

# Emanuele Panizon

## List of Publications by Year in descending order

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23  
papers

772  
citations

623734

14  
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610901

24  
g-index

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docs citations

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times ranked

1196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moiré-Pattern Evolution Couples Rotational and Translational Friction at Crystalline Interfaces. <i>Physical Review X</i> , 2022, 12, .	8.9	5
2	Pervasive orientational and directional locking at geometrically heterogeneous sliding interfaces. <i>Physical Review E</i> , 2021, 103, 012606.	2.1	3
3	Pile-up transmission and reflection of topological defects at grain boundaries in colloidal crystals. <i>Nature Communications</i> , 2020, 11, 3079.	12.8	6
4	Reinforcement-learning-assisted quantum optimization. <i>Physical Review Research</i> , 2020, 2, .	3.6	38
5	Orientational and directional locking of colloidal clusters driven across periodic surfaces. <i>Nature Physics</i> , 2019, 15, 776-780.	16.7	29
6	Thermally assisted lubricity and negative work tails in sliding friction. <i>Physical Review B</i> , 2019, 99, .	3.2	10
7	Phase Separation in AgCu and AgNi Core-Shell Icosahedral Nanoparticles: A Harmonic Thermodynamics Study. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700425.	2.3	10
8	Analytic understanding and control of dynamical friction. <i>Physical Review B</i> , 2018, 97, .	3.2	18
9	Friction anomalies at first-order transition spinodals: 1T-TaS <sub>2</sub> . <i>New Journal of Physics</i> , 2018, 20, 023033.	2.9	4
10	Interaction of hydrophobic polymers with model lipid bilayers. <i>Scientific Reports</i> , 2017, 7, 6357.	3.3	56
11	Ballistic thermophoresis of adsorbates on free-standing graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7035-E7044.	7.1	16
12	Nanoscale Effects on Phase Separation. <i>Nano Letters</i> , 2017, 17, 5394-5401.	9.1	69
13	Velocity dependence of sliding friction on a crystalline surface. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2186-2199.	2.8	14
14	Strain-induced restructuring of the surface in core@shell nanoalloys. <i>Nanoscale</i> , 2016, 8, 15911-15919.	5.6	71
15	Structures and segregation patterns of Ag-Cu and Ag-Ni nanoalloys adsorbed on MgO(001). <i>Journal of Physics Condensed Matter</i> , 2016, 28, 064005.	1.8	23
16	Solid-solid transitions in Pd-Pt nanoalloys. <i>Physical Review B</i> , 2015, 92, .	3.2	24
17	Calculating the free energy of transfer of small solutes into a model lipid membrane: Comparison between metadynamics and umbrella sampling. <i>Journal of Chemical Physics</i> , 2015, 143, 144108.	3.0	57
18	MARTINI Coarse-Grained Models of Polyethylene and Polypropylene. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8209-8216.	2.6	82

#	ARTICLE	IF	CITATIONS
19	Study of structures and thermodynamics of CuNi nanoalloys using a new DFT-fitted atomistic potential. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28068-28075.	2.8	28
20	Preferential faceting of coherent interfaces in binary nanocrystals. <i>Physical Review B</i> , 2014, 90, .	3.2	11
21	Chemical ordering in magic-size Ag-Pd nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26478-26484.	2.8	28
22	Tuning the Structure of Nanoparticles by Small Concentrations of Impurities. <i>Chemistry of Materials</i> , 2014, 26, 3354-3356.	6.7	44
23	Competition between Icosahedral Motifs in AgCu, AgNi, and AgCo Nanoalloys: A Combined Atomistic-DFT Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26405-26413.	3.1	124