

# Shahzadi Tayyaba

## List of Publications by Year in descending order

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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	Micro Electromechanical Systems (MEMS) Based Microfluidic Devices for Biomedical Applications. International Journal of Molecular Sciences, 2011, 12, 3648-3704.	4.1	195
2	Prioritization of Information Security Controls through Fuzzy AHP for Cloud Computing Networks and Wireless Sensor Networks. Sensors, 2020, 20, 1310.	3.8	26
3	Annotation of Software Requirements Specification (SRS), Extractions of Nonfunctional Requirements, and Measurement of Their Tradeoff. IEEE Access, 2019, 7, 36164-36176.	4.2	25
4	A Review of Deep Learning Security and Privacy Defensive Techniques. Mobile Information Systems, 2020, 2020, 1-18.	0.6	24
5	A Review on Solid Microneedles for Biomedical Applications. Journal of Pharmaceutical Innovation, 2022, 17, 1464-1483.	2.4	23
6	Factors influencing the Cloud Computing adoption in Higher Education Institutions of Punjab, Pakistan. , 2017, , .		21
7	Fuzzy-Based Approach Using IoT Devices for Smart Home to Assist Blind People for Navigation. Sensors, 2020, 20, 3674.	3.8	21
8	Simulation, Fuzzy Analysis and Development of ZnO Nanostructure-based Piezoelectric MEMS Energy Harvester. Energies, 2019, 12, 807.	3.1	19
9	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
10	Simulation, Analysis, and Characterization of Calcium-Doped ZnO Nanostructures for Dye-Sensitized Solar Cells. Energies, 2020, 13, 4863.	3.1	12
11	Sinusoidal Microchannel with Descending Curves for Varicose Veins Implantation. Micromachines, 2018, 9, 59.	2.9	9
12	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
13	Simulation, Fabrication and Analysis of Silver Based Ascending Sinusoidal Microchannel (ASMC) for Implant of Varicose Veins. Micromachines, 2017, 8, 278.	2.9	8
14	Modeling and Piezoelectric Analysis of Nano Energy Harvesters. Sensors, 2020, 20, 3931.	3.8	8
15	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
16	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
17	An analysis of the application of fuzzy logic in cloud computing. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5933-5947.	1.4	7
18	Fabrication and Analysis of Polydimethylsiloxane (PDMS) Microchannels for Biomedical Application. Processes, 2021, 9, 57.	2.8	7

#	ARTICLE	IF	CITATIONS
19	Skin insertion analysis of microneedle using ANSYS and fuzzy logic. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5885-5895.	1.4	6
20	Design and simulation of double lumen polymeric microneedles for blood transport. , 2010, , .		4
21	Simulation of flow control in straight microchannels using fuzzy logic. , 2016, , .		4
22	Coupledfield microfluidic analysis of integrated MEMS based device for transdermal drug delivery applications. , 2009, , .		3
23	MEMS based system for drug delivery. , 2010, , .		3
24	Simulation of fuzzy based flow controller in ascending sinusoidal microchannels. , 2016, , .		3
25	Simulation of MEMS based micro-gyroscope using CoventorWare. , 2011, , .		2
26	Fluidic simulation and analysis of spiral, U-shape and curvilinear nano channels for biomedical application. , 2017, , .		2
27	Study of Charging the Smart Phone by Human Movements by Using MATLAB Fuzzy Technique. , 2018, , .		2
28	Simulation, synthesis and band-gap engineering of 2nd group doped ZnO nanostructures. Materials Research Express, 2021, 8, 085004.	1.6	2
29	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
30	Tapered tip hollow silicon microneedles for transdermal drug delivery. , 2010, , .		1
31	Simulation of dual radii polymeric microneedle array for blood extraction. , 2010, , .		1
32	Simulation, analysis and characterization of solid microneedles for biomedical applications. Journal of Intelligent and Fuzzy Systems, 2022, , 1-11.	1.4	1
33	Two layered novel anodic aluminum oxide nanoporous membrane. , 2010, , .		0
34	Simulation of low voltage RF MEMS switch for reconfigurable antennas. , 2012, , .		0
35	Numerical Simulation of Descending Curves Sinusoidal Microchannel for Cell Separation System. , 2012, , .		0
36	Network Security and Internet of Things. Advances in Computer and Electrical Engineering Book Series, 2020, , 198-238.	0.3	0

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	Comparative Study to Analyze MEMS Based Microrobot Using Fuzzy TOPSIS Approach. Mathematical Problems in Engineering, 2022, 2022, 1-9.	1.1	0