, 7, 2002368.	11.2	32
13	Janus Conductive/Insulating Microporous Ion-Sieving Membranes for Stable Li-S Batteries. <i>ACS Nano</i> , 2020, 14, 13852-13864.	14.6	74
14	Effects of chelating agents on the sol-gel synthesis of nano-zirconia: Comparison of the Pechini and sugar-based methods. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 693-702.	4.9	15
15	Strong, Self-Healable, and Recyclable Visible-Light-Responsive Hydrogel Actuators. <i>Angewandte Chemie</i> , 2020, 132, 7115-7122.	2.0	46
16	Green Full Conversion of ZnO Nanopowders to Well-Dispersed Zeolitic Imidazolate Framework-8 (ZIF-8) Nanopowders via a Stoichiometric Mechanochemical Reaction for Fast Dye Adsorption. <i>Crystal Growth and Design</i> , 2020, 20, 2761-2773.	3.0	54
17	Strong, Self-Healable, and Recyclable Visible-Light-Responsive Hydrogel Actuators. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7049-7056.	13.8	111
18	One-Step Synthesis of Porous Transparent Conductive Oxides by Hierarchical Self-Assembly of Aluminum-Doped ZnO Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 9589-9599.	8.0	41

#	ARTICLE	IF	CITATIONS
19	Non-Periodic Epsilon-Near-Zero Metamaterials at Visible Wavelengths for Efficient Non-Resonant Optical Sensing. Nano Letters, 2020, 20, 3970-3977.	9.1	30
20	Metal-Organic Frameworks/Conducting Polymer Hydrogel Integrated Three-Dimensional Free-Standing Monoliths as Ultrahigh Loading Li-S Battery Electrodes. Nano Letters, 2019, 19, 4391-4399.	9.1	115
21	Nonresonant ENZ metamaterial at visible wavelength for superior refractive index matching sensing. , 2019, , .		0
22	Incorporation of Nanoalumina Improves Mechanical Properties and Osteogenesis of Hydroxyapatite Bioceramics. ACS Biomaterials Science and Engineering, 2018, 4, 1324-1336.	5.2	26
23	Effect of TiN Addition on 3Y-TZP Ceramics with Emphasis on Making EDM-Able Bodies. Journal of Materials Engineering and Performance, 2018, 27, 2404-2413.	2.5	5
24	A novel method for quantitative phase determination of cristobalite in ceramic cores using differential scanning calorimeter. Journal of Thermal Analysis and Calorimetry, 2015, 119, 191-195.	3.6	2
25	Carbon nanotubes part II: a remarkable carrier for drug and gene delivery. Expert Opinion on Drug Delivery, 2015, 12, 1089-1105.	5.0	145
26	Carbon nanotubes part I: preparation of a novel and versatile drug-delivery vehicle. Expert Opinion on Drug Delivery, 2015, 12, 1071-1087.	5.0	88
27	In vitro biocompatibility and ageing of 3Y-TZP/CNTs composites. Ceramics International, 2015, 41, 12773-12781.	4.8	16
28	High/room temperature mechanical properties of 3Y-TZP/CNTs composites. Ceramics International, 2014, 40, 3347-3352.	4.8	25
29	Hydroxyapatite nanocomposites: Synthesis, sintering and mechanical properties. Ceramics International, 2013, 39, 2197-2206.	4.8	112
30	Dispersion of Multi Walled Carbon Nanotubes within 3 mol. % Yttria Stabilized Zirconia Based Ceramics: A Comparative Study of Methods. Advanced Materials Research, 2013, 829, 659-664.	0.3	0
31	Electrophoretic enhanced micro arc oxidation of ZrO <sub>2</sub> -HAp-TiO <sub>2</sub> nanostructured porous layers. Journal of Alloys and Compounds, 2011, 509, 9351-9355.	5.5	38