

Guido Violano

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

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citations

1040056

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1058476

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15
all docs

15
docs citations

15
times ranked

62
citing authors

#	ARTICLE	IF	CITATIONS
1	On DMT methods to calculate adhesion in rough contacts. Tribology International, 2019, 130, 36-42.	5.9	26
2	Contact of rough surfaces: Modeling adhesion in advanced multiasperity models. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2019, 233, 1585-1593.	1.8	24
3	On the effective surface energy in viscoelastic Hertzian contacts. Journal of the Mechanics and Physics of Solids, 2022, 158, 104669.	4.8	24
4	On stickiness of multiscale randomly rough surfaces. Journal of Adhesion, 2021, 97, 509-527.	3.0	22
5	Modeling the Adhesive Contact of Rough Soft Media with an Advanced Asperity Model. Tribology Letters, 2019, 67, 1.	2.6	21
6	Rate-dependent adhesion of viscoelastic contacts, Part I: Contact area and contact line velocity within model randomly rough surfaces. Mechanics of Materials, 2021, 160, 103926.	3.2	21
7	Rate-dependent adhesion of viscoelastic contacts. Part II: Numerical model and hysteresis dissipation. Mechanics of Materials, 2021, 158, 103884.	3.2	15
8	A note on the effect of surface topography on adhesion of hard elastic rough bodies with low surface energy. Journal of the Mechanical Behavior of Materials, 2019, 28, 8-12.	1.8	14
9	Size effects in adhesive contacts of viscoelastic media. European Journal of Mechanics, A/Solids, 2022, 96, 104665.	3.7	11
10	Adhesion of compliant spheres: an experimental investigation. Procedia Structural Integrity, 2019, 24, 251-258.	0.8	8
11	On the Long and Short-Range Adhesive Interactions in Viscoelastic Contacts. Tribology Letters, 2022, 70, .	2.6	8
12	The adhesion of viscoelastic bodies with slightly wave surfaces. Tribology International, 2022, 174, 107726.	5.9	7
13	Roughness-Induced Adhesive Hysteresis in Self-Affine Fractal Surfaces. Lubricants, 2021, 9, 7.	2.9	6
14	Stickiness of randomly rough surfaces with high fractal dimension: is there a fractal limit?. Tribology International, 2021, 159, 106971.	5.9	6