

Muhammad Waseem Ashraf

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

407
citations

1162367

8
h-index

794141

19
g-index

48
all docs

48
docs citations

48
times ranked

458
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Solid Microneedles for Biomedical Applications. Journal of Pharmaceutical Innovation, 2022, 17, 1464-1483.	1.1	23
2	Fuzzy Analysis, Fabrication and Characterization of Nano-porous Anodic Aluminum Oxide Membrane for Bio-MEMS. Smart Innovation, Systems and Technologies, 2022, , 341-353.	0.5	0
3	Evaluation and Prioritization of Information Security Controls of ISO/IEC 27002:2013 for SMEs Through Fuzzy TOPSIS. Smart Innovation, Systems and Technologies, 2022, , 271-289.	0.5	0
4	Simulation, analysis, fabrication and characterization of tunable AAO membrane for microfluidic filtration. Journal of Intelligent and Fuzzy Systems, 2022, , 1-10.	0.8	2
5	Numerical Simulation, Analysis, and Fabrication of MEMS-Based Solid Ag and Cu Microneedles for Biomedical Applications. Mathematical Problems in Engineering, 2022, 2022, 1-19.	0.6	2
6	Comparative Study to Analyze MEMS Based Microrobot Using Fuzzy TOPSIS Approach. Mathematical Problems in Engineering, 2022, 2022, 1-9.	0.6	0
7	Simulation, synthesis and band-gap engineering of 2nd group doped ZnO nanostructures. Materials Research Express, 2021, 8, 085004.	0.8	2
8	Fabrication and Analysis of Polydimethylsiloxane (PDMS) Microchannels for Biomedical Application. Processes, 2021, 9, 57.	1.3	7
9	Yttrium incorporated BiFeO3 nanostructures growth on two step anodized Al2O3 porous template for energy storage applications. Ceramics International, 2020, 46, 7681-7686.	2.3	7
10	Simulation, Analysis, and Characterization of Calcium-Doped ZnO Nanostructures for Dye-Sensitized Solar Cells. Energies, 2020, 13, 4863.	1.6	12
11	Fuzzy-Based Approach Using IoT Devices for Smart Home to Assist Blind People for Navigation. Sensors, 2020, 20, 3674.	2.1	21
12	Modeling and Piezoelectric Analysis of Nano Energy Harvesters. Sensors, 2020, 20, 3931.	2.1	8
13	Dimensionality Reduction for Internet of Things Using the Cuckoo Search Algorithm: Reduced Implications of Mesh Sensor Technologies. Wireless Communications and Mobile Computing, 2020, 2020, 1-21.	0.8	7
14	Skin insertion analysis of microneedle using ANSYS and fuzzy logic. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5885-5895.	0.8	6
15	Network Security and Internet of Things. Advances in Computer and Electrical Engineering Book Series, 2020, , 198-238.	0.2	0
16	Computer Simulation Based Optimization of Aspect Ratio for Micro and Nanochannels. Mehran University Research Journal of Engineering and Technology, 2020, 39, 779-791.	0.3	0
17	Simulation, Fuzzy Analysis and Development of ZnO Nanostructure-based Piezoelectric MEMS Energy Harvester. Energies, 2019, 12, 807.	1.6	19
18	BiFeO3 and La doped BiFeO3 nano-particles decorated anodic Al2O3 porous template fabricated with two step anodization. Materials Letters, 2019, 244, 115-118.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Comparison of physiological responses of Arabian striped hyaena (<i>Hyaena hyaena sultana</i>) to effective immobilisations with ketamine-medetomidine and ketamine-xylazine in (semi-) captive conditions. PeerJ, 2019, 7, e7326.	0.9	2
20	Study of Charging the Smart Phone by Human Movements by Using MATLAB Fuzzy Technique. , 2018, , .		2
21	Sinusoidal Microchannel with Descending Curves for Varicose Veins Implantation. Micromachines, 2018, 9, 59.	1.4	9
22	Factors influencing the Cloud Computing adoption in Higher Education Institutions of Punjab, Pakistan. , 2017, , .		21
23	Fluidic simulation and analysis of spiral, U-shape and curvilinear nano channels for biomedical application. , 2017, , .		2
24	Simulation, Fabrication and Analysis of Silver Based Ascending Sinusoidal Microchannel (ASMC) for Implant of Varicose Veins. Micromachines, 2017, 8, 278.	1.4	8
25	Effect of Buckling Restrained Braces Locations on Seismic Responses of High-Rise RC Core Wall Buildings. Shock and Vibration, 2016, 2016, 1-15.	0.3	5
26	Comparative simulation of silicon, PDMS, PGA and PMMA actuator for piezoelectric micropump. , 2016, , .		2
27	Simulation of fuzzy based flow controller in ascending sinusoidal microchannels. , 2016, , .		3
28	FUZZY LOGIC BASED ENERGY HARVESTING WITH THE MOVEMENT OF PLANTS BRANCHES AND LEAVES. Pakistan Journal of Agricultural Sciences, 2016, 53, 449-454.	0.1	0
29	Interactions Between Acidic (Al ³⁺ , Fe ²⁺) and Basic (Ca ²⁺ , Mg ²⁺) Cations in Oxisol and Ultisol under Acidification Induced by Simulated Acid Rain. Asian Journal of Chemistry, 2014, 26, 4794-4800.	0.1	2
30	Threat evaluation of suspicious target for cognitive radar. , 2014, , .		2
31	Design, Simulation, and Fabrication of Microneedles and a Blood Filter for Use in a Hemofiltration System. IEEE Transactions on Automation Science and Engineering, 2013, 10, 252-266.	3.4	7
32	Electrical power conservation in low power loads in textile industries. , 2013, , .		1
33	Robust Nanogenerator Based on Vertically Aligned ZnO Nanorods Using Copper Substrate. Journal of Nanomaterials, 2013, 2013, 1-8.	1.5	5
34	Design, Simulation and Development of Gold Microneedles Patch. , 2013, , .		0
35	Simulation of low voltage RF MEMS switch for reconfigurable antennas. , 2012, , .		0
36	Numerical Simulation of Descending Curves Sinusoidal Microchannel for Cell Separation System. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	Micro Electromechanical Systems (MEMS) Based Microfluidic Devices for Biomedical Applications. International Journal of Molecular Sciences, 2011, 12, 3648-3704.	1.8	195
38	Simulation of MEMS based micro-gyroscope using CoventorWare. , 2011, , .		2
39	A novel surveillance system for rescue and military operations. , 2011, , .		0
40	Detecting unintended gesture in real-time video for mental state prediction. Proceedings of SPIE, 2011, , .	0.8	0
41	Optimization of Fabrication Process for MEMS Based Microneedles Using ICP Etching Technology. Advanced Materials Research, 2011, 403-408, 4611-4616.	0.3	2
42	Simulation of dual radii polymeric microneedle array for blood extraction. , 2010, , .		1
43	MEMS based system for drug delivery. , 2010, , .		3
44	Design and simulation of double lumen polymeric microneedles for blood transport. , 2010, , .		4
45	Two layered novel anodic aluminum oxide nanoporous membrane. , 2010, , .		0
46	Coupledfield microfluidic analysis of integrated MEMS based device for transdermal drug delivery applications. , 2009, , .		3
47	Design and Simulation of MEMS Based Tuning Fork Micro-Cyroscope. Applied Mechanics and Materials, 0, 110-116, 5036-5043.	0.2	0