Hassan Askari

List of Publications by Year
in descending order

25 papers	1,353 citations	394421 19 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1195 citing authors

#	Article	IF	Citations
1	Tire Force Estimation in Intelligent Tires Using Machine Learning. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3565-3574.	8.0	33
2	Lateral Force Prediction Using Gaussian Process Regression for Intelligent Tire Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5332-5343.	9.3	14
3	Intelligent systems using triboelectric, piezoelectric, and pyroelectric nanogenerators. Materials Today, 2022, 52, 188-206.	14.2	38
4	Free Vibrations of Flexoelectric FGM Conical Nanoshells with Piezoelectric Layers: Modeling and Analysis. Energies, 2022, 15, 2973.	3.1	2
5	Direct tire slip ratio estimation using intelligent tire system and machine learning algorithms. Mechanical Systems and Signal Processing, 2022, 175, 109085.	8.0	13
6	Tire Slip Angle Estimation Based on the Intelligent Tire Technology. IEEE Transactions on Vehicular Technology, 2021, 70, 2239-2249.	6.3	21
7	Nanogenerators for smart cities in the era of 5G and Internet of Things. Joule, 2021, 5, 1391-1431.	24.0	261
8	Tire Condition Monitoring and Intelligent Tires Using Nanogenerators Based on Piezoelectric, Electromagnetic, and Triboelectric Effects. Advanced Materials Technologies, 2019, 4, 1800105.	5.8	57
9	Embedded self-powered sensing systems for smart vehicles and intelligent transportation. Nano Energy, 2019, 66, 104103.	16.0	73
10	Elastic and viscoelastic foundations: a review on linear and nonlinear vibration modeling and applications. Nonlinear Dynamics, 2019, 97, 853-895.	5.2	101
11	A heaving point absorber-based triboelectric-electromagnetic wave energy harvester: An efficient approach toward blue energy. International Journal of Energy Research, 2018, 42, 2431-2447.	4.5	41
12	A flexible hybridized electromagnetic-triboelectric multi-purpose self-powered sensor. Nano Energy, 2018, 45, 319-329.	16.0	52
13	Parameter Identification and Adaptive Control Of Carbon Nanotube Resonators. Asian Journal of Control, 2018, 20, 1329-1338.	3.0	9
14	Towards self-powered sensing using nanogenerators for automotive systems. Nano Energy, 2018, 53, 1003-1019.	16.0	68
15	Piezoelectric and triboelectric nanogenerators: Trends and impacts. Nano Today, 2018, 22, 10-13.	11.9	121
16	A flexible tube-based triboelectricâ€"electromagnetic sensor for knee rehabilitation assessment. Sensors and Actuators A: Physical, 2018, 279, 694-704.	4.1	22
17	High resolution mass identification using nonlinear vibrations of nanoplates. Measurement: Journal of the International Measurement Confederation, 2017, 101, 166-174.	5.0	20
18	High frequency nano electromagnetic self-powered sensor: Concept, modelling and analysis. Measurement: Journal of the International Measurement Confederation, 2017, 107, 31-40.	5.0	32

#	Article	IF	Citations
19	Nonlocal effect in carbon nanotube resonators: A comprehensive review. Advances in Mechanical Engineering, 2017, 9, 168781401668692.	1.6	24
20	Forced vibration of fluid conveying carbon nanotubes considering thermal effect and nonlinear foundations. Composites Part B: Engineering, 2017, 113, 31-43.	12.0	70
21	A hybridized electromagnetic-triboelectric self-powered sensor for traffic monitoring: concept, modelling, and optimization. Nano Energy, 2017, 32, 105-116.	16.0	87
22	A Triboelectric Selfâ€Powered Sensor for Tire Condition Monitoring: Concept, Design, Fabrication, and Experiments. Advanced Engineering Materials, 2017, 19, 1700318.	3.5	36
23	Modeling and performance analysis of duck-shaped triboelectric and electromagnetic generators for water wave energy harvesting. International Journal of Energy Research, 2017, 41, 2392-2404.	4.5	45
24	Analytical Solutions for Oscillation of Rectangular Plate on a Nonlinear Winkler Foundation. , 2011, , .		2
25	Frequency analysis of strongly nonlinear generalized Duffing oscillators using Heâ€™s frequencyâ€"amplitude formulation and Heâ€™s energy balance method. Computers and Mathematics With Applications, 2010, 59, 3222-3228.	2.7	111