

Hunter King

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8760250/publications.pdf>

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13
papers

531
citations

1039880

9
h-index

1199470

12
g-index

13
all docs

13
docs citations

13
times ranked

733
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic sheet on a liquid drop reveals wrinkling and crumpling as distinct symmetry-breaking instabilities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9716-9720.	3.3	158
2	Termite mounds harness diurnal temperature oscillations for ventilation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11589-11593.	3.3	94
3	Curvature-induced stiffness and the spatial variation of wavelength in wrinkled sheets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1144-1149.	3.3	88
4	Solar-powered ventilation of African termite mounds. <i>Journal of Experimental Biology</i> , 2017, 220, 3260-3269.	0.8	46
5	A 3D-Printable Dual Beam Spectrophotometer with Multiplatform Smartphone Adaptor. <i>Journal of Chemical Education</i> , 2019, 96, 1527-1531.	1.1	40
6	Mechanics of randomly packed filamentsâ€”The â€œbird nestâ€”as meta-material. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	32
7	Inelastic impact of a sphere on a massive plane: Nonmonotonic velocity-dependence of the restitution coefficient. <i>Europhysics Letters</i> , 2011, 93, 14002.	0.7	25
8	Evaporative microclimate driven hygrometers and hygromotors. <i>Europhysics Letters</i> , 2014, 107, 64002.	0.7	14
9	Micromechanical Origin of Plasticity and Hysteresis in Nestlike Packings. <i>Physical Review Letters</i> , 2022, 128, .	2.9	12
10	Attractive forces slow contact formation between deformable bodies underwater. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
11	Surface morphology enhances deposition efficiency in biomimetic, wind-driven fog collection. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200038.	1.5	7
12	An open-source dual-beam spectrophotometer for citizen-science-based water quality monitoring. <i>HardwareX</i> , 2021, 10, e00241.	1.1	5
13	Tools, behavior, and materials: What should we learn from animal nest construction?. , 2022, , 183-214.		2