Shahzadi Tayyaba

List of Publications by Year
in descending order

40 papers	478 citations	1040056 9 h-index	713466 21 g-index
41 all docs	41 docs citations	41 times ranked	538 citing authors

#	Article	IF	Citations
1	A Review on Solid Microneedles for Biomedical Applications. Journal of Pharmaceutical Innovation, 2022, 17, 1464-1483.	2.4	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.	0.6	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.	0.6	0
4	Simulation, analysis and characterization of solid microneedles for biomedical applications. Journal of Intelligent and Fuzzy Systems, 2022, , 1-11.	1.4	1
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.	1.1	2
6	Comparative Study to Analyze MEMS Based Microrobot Using Fuzzy TOPSIS Approach. Mathematical Problems in Engineering, 2022, 2022, 1-9.	1.1	0
7	Simulation, synthesis and band-gap engineering of 2nd group doped ZnO nanostructures. Materials Research Express, 2021, 8, 085004.	1.6	2
8	Fabrication and Analysis of Polydimethylsiloxane (PDMS) Microchannels for Biomedical Application. Processes, 2021, 9, 57.	2.8	7
9	Simulation, Analysis, and Characterization of Calcium-Doped ZnO Nanostructures for Dye-Sensitized Solar Cells. Energies, 2020, 13, 4863.	3.1	12
10	Fuzzy-Based Approach Using IoT Devices for Smart Home to Assist Blind People for Navigation. Sensors, 2020, 20, 3674.	3.8	21
11	Modeling and Piezoelectric Analysis of Nano Energy Harvesters. Sensors, 2020, 20, 3931.	3.8	8
12	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.	1.2	7
13	An analysis of the application of fuzzy logic in cloud computing. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5933-5947.	1.4	7
14	Combination of AHP and TOPSIS methods for the ranking of information security controls to overcome its obstructions under fuzzy environment. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6075-6088.	1.4	9
15	Prioritization of Information Security Controls through Fuzzy AHP for Cloud Computing Networks and Wireless Sensor Networks. Sensors, 2020, 20, 1310.	3.8	26
16	A Residential Load Scheduling with the Integration of On-Site PV and Energy Storage Systems in Micro-Grid. Sustainability, 2020, 12, 184.	3.2	14
17	A Review of Deep Learning Security and Privacy Defensive Techniques. Mobile Information Systems, 2020, 2020, 1-18.	0.6	24
18	Skin insertion analysis of microneedle using ANSYS and fuzzy logic. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5885-5895.	1.4	6

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19	Network Security and Internet of Things. Advances in Computer and Electrical Engineering Book Series, 2020, , 198-238.	0.3	0
20	Computer Simulation Based Optimization of Aspect Ratio for Micro and Nanochannels. Mehran University Research Journal of Engineering and Technology, 2020, 39, 779-791.	0.6	0
21	Annotation of Software Requirements Specification (SRS), Extractions of Nonfunctional Requirements, and Measurement of Their Tradeoff. IEEE Access, 2019, 7, 36164-36176.	4.2	25
22	Simulation, Fuzzy Analysis and Development of ZnO Nanostructure-based Piezoelectric MEMS Energy Harvester. Energies, 2019, 12, 807.	3.1	19
23	Study of Charging the Smart Phone by Human Movements by Using MATLAB Fuzzy Technique. , 2018, , .		2
24	Sinusoidal Microchannel with Descending Curves for Varicose Veins Implantation. Micromachines, 2018, 9, 59.	2.9	9
25	Factors influencing the Cloud Computing adoption in Higher Education Institutions of Punjab, Pakistan. , 2017, , .		21
26	Fluidic simulation and analysis of spiral, U-shape and curvilinear nano channels for biomedical application. , 2017, , .		2
27	Simulation, Fabrication and Analysis of Silver Based Ascending Sinusoidal Microchannel (ASMC) for Implant of Varicose Veins. Micromachines, 2017, 8, 278.	2.9	8
28	Simulation of fuzzy based flow controller in ascending sinusoidal microchannels. , 2016, , .		3
29	Simulation of flow control in straight microchannels using fuzzy logic. , 2016, , .		4
30	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.	5.2	7
31	Simulation of low voltage RF MEMS switch for reconfigurable antennas. , 2012, , .		0
32	Numerical Simulation of Descending Curves Sinusoidal Microchannel for Cell Separation System. , 2012, , .		0
33	Micro Electromechanical Systems (MEMS) Based Microfluidic Devices for Biomedical Applications. International Journal of Molecular Sciences, 2011, 12, 3648-3704.	4.1	195
34	Simulation of MEMS based micro-gyroscope using CoventorWare. , 2011, , .		2
35	Tapered tip hollow silicon microneedles for transdermal drug delivery. , 2010, , .		1
36	Simulation of dual radii polymeric microneedle array for blood extraction. , 2010, , .		1

#	Article	IF	Citations
37	MEMS based system for drug delivery. , 2010, , .		3
38	Design and simulation of double lumen polymeric microneedles for blood transport. , 2010, , .		4
39	Two layered novel anodic aluminum oxide nanoporous membrane. , 2010, , .		0
40	Coupledfield microfluidic analysis of integrated MEMS based device for transdermal drug delivery applications. , 2009, , .		3