

Nahrizul Adib Kadri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2248001/publications.pdf>

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	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
2	Polymeric Hydrogel Systems as Emerging Biomaterial Platforms to Enable Hemostasis and Wound Healing. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000905.	7.6	194
3	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
4	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
5	Inorganic hemostats: The state-of-the-art and recent advances. <i>Materials Science and Engineering C</i> , 2016, 58, 1255-1268.	7.3	124
6	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
7	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
8	Potency and Cytotoxicity of a Novel Gallium-Containing Mesoporous Bioactive Glass/Chitosan Composite Scaffold as Hemostatic Agents. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31381-31392.	8.0	95
9	Bioactive glass reinforced elastomer composites for skeletal regeneration: A review. <i>Materials Science and Engineering C</i> , 2015, 53, 175-188.	7.3	73
10	Well-ordered mesoporous silica and bioactive glasses: promise for improved hemostasis. <i>Biomaterials Science</i> , 2019, 7, 31-50.	5.4	73
11	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
12	Fabrication and mechanical properties of $\text{Al}_2\text{O}_3/\text{SiO}_2/\text{SiC}$ nanocomposites. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 30, 168-175.	3.1	63
13	Advances in bioactive glass-containing injectable hydrogel biomaterials for tissue regeneration. <i>Acta Biomaterialia</i> , 2021, 136, 1-36.	8.3	61
14	Dielectrophoretic Manipulation and Separation of Microparticles Using Microarray Dot Electrodes. <i>Sensors</i> , 2014, 14, 6356-6369.	3.8	56
15	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
16	Mechanical and In Vitro Biological Performance of Graphene Nanoplatelets Reinforced Calcium Silicate Composite. <i>PLoS ONE</i> , 2014, 9, e106802.	2.5	53
17	Immobilized copper ions on MWCNTS-Chitosan thin film: Enhanced amperometric sensor for electrochemical determination of diclofenac sodium in aqueous solution. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 19951-19960.	7.1	52
18	Structure, mechanism, and performance evaluation of natural gas hydrate kinetic inhibitors. <i>Reviews in Inorganic Chemistry</i> , 2018, 38, 1-19.	4.1	51

#	ARTICLE	IF	CITATIONS
19	Role of Artificial Intelligence in COVID-19 Detection. <i>Sensors</i> , 2021, 21, 8045.	3.8	32
20	<i>In vitro</i> characterization and mechanical properties of β -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
21	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
22	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
23	Synthesis of Well-Crystalline Lattice Carbon Nanotubes via Neutralized Cooling Method. <i>Materials and Manufacturing Processes</i> , 2015, 30, 59-62.	4.7	27
24	Enhancement of graphene quantum dots based applications via optimum physical chemistry: A review. <i>Biocybernetics and Biomedical Engineering</i> , 2018, 38, 481-497.	5.9	27
25	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
26	Real-time cell electrophysiology using a multi-channel dielectrophoretic dot microelectrode array. <i>Electrophoresis</i> , 2011, 32, 2541-2549.	2.4	24
27	Comparative efficacy of hemorrhage control of a novel mesoporous bioactive glass versus two commercial hemostats. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 025020.	3.3	23
28	Feature-Based Retinal Image Registration Using D-Saddle Feature. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-15.	1.9	21
29	Microarray Dot Electrodes Utilizing Dielectrophoresis for Cell Characterization. <i>Sensors</i> , 2013, 13, 9029-9046.	3.8	20
30	Cell Patterning for Liver Tissue Engineering via Dielectrophoretic Mechanisms. <i>Sensors</i> , 2014, 14, 11714-11734.	3.8	16
31	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
32	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
33	Elastomeric biocomposite of silver-containing mesoporous bioactive glass and poly(1,8-octanediol) Tj ETQq1 1 0.784314 rgBT /Overl Materials Science and Engineering C, 2019, 98, 1022-1033.	7.3	15
34	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
35	Discriminating dengue-infected hepatic cells (WRL68) using dielectrophoresis. <i>Electrophoresis</i> , 2016, 37, 511-518.	2.4	13
36	Development of poly (1, 8-octanediol citrate)/chitosan blend films for tissue engineering applications. <i>Carbohydrate Polymers</i> , 2017, 175, 618-627.	10.2	13

