

# Asghar Shirani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12113288/publications.pdf>

Version: 2024-02-01

12  
papers

240  
citations

1040056

9  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal stability and gas absorption characteristics of ionic liquid-based solid polymer electrolytes. <i>Journal of Chemical Physics</i> , 2021, 154, 054902.	3.0	3
2	Macroscale Superlubricity Accomplished by Sb <sub>2</sub> O <sub>3</sub> -MSH/C Under High Temperature. <i>Frontiers in Chemistry</i> , 2021, 9, 667878.	3.6	15
3	Swelling-Assisted Sequential Infiltration Synthesis of Nanoporous ZnO Films with Highly Accessible Pores and Their Sensing Potential for Ethanol. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35941-35948.	8.0	10
4	Tribocatalytically-activated formation of protective friction and wear reducing carbon coatings from alkane environment. <i>Scientific Reports</i> , 2021, 11, 20643.	3.3	14
5	PEO-Chameleon as a potential protective coating on cast aluminum alloys for high-temperature applications. <i>Surface and Coatings Technology</i> , 2020, 397, 126016.	4.8	27
6	Lubrication characteristics of wax esters from oils produced by a genetically-enhanced oilseed crop. <i>Tribology International</i> , 2020, 146, 106234.	5.9	10
7	Nature-Guided Synthesis of Advanced Bio-Lubricants. <i>Scientific Reports</i> , 2019, 9, 11711.	3.3	33
8	Combined Tribological and Bactericidal Effect of Nanodiamonds as a Potential Lubricant for Artificial Joints. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 43500-43508.	8.0	30
9	Effect of Water Incorporation on the Lubrication Characteristics of Synthetic Oils. <i>Tribology Letters</i> , 2019, 67, 1.	2.6	21
10	Tribologically enhanced self-healing of niobium oxide surfaces. <i>Surface and Coatings Technology</i> , 2019, 364, 273-278.	4.8	15
11	Nanodiamonds for improving lubrication of titanium surfaces in simulated body fluid. <i>Carbon</i> , 2019, 143, 890-896.	10.3	19
12	Discontinuous fatty acid elongation yields hydroxylated seed oil with improved function. <i>Nature Plants</i> , 2018, 4, 711-720.	9.3	43