

Muhammad Waseem Ashraf

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

407
citations

1162889

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h-index

794469

19
g-index

48
all docs

48
docs citations

48
times ranked

458
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. | 1.8 | 195 |
| 2 | A Review on Solid Microneedles for Biomedical Applications. Journal of Pharmaceutical Innovation, 2022, 17, 1464-1483. | 1.1 | 23 |
| 3 | Factors influencing the Cloud Computing adoption in Higher Education Institutions of Punjab, Pakistan. , 2017, , . | | 21 |
| 4 | Fuzzy-Based Approach Using IoT Devices for Smart Home to Assist Blind People for Navigation. Sensors, 2020, 20, 3674. | 2.1 | 21 |
| 5 | Simulation, Fuzzy Analysis and Development of ZnO Nanostructure-based Piezoelectric MEMS Energy Harvester. Energies, 2019, 12, 807. | 1.6 | 19 |
| 6 | Simulation, Analysis, and Characterization of Calcium-Doped ZnO Nanostructures for Dye-Sensitized Solar Cells. Energies, 2020, 13, 4863. | 1.6 | 12 |
| 7 | BiFeO ₃ and La doped BiFeO ₃ nano-particles decorated anodic Al ₂ O ₃ porous template fabricated with two step anodization. Materials Letters, 2019, 244, 115-118. | 1.3 | 10 |
| 8 | Sinusoidal Microchannel with Descending Curves for Varicose Veins Implantation. Micromachines, 2018, 9, 59. | 1.4 | 9 |
| 9 | Simulation, Fabrication and Analysis of Silver Based Ascending Sinusoidal Microchannel (ASMC) for Implant of Varicose Veins. Micromachines, 2017, 8, 278. | 1.4 | 8 |
| 10 | Modeling and Piezoelectric Analysis of Nano Energy Harvesters. Sensors, 2020, 20, 3931. | 2.1 | 8 |
| 11 | 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 |
| 12 | Yttrium incorporated BiFeO ₃ nanostructures growth on two step anodized Al ₂ O ₃ porous template for energy storage applications. Ceramics International, 2020, 46, 7681-7686. | 2.3 | 7 |
| 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 | Fabrication and Analysis of Polydimethylsiloxane (PDMS) Microchannels for Biomedical Application. Processes, 2021, 9, 57. | 1.3 | 7 |
| 15 | Skin insertion analysis of microneedle using ANSYS and fuzzy logic. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5885-5895. | 0.8 | 6 |
| 16 | Robust Nanogenerator Based on Vertically Aligned ZnO Nanorods Using Copper Substrate. Journal of Nanomaterials, 2013, 2013, 1-8. | 1.5 | 5 |
| 17 | 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 |
| 18 | Design and simulation of double lumen polymeric microneedles for blood transport. , 2010, , . | | 4 |

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|----|--|-----|-----------|
| 19 | Coupledfield microfluidic analysis of integrated MEMS based device for transdermal drug delivery applications. , 2009, , . | | 3 |
| 20 | MEMS based system for drug delivery. , 2010, , . | | 3 |
| 21 | Simulation of fuzzy based flow controller in ascending sinusoidal microchannels. , 2016, , . | | 3 |
| 22 | Simulation of MEMS based micro-gyroscope using CoventorWare. , 2011, , . | | 2 |
| 23 | Optimization of Fabrication Process for MEMS Based Microneedles Using ICP Etching Technology. Advanced Materials Research, 2011, 403-408, 4611-4616. | 0.3 | 2 |
| 24 | 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 |
| 25 | Threat evaluation of suspicious target for cognitive radar. , 2014, , . | | 2 |
| 26 | Comparative simulation of silicon, PDMS, PGA and PMMA actuator for piezoelectric micropump. , 2016, , . | | 2 |
| 27 | Fluidic simulation and analysis of spiral, U-shape and curvilinear nano channels for biomedical application. , 2017, , . | | 2 |
| 28 | Study of Charging the Smart Phone by Human Movements by Using MATLAB Fuzzy Technique. , 2018, , . | | 2 |
| 29 | Simulation, synthesis and band-gap engineering of 2nd group doped ZnO nanostructures. Materials Research Express, 2021, 8, 085004. | 0.8 | 2 |
| 30 | 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 |
| 31 | Simulation, analysis, fabrication and characterization of tunable AAO membrane for microfluidic filtration. Journal of Intelligent and Fuzzy Systems, 2022, , 1-10. | 0.8 | 2 |
| 32 | 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 |
| 33 | Simulation of dual radii polymeric microneedle array for blood extraction. , 2010, , . | | 1 |
| 34 | Electrical power conservation in low power loads in textile industries. , 2013, , . | | 1 |
| 35 | Two layered novel anodic aluminum oxide nanoporous membrane. , 2010, , . | | 0 |
| 36 | A novel surveillance system for rescue and military operations. , 2011, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Detecting unintended gesture in real-time video for mental state prediction. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 38 | Design and Simulation of MEMS Based Tuning Fork Micro-Gyroscope. Applied Mechanics and Materials, 0, 110-116, 5036-5043. | 0.2 | 0 |
| 39 | Simulation of low voltage RF MEMS switch for reconfigurable antennas. , 2012, , . | | 0 |
| 40 | Numerical Simulation of Descending Curves Sinusoidal Microchannel for Cell Separation System. , 2012, , . | | 0 |
| 41 | Design, Simulation and Development of Gold Microneedles Patch. , 2013, , . | | 0 |
| 42 | 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 |
| 43 | Network Security and Internet of Things. Advances in Computer and Electrical Engineering Book Series, 2020, , 198-238. | 0.2 | 0 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | Comparative Study to Analyze MEMS Based Microrobot Using Fuzzy TOPSIS Approach. Mathematical Problems in Engineering, 2022, 2022, 1-9. | 0.6 | 0 |