

Nahrizul Adib Kadri

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

2,621
citations

257450

24
h-index

189892

50
g-index

76
all docs

76
docs citations

76
times ranked

3730
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Automated detection and screening of depression using continuous wavelet transform with electroencephalogram signals. <i>Expert Systems</i> , 2023, 40, e12803. | 4.5 | 6 |
| 2 | Artificial Intelligence Enabled Personalised Assistive Tools to Enhance Education of Children with Neurodevelopmental Disorders – A Review. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1192. | 2.6 | 30 |
| 3 | Development and Performance Evaluation of Automated Methadone Dispenser for Drug Addiction Therapy. <i>Journal of Testing and Evaluation</i> , 2022, 50, 1299-1312. | 0.7 | 0 |
| 4 | Automated Diagnosis and Assessment of Cardiac Structural Alteration in Hypertension Ultrasound Images. <i>Contrast Media and Molecular Imaging</i> , 2022, 2022, 1-10. | 0.8 | 1 |
| 5 | RLMD-PA: A Reinforcement Learning-Based Myocarditis Diagnosis Combined with a Population-Based Algorithm for Pretraining Weights. <i>Contrast Media and Molecular Imaging</i> , 2022, 2022, 1-15. | 0.8 | 16 |
| 6 | Multistage Optimization Using a Modified Gaussian Mixture Model in Sperm Motility Tracking. <i>Computational and Mathematical Methods in Medicine</i> , 2021, 2021, 1-14. | 1.3 | 3 |
| 7 | Optimization of Local Contrast Factor with Adaptive Brightness Improvement: Impact on Mammogram Image Analysis. <i>Journal of Medical Imaging and Health Informatics</i> , 2021, 11, 2217-2230. | 0.3 | 0 |
| 8 | Advances in bioactive glass-containing injectable hydrogel biomaterials for tissue regeneration. <i>Acta Biomaterialia</i> , 2021, 136, 1-36. | 8.3 | 61 |
| 9 | Role of Artificial Intelligence in COVID-19 Detection. <i>Sensors</i> , 2021, 21, 8045. | 3.8 | 32 |
| 10 | Hydrothermal synthesis of carbon microspheres from sucrose with citric acid as a catalyst: physicochemical and structural properties. <i>Journal of Taibah University for Science</i> , 2020, 14, 1042-1050. | 2.5 | 13 |
| 11 | Polymeric Hydrogel Systems as Emerging Biomaterial Platforms to Enable Hemostasis and Wound Healing. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000905. | 7.6 | 194 |
| 12 | Sustainable GQDs for potential application in engineering using corn powder as green precursor. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 919-924. | 2.1 | 5 |
| 13 | Engineering stiffness in highly porous biomimetic gelatin/tertiary bioactive glass hybrid scaffolds using graphene nanosheets. <i>Reactive and Functional Polymers</i> , 2020, 154, 104668. | 4.1 | 4 |
| 14 | Self-Healing Polyester Urethane Supramolecular Elastomers Reinforced with Cellulose Nanocrystals for Biomedical Applications. <i>Macromolecular Bioscience</i> , 2019, 19, e1900176. | 4.1 | 9 |
| 15 | Analysis of the interface pressure exerted by the Châneau brace in patients with double-curve adolescent idiopathic scoliosis. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2019, 233, 901-908. | 1.8 | 3 |
| 16 | Design and numerical analysis of interdigitated radiating-strips electrode for uniform 3D dielectrophoretic patterning of liver cells. <i>Microsystem Technologies</i> , 2019, 25, 3037-3045. | 2.0 | 1 |
| 17 | Well-ordered mesoporous silica and bioactive glasses: promise for improved hemostasis. <i>Biomaterials Science</i> , 2019, 7, 31-50. | 5.4 | 73 |
| 18 | Evaluation of Feature Descriptor on D-Saddle Keypoint Detection in Retinal Image Registration. , 2019, , . | | 1 |

