

# Pourya Parsaeian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1625673/publications.pdf>

Version: 2024-02-01

20  
papers

327  
citations

933447

10  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

227  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new insight into the interfacial mechanisms of the tribofilm formed by zinc dialkyl dithiophosphate. <i>Applied Surface Science</i> , 2017, 403, 472-486.	6.1	57
2	A Semi-deterministic Wear Model Considering the Effect of Zinc Dialkyl Dithiophosphate Tribofilm. <i>Tribology Letters</i> , 2016, 61, 1.	2.6	41
3	On the Transient Decomposition and Reaction Kinetics of Zinc Dialkyldithiophosphate. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 44803-44814.	8.0	32
4	Single-asperity study of the reaction kinetics of P-based triboreactive films. <i>Tribology International</i> , 2019, 133, 288-296.	5.9	31
5	Study of the interfacial mechanism of ZDDP tribofilm in humid environment and its effect on tribochemical wear; Part I: Experimental. <i>Tribology International</i> , 2017, 107, 135-143.	5.9	29
6	An experimental and analytical study of the effect of water and its tribochemistry on the tribocorrosive wear of boundary lubricated systems with ZDDP-containing oil. <i>Wear</i> , 2016, 358-359, 23-31.	3.1	28
7	<i>In situ</i> synchrotron XAS study of the decomposition kinetics of ZDDP triboreactive interfaces. <i>RSC Advances</i> , 2018, 8, 34168-34181.	3.6	24
8	The mutual interaction between tribochemistry and lubrication: Interfacial mechanics of tribofilm. <i>Tribology International</i> , 2019, 135, 161-169.	5.9	17
9	Study of the Interfacial Mechanism of ZDDP Tribofilm in Humid Environment and its Effect on Tribochemical Wear; Part II: Numerical. <i>Tribology International</i> , 2017, 107, 33-38.	5.9	10
10	An appraisal of the thermal decomposition mechanisms of ILs as potential lubricants. <i>Lubrication Science</i> , 2019, 31, 229-238.	2.1	10
11	Understanding the effect of water on the transient decomposition of zinc dialkyldithiophosphate (ZDDP). <i>Tribology International</i> , 2021, 157, 106855.	5.9	7
12	An Assessment of the Effect of Relative Humidity on the Decomposition of the ZDDP Antiwear Additive. <i>Tribology Letters</i> , 2021, 69, 1.	2.6	7
13	3D tribo-nanoprinting using triboreactive materials. <i>Nanotechnology</i> , 2019, 30, 095302.	2.6	6
14	Nanoscale viscosity of triboreactive interfaces. <i>Nano Energy</i> , 2021, 79, 105447.	16.0	6
15	Understanding the Mechanism of Load-Carrying Capacity between Parallel Rough Surfaces through a Deterministic Mixed Lubrication Model. <i>Lubricants</i> , 2022, 10, 12.	2.9	6
16	Effect of ionic liquidsâ€™ chemistry on their lubrication behaviour under various contact pressures. <i>Tribology International</i> , 2020, 151, 106465.	5.9	5
17	Towards optimum additive performance: A numerical study to understand the influence of roughness parameters on the zinc dialkyldithiophosphates tribofilm growth. <i>Lubrication Science</i> , 2021, 33, 1-14.	2.1	5
18	Tribochemistry evolution of DDP tribofilms over time using in-situ synchrotron XAS. <i>Tribology International</i> , 2021, 160, 107026.	5.9	3

#	ARTICLE	IF	CITATIONS
19	Oil-soluble ionic liquid to lubricate silicon. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2021, 235, 1995-2006.	1.8	2
20	Reactivity of oil-soluble IL with silicon surface at elevated temperature. Lubrication Science, 2019, 31, 151-162.	2.1	1