

# Han Yan

## List of Publications by Year in descending order

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16  
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times ranked

858  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability and dynamic characteristics of rough nanotubes conveying nanoflow. <i>Microfluidics and Nanofluidics</i> , 2022, 26, 1.	2.2	2
2	Magnetic levitation using diamagnetism: Mechanism, applications and prospects. <i>Science China Technological Sciences</i> , 2021, 64, 44-58.	4.0	15
3	Effects of surface roughness on the stability and dynamics of microtubes conveying internal fluid. <i>Microfluidics and Nanofluidics</i> , 2021, 25, 1.	2.2	1
4	A Sensitivity Tunable Accelerometer Based on Series-Parallel Electromechanically Coupled Resonators Using Mode Localization. <i>Journal of Microelectromechanical Systems</i> , 2020, 29, 3-13.	2.5	39
5	Delamination-Free Functional Graphene Surface by Multiscale, Conformal Wrinkling. <i>Advanced Functional Materials</i> , 2020, 30, 2003273.	14.9	29
6	A Robust Performance Degradation Modeling Approach Based on Student's t-HMM and Nuisance Attribute Projection. <i>IEEE Access</i> , 2020, 8, 49629-49644.	4.2	6
7	Label-free manipulation via the magneto-Archimedes effect: fundamentals, methodology and applications. <i>Materials Horizons</i> , 2019, 6, 1359-1379.	12.2	59
8	Nonlinear dynamic analysis of a photonic crystal nanocavity resonator. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2019, 40, 139-152.	3.6	4
9	Tension-Induced Raman Enhancement of Graphene Membranes in the Stretched State. <i>Small</i> , 2019, 15, e1804337.	10.0	18
10	Theoretical and experimental study on dynamic characteristics of V-shaped beams immersed in viscous fluids: From small to finite amplitude. <i>Journal of Fluids and Structures</i> , 2018, 82, 215-244.	3.4	13
11	Pull-In Effect of Suspended Microchannel Resonator Sensor Subjected to Electrostatic Actuation. <i>Sensors</i> , 2017, 17, 114.	3.8	8
12	Dynamical characteristics of fluid-conveying microbeams actuated by electrostatic force. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	4
13	Dynamics of suspended microchannel resonators conveying opposite internal fluid flow: Stability, frequency shift and energy dissipation. <i>Journal of Sound and Vibration</i> , 2016, 368, 103-120.	3.9	29
14	Finite Volume Modeling of Gas Flow in Microbearings with Rough Surface Topography. <i>Tribology Transactions</i> , 2016, 59, 99-107.	2.0	8
15	Effect of random surface topography on the gaseous flow in microtubes with an extended slip model. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 897-910.	2.2	11
16	Electrostatic pull-in instability in MEMS/NEMS: A review. <i>Sensors and Actuators A: Physical</i> , 2014, 214, 187-218.	4.1	432