Qianhong Wu

List of Publications by Year in descending order

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30	297	933410 10	940516 16
papers	citations	h-index	g-index

34	34	34	215
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the examination of the viscous response of the brachial artery during flow-mediated dilation. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 131, 105255.	3.1	0
2	On the Characterization of Lifting Forces During the Rapid Compaction of Deformable Porous Media. Journal of Heat Transfer, 2021, 131, .	2.1	11
3	Hybrid diffusion imaging reveals altered white matter tract integrity and associations with symptoms and cognitive dysfunction in chronic traumatic brain injury. NeuroImage: Clinical, 2021, 30, 102681.	2.7	5
4	A physics-based statistical model for nanoparticle deposition. Journal of Applied Physics, 2021, 129, 065303.	2.5	2
5	Cavitation causes brain injury. Physics of Fluids, 2021, 33, .	4.0	11
6	Modeling of the transient cerebrospinal fluid flow under external impacts. European Journal of Mechanics, B/Fluids, 2021, 87, 171-179.	2.5	4
7	On the modeling of mechanotransduction in flow-mediated dilation. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 120, 104606.	3.1	2
8	Theoretical study of oscillating squeezing flow through a porous medium. Tribology International, 2021, 162, 107110.	5.9	3
9	How to deform an egg yolk? On the study of soft matter deformation in a liquid environment. Physics of Fluids, 2021, 33, .	4.0	5
10	On the characterization of interstitial fluid flow in the skeletal muscle endomysium. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 102, 103504.	3.1	13
11	Fluid-Guided CVD Growth for Large-Scale Monolayer Two-Dimensional Materials. ACS Applied Materials & Interfaces, 2020, 12, 26342-26349.	8.0	14
12	Characterization of arterial flow mediated dilation via a physics-based model. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 107, 103756.	3.1	5
13	On the Gravity-Driven Sliding Motion of a Planar Board on a Tilted Soft Porous Layer. Tribology Letters, 2019, 67, 1.	2.6	0
14	Multi-scale soft porous lubrication. Tribology International, 2019, 137, 246-253.	5.9	9
15	Theoretical and experimental study of transient squeezing flow in a highly porous film. Tribology International, 2019, 135, 259-268.	5.9	8
16	On the study of fluid flow in a soft porous media using a scaled-up indenter. European Journal of Mechanics, B/Fluids, 2019, 76, 332-339.	2.5	3
17	Experimental Study of Transient Squeezing Film Flow. Journal of Fluids Engineering, Transactions of the ASME, 2019, 141, .	1.5	9
18	Experimental study of soft porous lubrication. Physical Review Fluids, 2019, 4, .	2.5	3

#	Article	IF	Citations
19	Characterization of blood velocity in arteries using a combined analytical and Doppler imaging approach. Physical Review Fluids, 2019, 4, .	2.5	3
20	An experimental study of the lubrication theory for highly compressible porous media, with and without lateral leakage. Tribology International, 2018, 127, 324-332.	5.9	5
21	A biphasic approach for the study of lift generation in soft porous media. Physics of Fluids, 2017, 29, .	4.0	12
22	Exact and approximate solutions for transient squeezing flow. Physics of Fluids, 2017, 29, .	4.0	16
23	On the examination of the Darcy permeability of soft fibrous porous media; new correlations. Chemical Engineering Science, 2017, 173, 525-536.	3.8	29
24	Experimental study on the lift generation inside a random synthetic porous layer under rapid compaction. Experimental Thermal and Fluid Science, 2012, 36, 205-216.	2.7	17
25	A Comprehensive Skiing Mechanics Theory with Implications to Snowboard Optimization. Medicine and Science in Sports and Exercise, 2011, 43, 1955-1963.	0.4	11
26	Compression-dependent permeability measurement for random soft porous media and its implications to lift generation. Chemical Engineering Science, 2011, 66, 294-302.	3.8	19
27	DYNAMIC COMPRESSION OF SOFT POROUS MEDIA: FROM FINITE TO INFINITE DOMAIN. Journal of Porous Media, 2011, 14, 51-64.	1.9	9
28	A Modified Lift Mechanics Theory for Downhill Skiing and Snowboarding (P239). , 2008, , 457-465.		1
29	Lift Mechanics of Downhill Skiing and Snowboarding. Medicine and Science in Sports and Exercise, 2006, 38, 1132-1146.	0.4	24
30	From Red Cells to Snowboarding: A New Concept for a Train Track. Physical Review Letters, 2004, 93, 194501.	7.8	38