

# Siavash Soltanahmadi

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

261  
citations

933447

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h-index

1058476

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g-index

14  
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14  
docs citations

14  
times ranked

233  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oral tribology: Providing insight into oral processing of food colloids. <i>Food Hydrocolloids</i> , 2021, 117, 106635.	10.7	60
2	Investigation of the effect of a diamine-based friction modifier on micropitting and the properties of tribofilms in rolling-sliding contacts. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 505302.	2.8	37
3	Tribochemical study of micropitting in tribocorrosive lubricated contacts: The influence of water and relative humidity. <i>Tribology International</i> , 2017, 107, 184-198.	5.9	29
4	Synergistic Microgel-Reinforced Hydrogels as High-Performance Lubricants. <i>ACS Macro Letters</i> , 2020, 9, 1726-1731.	4.8	24
5	Experimental observation of zinc dialkyl dithiophosphate (ZDDP)-induced iron sulphide formation. <i>Applied Surface Science</i> , 2017, 414, 41-51.	6.1	22
6	Surface Reaction Films from Amine-Based Organic Friction Modifiers and Their Influence on Surface Fatigue and Friction. <i>Tribology Letters</i> , 2019, 67, 1.	2.6	22
7	A porohyperelastic lubrication model for articular cartilage in the natural synovial joint. <i>Tribology International</i> , 2020, 149, 105760.	5.9	13
8	Surface Fatigue Behavior of a WC/aC:H Thin-Film and the Tribochemical Impact of Zinc Dialkyldithiophosphate. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41676-41687.	8.0	12
9	Evaluation and characterization of anti-corrosion properties of sol-gel coating in CO <sub>2</sub> environments. <i>Materials Chemistry and Physics</i> , 2018, 216, 272-277.	4.0	11
10	Comparison of oral tribological performance of proteinaceous microgel systems with protein-polysaccharide combinations. <i>Food Hydrocolloids</i> , 2022, 129, 107660.	10.7	11
11	Fabrication of Cartilage-Inspired Hydrogel/Entangled Polymer/Elastomer Structures Possessing Poro-Elastic Properties. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2694-2708.	4.4	8
12	The multiple roles of a chemical tribofilm in hydrogen uptake from lubricated rubbing contacts. <i>Tribology International</i> , 2020, 146, 106023.	5.9	7
13	Compliant-poroelastic lubrication in cartilage-on-cartilage line contacts. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2020, 14, 151-165.	1.4	4
14	Finite element investigations of the fluid-solid behaviour in a bio-inspired poroelastic bearing. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2022, 236, 1531-1544.	1.8	1