

# Mehdi Habibi

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

765  
citations

567144

15  
h-index

526166

27  
g-index

41  
all docs

41  
docs citations

41  
times ranked

851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid Rope Coiling. Annual Review of Fluid Mechanics, 2012, 44, 249-266.	10.8	122
2	Evaporation of water: evaporation rate and collective effects. Journal of Fluid Mechanics, 2016, 798, 774-786.	1.4	117
3	The yield normal stress. Journal of Rheology, 2019, 63, 285-290.	1.3	49
4	Dynamics of liquid rope coiling. Physical Review E, 2006, 74, 066306.	0.8	38
5	Normal stress measurement in foams and emulsions in the presence of slip. Journal of Non-Newtonian Fluid Mechanics, 2016, 238, 33-43.	1.0	28
6	Cohesion-driven mixing and segregation of dry granular media. Scientific Reports, 2019, 9, 13480.	1.6	28
7	Interfacial rheology and relaxation behavior of adsorption layers of the triterpenoid saponin Escin. Journal of Colloid and Interface Science, 2020, 563, 281-290.	5.0	26
8	Pattern formation in a thread falling onto a moving belt: An "elastocapillary sewing machine". Physical Review E, 2011, 84, 016219.	0.8	24
9	Effect of wetting on capillary pumping in microchannels. Scientific Reports, 2013, 3, 1412.	1.6	24
10	Curvature Induced by Deflection in Thick Meta-Plates. Advanced Materials, 2021, 33, e2008082.	11.1	22
11	Liquid supercoiling. Physics of Fluids, 2014, 26, 024101.	1.6	21
12	Normal stresses in shear thickening granular suspensions. Soft Matter, 2017, 13, 3734-3740.	1.2	21
13	Effect of the material properties on the crumpling of a thin sheet. Soft Matter, 2017, 13, 4029-4034.	1.2	19
14	Compaction of quasi-one-dimensional elastoplastic materials. Nature Communications, 2017, 8, 15568.	5.8	17
15	Granular transport in a horizontally vibrated sawtooth channel. Physical Review E, 2013, 88, 042201.	0.8	16
16	Coiling of yield stress fluids. Physical Review E, 2011, 83, 056327.	0.8	14
17	Digital holographic microscopy of the myelin figure structural dynamics and the effect of thermal gradient. Biomedical Optics Express, 2013, 4, 950.	1.5	14
18	LCST polymers with UCST behavior. Soft Matter, 2021, 17, 2132-2141.	1.2	14

#	ARTICLE	IF	CITATIONS
19	Rapid Spreading of a Droplet on a Thin Soap Film. <i>Langmuir</i> , 2019, 35, 14855-14860.	1.6	13
20	Tailoring relaxation dynamics and mechanical memory of crumpled materials by friction and ductility. <i>Soft Matter</i> , 2019, 15, 1633-1639.	1.2	12
21	Speckle pattern analysis of crumpled papers. <i>Applied Optics</i> , 2019, 58, 6549.	0.9	12
22	Ordered packing of elastic wires in a sphere. <i>Physical Review E</i> , 2012, 85, 061108.	0.8	11
23	Pattern formation by dewetting and evaporating sedimenting suspensions. <i>Soft Matter</i> , 2012, 8, 4682.	1.2	10
24	Dependence of nonlinear elasticity on filler size in composite polymer systems. <i>Rheologica Acta</i> , 2017, 56, 583-589.	1.1	10
25	Optimized rotation of an optically trapped particle for micro mixing. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	10
26	Inverted and Programmable Poynting Effects in Metamaterials. <i>Advanced Science</i> , 2021, 8, e2102279.	5.6	10
27	Collective behavior of evaporating droplets on superhydrophobic surfaces. <i>AIChE Journal</i> , 2020, 66, e16284.	1.8	9
28	Liquid bulk rotation induced by electric field at free surface. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	8
29	Molecular rotors to probe the local viscosity of a polymer glass. <i>Journal of Chemical Physics</i> , 2022, 156, 174901.	1.2	8
30	Rotation induced by uniform and non-uniform magnetic fields in a conducting fluid carrying an electric current. <i>RSC Advances</i> , 2016, 6, 112641-112645.	1.7	6
31	Granular chain escape from a pore in a wall in the presence of particles on one side: a comparison to polymer translocation. <i>Soft Matter</i> , 2018, 14, 5420-5427.	1.2	6
32	Sampling moiré technique and the dynamics of a spreading droplet on a solid surface. <i>Measurement Science and Technology</i> , 2014, 25, 035305.	1.4	5
33	Protein microparticles visualize the contact network and rigidity onset in the gelation of model proteins. <i>Npj Science of Food</i> , 2021, 5, 32.	2.5	5
34	Bubble generation in liquid rope coiling. <i>RSC Advances</i> , 2016, 6, 105469-105475.	1.7	4
35	Segregation of a binary granular mixture in a vibrating sawtooth base container. <i>European Physical Journal E</i> , 2017, 40, 79.	0.7	3
36	Translocation of a granular chain in a horizontally vibrated saw-tooth channel. <i>European Physical Journal E</i> , 2016, 39, 93.	0.7	2

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37	Instabilités de flambage dans les fluides visqueux - Du laboratoire au manteau terrestre. , 2008, , 9-12.	0.1	2
38	Controlling salt crystallization in evaporating thin films of colloidal liquids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128094.	2.3	2
39	Effect of Permittivity on the Electric-Field-Driven Rotation Dynamics in a Liquid Film. Applied Mechanics, 2022, 3, 78-87.	0.7	1
40	Interfacial instabilities in Marangoni-driven spreading of polymer solutions on soap films. Journal of Colloid and Interface Science, 2022, 612, 261-266.	5.0	1
41	Surfactant-surfactant interactions govern unusual Marangoni spreading on a soap film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, , 129747.	2.3	1