Han Yan

List of Publications by Year
in descending order

16 papers	678 citations	1040056 9 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	858 citing authors

#	Article	IF	Citations
1	Electrostatic pull-in instability in MEMS/NEMS: A review. Sensors and Actuators A: Physical, 2014, 214, 187-218.	4.1	432
2	Label-free manipulation via the magneto-Archimedes effect: fundamentals, methodology and applications. Materials Horizons, 2019, 6, 1359-1379.	12.2	59
3	A Sensitivity Tunable Accelerometer Based on Series-Parallel Electromechanically Coupled Resonators Using Mode Localization. Journal of Microelectromechanical Systems, 2020, 29, 3-13.	2.5	39
4	Dynamics of suspended microchannel resonators conveying opposite internal fluid flow: Stability, frequency shift and energy dissipation. Journal of Sound and Vibration, 2016, 368, 103-120.	3.9	29
5	Delaminationâ€Free Functional Graphene Surface by Multiscale, Conformal Wrinkling. Advanced Functional Materials, 2020, 30, 2003273.	14.9	29
6	Tensionâ€Induced Raman Enhancement of Graphene Membranes in the Stretched State. Small, 2019, 15, e1804337.	10.0	18
7	Magnetic levitation using diamagnetism: Mechanism, applications and prospects. Science China Technological Sciences, 2021, 64, 44-58.	4.0	15
8	Theoretical and experimental study on dynamic characteristics of V-shaped beams immersed in viscous fluids: From small to finite amplitude. Journal of Fluids and Structures, 2018, 82, 215-244.	3.4	13
9	Effect of random surface topography on the gaseous flow in microtubes with an extended slip model. Microfluidics and Nanofluidics, 2015, 18, 897-910.	2.2	11
10	Finite Volume Modeling of Gas Flow in Microbearings with Rough Surface Topography. Tribology Transactions, 2016, 59, 99-107.	2.0	8
11	Pull-In Effect of Suspended Microchannel Resonator Sensor Subjected to Electrostatic Actuation. Sensors, 2017, 17, 114.	3.8	8
12	A Robust Performance Degradation Modeling Approach Based on Studentâ€™s t-HMM and Nuisance Attribute Projection. IEEE Access, 2020, 8, 49629-49644.	4.2	6
13	Dynamical characteristics of fluid-conveying microbeams actuated by electrostatic force. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	4
14	Nonlinear dynamic analysis of a photonic crystal nanocavity resonator. Applied Mathematics and Mechanics (English Edition), 2019, 40, 139-152.	3.6	4
15	Stability and dynamic characteristics of rough nanotubes conveying nanoflow. Microfluidics and Nanofluidics, 2022, 26, 1.	2.2	2
16	Effects of surface roughness on the stability and dynamics of microtubes conveying internal fluid. Microfluidics and Nanofluidics, 2021, 25, 1.	2.2	1