

Abdullah Azam

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

174
citations

1478505

6
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

140
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Transient Decomposition and Reaction Kinetics of Zinc Dialkyldithiophosphate. ACS Applied Materials & Interfaces, 2018, 10, 44803-44814.	8.0	32
2	Single-asperity study of the reaction kinetics of P-based triboreactive films. Tribology International, 2019, 133, 288-296.	5.9	31
3	Modelling tribochemistry in the mixed lubrication regime. Tribology International, 2019, 132, 265-274.	5.9	23
4	Understanding the role of surface textures in improving the performance of boundary additives, part I: Experimental. Tribology International, 2020, 146, 106243.	5.9	21
5	The mutual interaction between tribochemistry and lubrication: Interfacial mechanics of tribofilm. Tribology International, 2019, 135, 161-169.	5.9	17
6	A comparative study for selecting and using simulation methods of Gaussian random surfaces. Tribology International, 2022, 166, 107347.	5.9	9
7	Understanding the effect of water on the transient decomposition of zinc dialkyldithiophosphate (ZDDP). Tribology International, 2021, 157, 106855.	5.9	7
8	An Assessment of the Effect of Relative Humidity on the Decomposition of the ZDDP Antiwear Additive. Tribology Letters, 2021, 69, 1.	2.6	7
9	Understanding the role of surface textures in improving the performance of boundary additives, part II: Numerical simulations. Tribology International, 2020, 152, 106252.	5.9	6
10	Nanoscale viscosity of triboreactive interfaces. Nano Energy, 2021, 79, 105447.	16.0	6
11	Understanding the Mechanism of Load-Carrying Capacity between Parallel Rough Surfaces through a Deterministic Mixed Lubrication Model. Lubricants, 2022, 10, 12.	2.9	6
12	Towards optimum additive performance: A numerical study to understand the influence of roughness parameters on the zinc dialkyldithiophosphates tribofilm growth. Lubrication Science, 2021, 33, 1-14.	2.1	5
13	Generating fractal rough surfaces with the spectral representation method. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2021, 235, 2640-2653.	1.8	4