#	ARTICLE	IF	CITATIONS
37	Hydrothermal synthesis of carbon microspheres from sucrose with citric acid as a catalyst: physicochemical and structural properties. Journal of Taibah University for Science, 2020, 14, 1042-1050.	2.5	13
38	Characterization and Mechanical Properties of Calcium Silicate/Citric Acid-Based Polymer Composite Materials. International Journal of Applied Ceramic Technology, 2015, 12, 371-376.	2.1	12
39	Hydrothermal synthesis and characterisation of bioactive glass-ceramic nanorods. Journal of Non-Crystalline Solids, 2016, 443, 118-124.	3.1	11
40	Computational Fluid Dynamics Modelling of Microfluidic Channel for Dielectrophoretic BioMEMS Application. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	10
41	Fabrication of dielectrophoretic microfluidic chips using a facile screen-printing technique for microparticle trapping. Journal of Micromechanics and Microengineering, 2015, 25, 105015.	2.6	10
42	Controlling Vaporization Time as Effective Parameter on Purified Vertically Aligned Carbon Nanotubes Based on CVD Method. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 1103-1107.	2.1	10
43	Carbon-Based Nanobiohybrid Thin Film for Amperometric Glucose Sensing. ACS Biomaterials Science and Engineering, 2017, 3, 2059-2063.	5.2	10
44	Computational local stiffness analysis of biological cell: High aspect ratio single wall carbon nanotube tip. Materials Science and Engineering C, 2016, 59, 636-642.	7.3	9
45	Self-Healing Polyester Urethane Supramolecular Elastomers Reinforced with Cellulose Nanocrystals for Biomedical Applications. Macromolecular Bioscience, 2019, 19, e1900176.	4.1	9
46	Mechanochemical Synthesis and Characterization of Silver (Ag) and Tantalum (Ta) Doped Calcium Silicate Nanopowders. Science of Advanced Materials, 2015, 7, 2664-2671.	0.7	9
47	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
48	Determination of electrophysiological properties of human monocytes and THP-1 cells by dielectrophoresis. Biomedical Research and Therapy, 2019, 6, 3040-3052.	0.6	8
49	Morphology optimization of highly oriented carbon nanotubes for bioengineering applications. Materials Research Innovations, 2016, 20, 268-271.	2.3	6
50	Automated detection and screening of depression using continuous wavelet transform with electroencephalogram signals. Expert Systems, 2023, 40, e12803.	4.5	6
51	A New Region-Based Adaptive Thresholding For Sperm Motility Segmentation. Malaysian Journal of Computer Science, 2017, 29, 272-286.	0.8	6
52	Sustainable GQDs for potential application in engineering using corn powder as green precursor. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 919-924.	2.1	5
53	Polyvinyl alcohol as a viable membrane in artificial tissue design and development. Clinics, 2011, 66, 1489-1493.	1.5	5
54	Application of Multiresolution Analysis for the Detection of Glaucoma. Journal of Medical Imaging and Health Informatics, 2013, 3, 401-408.	0.3	4

#	ARTICLE	IF	CITATIONS
55	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
56	DEVELOPMENT OF ARDUINO-BASED HAND DYNAMOMETER ASSISTIVE DEVICE. <i>Journal of Mechanics in Medicine and Biology</i> , 2016, 16, 1650033.	0.7	3
57	Analysis of the interface pressure exerted by the ChÃªneau 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
58	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
59	Microelectrode Fabrication Using Indium Tin Oxide (ITO) For Microfluidic Devices Employing Dielectrophoresis. <i>IFMBE Proceedings</i> , 2008, , 719-722.	0.3	3
60	Online Survey of Children's Understanding of Mobile Phones and EMF: Preliminary Results. , 2006, , .		1
61	Lab-on-a-chip particles manipulation for point-of-care diagnostic systems utilizing dielectrophoresis. , 2014, , .		1
62	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
63	Evaluation of Feature Descriptor on D-Saddle Keypoint Detection in Retinal Image Registration. , 2019, , .		1
64	An Improved Enhancement Technique for Mammogram Image Analysis: A Fuzzy Rule-Based Approach of Contrast Enhancement. , 2019, , .		1
65	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
66	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
67	Web-Based Educational Portal on EMF for Children. , 2006, , .		0
68	Continuous synthesis of well-crystalline VACNTs using CVD method for engineering applications. <i>Materials Research Innovations</i> , 2017, 21, 379-385.	2.3	0
69	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
70	Temperature Modeling of Therapeutic Ultrasound: A Preliminary Finding. <i>IFMBE Proceedings</i> , 2007, , 594-597.	0.3	0
71	Dielectrophoretic K562 Cell Entrapment Device Using Benchtop Microfluidics Fabrication. <i>Advanced Science Letters</i> , 2012, 15, 1-4.	0.2	0
72	A Systematic Review on Peripheral Blood-derived Mesenchymal Stem Cells as a Therapy for Cartilage Repair. <i>Sains Malaysiana</i> , 2019, 48, 1947-1958.	0.5	0

#	ARTICLE	IF	CITATIONS
73	Development and Performance Evaluation of Automated Methadone Dispenser for Drug Addiction Therapy. Journal of Testing and Evaluation, 2022, 50, 1299-1312.	0.7	0