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|----|---|------|-----------|
| 19 | An Improved Enhancement Technique for Mammogram Image Analysis: A Fuzzy Rule-Based Approach of Contrast Enhancement. , 2019, , . | | 1 |
| 20 | Elastomeric biocomposite of silver-containing mesoporous bioactive glass and poly(1,8-octanediol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Materials Science and Engineering C, 2019, 98, 1022-1033. | 7.3 | 15 |
| 21 | Determination of electrophysiological properties of human monocytes and THP-1 cells by dielectrophoresis. Biomedical Research and Therapy, 2019, 6, 3040-3052. | 0.6 | 8 |
| 22 | A Systematic Review on Peripheral Blood-derived Mesenchymal Stem Cells as a Therapy for Cartilage Repair. Sains Malaysiana, 2019, 48, 1947-1958. | 0.5 | 0 |
| 23 | Structure, mechanism, and performance evaluation of natural gas hydrate kinetic inhibitors. Reviews in Inorganic Chemistry, 2018, 38, 1-19. | 4.1 | 51 |
| 24 | Enhancement of graphene quantum dots based applications via optimum physical chemistry: A review. Biocybernetics and Biomedical Engineering, 2018, 38, 481-497. | 5.9 | 27 |
| 25 | Comparative efficacy of hemorrhage control of a novel mesoporous bioactive glass versus two commercial hemostats. Biomedical Materials (Bristol), 2018, 13, 025020. | 3.3 | 23 |
| 26 | Continuous synthesis of well-crystalline VACNTs using CVD method for engineering applications. Materials Research Innovations, 2017, 21, 379-385. | 2.3 | 0 |
| 27 | Potency and Cytotoxicity of a Novel Gallium-Containing Mesoporous Bioactive Glass/Chitosan Composite Scaffold as Hemostatic Agents. ACS Applied Materials & Interfaces, 2017, 9, 31381-31392. | 8.0 | 95 |
| 28 | Immobilized copper ions on MWCNTS-Chitosan thin film: Enhanced amperometric sensor for electrochemical determination of diclofenac sodium in aqueous solution. International Journal of Hydrogen Energy, 2017, 42, 19951-19960. | 7.1 | 52 |
| 29 | Carbon-Based Nanobiohybrid Thin Film for Amperometric Glucose Sensing. ACS Biomaterials Science and Engineering, 2017, 3, 2059-2063. | 5.2 | 10 |
| 30 | Development of poly (1, 8-octanediol citrate)/chitosan blend films for tissue engineering applications. Carbohydrate Polymers, 2017, 175, 618-627. | 10.2 | 13 |
| 31 | Feature-Based Retinal Image Registration Using D-Saddle Feature. Journal of Healthcare Engineering, 2017, 2017, 1-15. | 1.9 | 21 |
| 32 | A New Region-Based Adaptive Thresholding For Sperm Motility Segmentation. Malaysian Journal of Computer Science, 2017, 29, 272-286. | 0.8 | 6 |
| 33 | Computational Analysis of Enhanced Circulating Tumour Cell (CTC) Separation in a Microfluidic System with an Integrated Dielectrophoretic-Magnetophoretic (DEP-MAP) Technique. Chemosensors, 2016, 4, 14. | 3.6 | 8 |
| 34 | Discriminating dengue-infected hepatic cells (WRL-68) using dielectrophoresis. Electrophoresis, 2016, 37, 511-518. | 2.4 | 13 |
| 35 | Morphology optimization of highly oriented carbon nanotubes for bioengineering applications. Materials Research Innovations, 2016, 20, 268-271. | 2.3 | 6 |
| 36 | Hydrothermal synthesis and characterisation of bioactive glass-ceramic nanorods. Journal of Non-Crystalline Solids, 2016, 443, 118-124. | 3.1 | 11 |

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|----|---|-----|-----------|
| 37 | Osteogenic differentiation of mesenchymal stem cells on a poly (octanediol citrate)/bioglass composite scaffold in vitro. <i>Materials and Design</i> , 2016, 109, 434-442. | 7.0 | 15 |
| 38 | Antibacterial properties of poly (octanediol citrate)/gallium-containing bioglass composite scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 18. | 3.6 | 25 |
| 39 | Gallium-containing mesoporous bioactive glass with potent hemostatic activity and antibacterial efficacy. <i>Journal of Materials Chemistry B</i> , 2016, 4, 71-86. | 5.8 | 121 |
| 40 | Inorganic hemostats: The state-of-the-art and recent advances. <i>Materials Science and Engineering C</i> , 2016, 58, 1255-1268. | 7.3 | 124 |
| 41 | Computational local stiffness analysis of biological cell: High aspect ratio single wall carbon nanotube tip. <i>Materials Science and Engineering C</i> , 2016, 59, 636-642. | 7.3 | 9 |
| 42 | DEVELOPMENT OF ARDUINO-BASED HAND DYNAMOMETER ASSISTIVE DEVICE. <i>Journal of Mechanics in Medicine and Biology</i> , 2016, 16, 1650033. | 0.7 | 3 |
| 43 | Possible High Efficiency Platform for Biosensors Based on Optimum Physical Chemistry of Carbon Nanotubes. <i>Chemical Vapor Deposition</i> , 2015, 21, 263-266. | 1.3 | 14 |
| 44 | Fabrication of dielectrophoretic microfluidic chips using a facile screen-printing technique for microparticle trapping. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 105015. | 2.6 | 10 |
| 45 | Synthesis of Well-Crystalline Lattice Carbon Nanotubes via Neutralized Cooling Method. <i>Materials and Manufacturing Processes</i> , 2015, 30, 59-62. | 4.7 | 27 |
| 46 | Fabrication and characterization of poly(octanediol citrate)/gallium-containing bioglass microcomposite scaffolds. <i>Journal of Materials Science</i> , 2015, 50, 2189-2201. | 3.7 | 28 |
| 47 | A review on powder-based additive manufacturing for tissue engineering: selective laser sintering and inkjet 3D printing. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 033502. | 6.1 | 502 |
| 48 | Bioactive glass reinforced elastomer composites for skeletal regeneration: A review. <i>Materials Science and Engineering C</i> , 2015, 53, 175-188. | 7.3 | 73 |
| 49 | Controlling Vaporization Time as Effective Parameter on Purified Vertically Aligned Carbon Nanotubes Based on CVD Method. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 1103-1107. | 2.1 | 10 |
| 50 | Characterization and Mechanical Properties of Calcium Silicate/Citric Acid-Based Polymer Composite Materials. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 371-376. | 2.1 | 12 |
| 51 | Mechanochemical Synthesis and Characterization of Silver (Ag⁺) and Tantalum (Ta⁵⁺) Doped Calcium Silicate Nanopowders. <i>Science of Advanced Materials</i> , 2015, 7, 2664-2671. | 0.7 | 9 |
| 52 | Mechanical and In Vitro Biological Performance of Graphene Nanoplatelets Reinforced Calcium Silicate Composite. <i>PLoS ONE</i> , 2014, 9, e106802. | 2.5 | 53 |
| 53 | Computational Fluid Dynamics Modelling of Microfluidic Channel for Dielectrophoretic BioMEMS Application. <i>Scientific World Journal, The</i> , 2014, 2014, 1-11. | 2.1 | 10 |
| 54 | Lab-on-a-chip particles manipulation for point-of-care diagnostic systems utilizing dielectrophoresis. , 2014, , . | | 1 |

