

Siavash Soltanahmadi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5702467/publications.pdf>

Version: 2024-02-01

14
papers

261
citations

933447

10
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite element investigations of the fluid-solid behaviour in a bio-inspired poroelastic bearing. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2022, 236, 1531-1544.	1.8	1
2	Comparison of oral tribological performance of proteinaceous microgel systems with protein-polysaccharide combinations. Food Hydrocolloids, 2022, 129, 107660.	10.7	11
3	Fabrication of Cartilage-Inspired Hydrogel/Entangled Polymer "Elastomer Structures Possessing Poro-Elastic Properties. ACS Applied Polymer Materials, 2021, 3, 2694-2708.	4.4	8
4	Oral tribology: Providing insight into oral processing of food colloids. Food Hydrocolloids, 2021, 117, 106635.	10.7	60
5	A porohyperelastic lubrication model for articular cartilage in the natural synovial joint. Tribology International, 2020, 149, 105760.	5.9	13
6	The multiple roles of a chemical tribofilm in hydrogen uptake from lubricated rubbing contacts. Tribology International, 2020, 146, 106023.	5.9	7
7	Synergistic Microgel-Reinforced Hydrogels as High-Performance Lubricants. ACS Macro Letters, 2020, 9, 1726-1731.	4.8	24
8	Compliant-poroelastic lubrication in cartilage-on-cartilage line contacts. Tribology - Materials, Surfaces and Interfaces, 2020, 14, 151-165.	1.4	4
9	Surface Fatigue Behavior of a WC/aC:H Thin-Film and the Tribochemical Impact of Zinc Dialkyldithiophosphate. ACS Applied Materials & Interfaces, 2019, 11, 41676-41687.	8.0	12
10	Surface Reaction Films from Amine-Based Organic Friction Modifiers and Their Influence on Surface Fatigue and Friction. Tribology Letters, 2019, 67, 1.	2.6	22
11	Evaluation and characterization of anti-corrosion properties of sol-gel coating in CO2 environments. Materials Chemistry and Physics, 2018, 216, 272-277.	4.0	11
12	Experimental observation of zinc dialkyl dithiophosphate (ZDDP)-induced iron sulphide formation. Applied Surface Science, 2017, 414, 41-51.	6.1	22
13	Tribochemical study of micropitting in tribocorrosive lubricated contacts: The influence of water and relative humidity. Tribology International, 2017, 107, 184-198.	5.9	29
14	Investigation of the effect of a diamine-based friction modifier on micropitting and the properties of tribofilms in rolling-sliding contacts. Journal Physics D: Applied Physics, 2016, 49, 505302.	2.8	37