

Arun K Singh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7977496/publications.pdf>

Version: 2024-02-01

25
papers

205
citations

1163117

8
h-index

1125743

13
g-index

30
all docs

30
docs citations

30
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	Shear Rate-Dependent Frictional Properties of a Wet Granular Layer. International Journal of Geomechanics, 2022, 22, .	2.7	4
2	A model for frictional stress relaxation at the interface between a soft and a hard solid. Journal of the Mechanics and Physics of Solids, 2021, 146, 104191.	4.8	7
3	An Experimental Study on Adhesion, Friction and Stick-Slip Phenomena. Lecture Notes in Mechanical Engineering, 2020, , 581-587.	0.4	0
4	EXPERIMENTAL STUDY ON STEADY DYNAMIC FRICTION OF MWCNTs MIXED LUBRICANTS. Surface Review and Letters, 2020, 27, 1950172.	1.1	1
5	Dynamic Stability of the Rate, State, Temperature, and Pore Pressure Friction Model at a Rock Interface. Pure and Applied Geophysics, 2019, 176, 4969-4982.	1.9	3
6	Effect of residual strength on frictional properties of a soft and hard solid interface. Materials Research Express, 2019, 6, 085317.	1.6	1
7	Specimen Thickness Dependency of Energy Release Rate of a Gelatin Hydrogel and Glass Substrate Interface. Journal of Tribology, 2019, 141, .	1.9	7
8	The effect of inertia, viscous damping, temperature and normal stress on chaotic behaviour of the rate and state friction model. Journal of Earth System Science, 2018, 127, 1.	1.3	2
9	Frictional Study of the Soft and Hard Solid Interface Using Response Surface Methodology. Journal of Tribology, 2018, 140, .	1.9	10
10	Stress relaxation at a gelatin hydrogel-glass interface in direct shear sliding. Modern Physics Letters B, 2018, 32, 1750345.	1.9	11
11	Energy release rate of gelatin hydrogels on glass surface in direct shear sliding experiments. Journal of Adhesion Science and Technology, 2018, 32, 1899-1910.	2.6	16
12	Determination of work of adhesion of gelatin hydrogels on a glass substrate. Materials Research Express, 2018, 5, 045302.	1.6	6
13	An experimental study on stick-slip of gelatin hydrogels using fracture mechanics. Materials Research Express, 2018, 5, 085301.	1.6	12
14	Friction of hard surfaces and its application in earthquakes and rock slope stability. AIP Conference Proceedings, 2018, , .	0.4	0
15	The Effect of Carbon Nanotubes Based Nanolubricant on Stick-Slip Behavior. Transactions of the Indian Institute of Metals, 2018, 71, 1061-1065.	1.5	7
16	Stability of the rate, state and temperature dependent friction model and its applications. Geophysical Journal International, 2016, 205, 636-647.	2.4	8
17	Scaling laws of gelatin hydrogels for steady dynamic friction. International Journal of Modern Physics B, 2016, 30, 1650198.	2.0	15
18	Natural frequencies of multiple pendulum systems under free condition. Archive of Applied Mechanics, 2016, 86, 1049-1061.	2.2	6

#	ARTICLE	IF	CITATIONS
19	Ergonomic Study and Design of the Pulpit of a Wire Rod Mill at an Integrated Steel Plant. Journal of Industrial Engineering, 2015, 2015, 1-11.	0.6	8
20	Stabilization of triple link inverted pendulum system based on LQR control technique. , 2014, , .		3
21	Mass and Length Dependent Chaotic Behavior of a Double Pendulum. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 297-301.	0.4	5
22	Simulation of Frictional Strength and Steady Relaxation Using the Rate and State Dependent Friction Model. Pure and Applied Geophysics, 2013, 170, 247-257.	1.9	8
23	Prediction of factor of safety of a slope with an advanced friction model. International Journal of Rock Mechanics and Minings Sciences, 2012, 55, 164-167.	5.8	12
24	Adhesion of Microchannel-Based Complementary Surfaces. Langmuir, 2012, 28, 4213-4222.	3.5	20
25	Steady dynamic friction at elastomerâ€“hard solid interface: A model based on population balance of bonds. Soft Matter, 2011, 7, 10601.	2.7	29