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|----|---|-----|-----------|
| 55 | Cell Patterning for Liver Tissue Engineering via Dielectrophoretic Mechanisms. <i>Sensors</i> , 2014, 14, 11714-11734. | 3.8 | 16 |
| 56 | Dielectrophoretic Manipulation and Separation of Microparticles Using Microarray Dot Electrodes. <i>Sensors</i> , 2014, 14, 6356-6369. | 3.8 | 56 |
| 57 | Linear and nonlinear analysis of normal and CAD-affected heart rate signals. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 113, 55-68. | 4.7 | 145 |
| 58 | Mechanical and physical properties of calcium silicate/alumina composite for biomedical engineering applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 30, 168-175. | 3.1 | 63 |
| 59 | <i>In vitro</i> characterization and mechanical properties of Ti^2 -calcium silicate/POC composite as a bone fixation device. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3973-3985. | 4.0 | 31 |
| 60 | Synthesis, Mechanical Properties, and in Vitro Biocompatibility with Osteoblasts of Calcium Silicate-Reduced Graphene Oxide Composites. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3947-3962. | 8.0 | 153 |
| 61 | Automated identification of normal and diabetes heart rate signals using nonlinear measures. <i>Computers in Biology and Medicine</i> , 2013, 43, 1523-1529. | 7.0 | 121 |
| 62 | Microarray Dot Electrodes Utilizing Dielectrophoresis for Cell Characterization. <i>Sensors</i> , 2013, 13, 9029-9046. | 3.8 | 20 |
| 63 | COMPUTER-BASED IDENTIFICATION OF NORMAL AND ALCOHOLIC EEG SIGNALS USING WAVELET PACKETS AND ENERGY MEASURES. <i>Journal of Mechanics in Medicine and Biology</i> , 2013, 13, 1350033. | 0.7 | 53 |
| 64 | Application of Multiresolution Analysis for the Detection of Glaucoma. <i>Journal of Medical Imaging and Health Informatics</i> , 2013, 3, 401-408. | 0.3 | 4 |
| 65 | Publication and mechanical properties of Al_2O_3 -calcium silicate/POC composite as a bone fixation device. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3973-3985. | | |
| 66 | Dielectrophoretic K562 Cell Entrapment Device Using Benchtop Microfluidics Fabrication. <i>Advanced Science Letters</i> , 2012, 15, 1-4. | 0.2 | 0 |
| 67 | Real-time cell electrophysiology using a multi-channel dielectrophoretic dot microelectrode array. <i>Electrophoresis</i> , 2011, 32, 2541-2549. | 2.4 | 24 |
| 68 | Polyvinyl alcohol as a viable membrane in artificial tissue design and development. <i>Clinics</i> , 2011, 66, 1489-1493. | 1.5 | 5 |
| 69 | Microelectrode Fabrication Using Indium Tin Oxide (ITO) For Microfluidic Devices Employing Dielectrophoresis. <i>IFMBE Proceedings</i> , 2008, , 719-722. | 0.3 | 3 |
| 70 | The First Decade of Biomedical Engineering Degree Program at the University of Malaya: Experiences and Achievements. <i>IFMBE Proceedings</i> , 2008, , 69-72. | 0.3 | 1 |
| 71 | Temperature Modeling of Therapeutic Ultrasound: A Preliminary Finding. <i>IFMBE Proceedings</i> , 2007, , 594-597. | 0.3 | 0 |
| 72 | Online Survey of Children's Understanding of Mobile Phones and EMF: Preliminary Results. , 2006, , . | | 1 |

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| 73 | Web-Based Educational Portal on EMF for Children. , 2006, , . | | 0 |