

# Fatimah Ibrahim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8044921/publications.pdf>

Version: 2024-02-01

179  
papers

4,038  
citations

126708

33  
h-index

143772

57  
g-index

193  
all docs

193  
docs citations

193  
times ranked

4924  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Theory and Fundamentals of Bioimpedance Analysis in Clinical Status Monitoring and Diagnosis of Diseases. <i>Sensors</i> , 2014, 14, 10895-10928.	2.1	400
2	Smartphone-Based Solutions for Fall Detection and Prevention: Challenges and Open Issues. <i>Sensors</i> , 2014, 14, 7181-7208.	2.1	178
3	Dielectrophoresis for Biomedical Sciences Applications: A Review. <i>Sensors</i> , 2017, 17, 449.	2.1	147
4	An Improved Wearable Resonant Wireless Power Transfer System for Biomedical Capsule Endoscope. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 7772-7781.	5.2	138
5	A microdevice for rapid, monoplex and colorimetric detection of foodborne pathogens using a centrifugal microfluidic platform. <i>Biosensors and Bioelectronics</i> , 2018, 100, 96-104.	5.3	131
6	A microfluidic lab-on-a-disc integrated loop mediated isothermal amplification for foodborne pathogen detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 600-609.	4.0	114
7	A Colorimetric Enzyme-Linked Immunosorbent Assay (ELISA) Detection Platform for a Point-of-Care Dengue Detection System on a Lab-on-Compact-Disc. <i>Sensors</i> , 2015, 15, 11431-11441.	2.1	96
8	Stable and High-Efficiency Wireless Power Transfer System for Robotic Capsule Using a Modified Helmholtz Coil. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 1113-1122.	5.2	93
9	All-carbon suspended nanowire sensors as a rapid highly-sensitive label-free chemiresistive biosensing platform. <i>Biosensors and Bioelectronics</i> , 2018, 107, 145-152.	5.3	82
10	Carbon nanotube-based aptasensor for sensitive electrochemical detection of whole-cell Salmonella. <i>Analytical Biochemistry</i> , 2018, 554, 34-43.	1.1	82
11	A reduced graphene oxide-titanium dioxide nanocomposite based electrochemical aptasensor for rapid and sensitive detection of Salmonella enterica. <i>Bioelectrochemistry</i> , 2019, 127, 136-144.	2.4	78
12	Recent advances in surface functionalization techniques on polymethacrylate materials for optical biosensor applications. <i>Analyst, The</i> , 2014, 139, 2933.	1.7	76
13	Carbon Nanomaterial-Based Electrochemical Biosensors for Foodborne Bacterial Detection. <i>Critical Reviews in Analytical Chemistry</i> , 2019, 49, 510-533.	1.8	74
14	Application of Wireless Power Transmission Systems in Wireless Capsule Endoscopy: An Overview. <i>Sensors</i> , 2014, 14, 10929-10951.	2.1	72
15	Electrical analysis of amorphous corn starch-based polymer electrolyte membranes doped with Lil. <i>Physica Scripta</i> , 2013, 88, 025601.	1.2	68
16	Graphene-based label-free electrochemical aptasensor for rapid and sensitive detection of foodborne pathogen. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6893-6905.	1.9	63
17	Development of an aptasensor using reduced graphene oxide chitosan complex to detect Salmonella. <i>Journal of Electroanalytical Chemistry</i> , 2017, 806, 88-96.	1.9	63
18	Latex micro-balloon pumping in centrifugal microfluidic platforms. <i>Lab on A Chip</i> , 2014, 14, 988.	3.1	58

#	ARTICLE	IF	CITATIONS
19	Dielectrophoretic Manipulation and Separation of Microparticles Using Microarray Dot Electrodes. <i>Sensors</i> , 2014, 14, 6356-6369.	2.1	56
20	Effect of Muslim Prayer ( <i>Salat</i> ) on $\hat{\mu}$ Electroencephalography and Its Relationship with Autonomic Nervous System Activity. <i>Journal of Alternative and Complementary Medicine</i> , 2014, 20, 558-562.	2.1	56
21	A novel dengue fever (DF) and dengue haemorrhagic fever (DHF) analysis using artificial neural network (ANN). <i>Computer Methods and Programs in Biomedicine</i> , 2005, 79, 273-281.	2.6	54
22	Vacuum/Compression Valving (VCV) Using Paraffin-Wax on a Centrifugal Microfluidic CD Platform. <i>PLoS ONE</i> , 2013, 8, e58523.	1.1	54
23	Theoretical development and critical analysis of burst frequency equations for passive valves on centrifugal microfluidic platforms. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 525-535.	1.6	47
24	Polymethacrylate coated electrospun PHB fibers: An exquisite outlook for fabrication of paper-based biosensors. <i>Biosensors and Bioelectronics</i> , 2015, 69, 257-264.	5.3	47
25	Adaptive Neuro-Fuzzy Inference System for diagnosis risk in dengue patients. <i>Expert Systems With Applications</i> , 2012, 39, 4483-4495.	4.4	43
26	EEG Spectral Analysis on Muslim Prayers. <i>Applied Psychophysiology Biofeedback</i> , 2012, 37, 11-18.	1.0	43
27	Polymethyl methacrylate-co-methacrylic acid coatings with controllable concentration of surface carboxyl groups: A novel approach in fabrication of polymeric platforms for potential bio-diagnostic devices. <i>Applied Surface Science</i> , 2014, 300, 43-50.	3.1	40
28	Polypyrrole conducting polymer and its application in removal of copper ions from aqueous solution. <i>Materials Letters</i> , 2015, 149, 77-80.	1.3	40
29	Intelligent classification of electrocardiogram (ECG) signal using extended Kalman Filter (EKF) based neuro fuzzy system. <i>Computer Methods and Programs in Biomedicine</i> , 2006, 82, 157-168.	2.6	39
30	Biosensing enhancement of dengue virus using microballoon mixers on centrifugal microfluidic platforms. <i>Biosensors and Bioelectronics</i> , 2015, 67, 424-430.	5.3	38
31	Development of novel passive check valves for the microfluidic CD platform. <i>Sensors and Actuators A: Physical</i> , 2015, 222, 245-254.	2.0	37
32	Synthesis and processing of ELISA polymer substitute: The influence of surface chemistry and morphology on detection sensitivity. <i>Applied Surface Science</i> , 2014, 317, 630-638.	3.1	36
33	Push pull microfluidics on a multi-level 3D CD. <i>Lab on A Chip</i> , 2013, 13, 3199.	3.1	34
34	Synthesis and characterization of methacrylic microspheres for biomolecular recognition: Ultrasensitive biosensor for Dengue virus detection. <i>European Polymer Journal</i> , 2014, 60, 14-21.	2.6	33
35	Microsphere integrated microfluidic disk: synergy of two techniques for rapid and ultrasensitive dengue detection. <i>Scientific Reports</i> , 2015, 5, 16485.	1.6	33
36	Using finite state machine and a hybrid of EEG signal and EOG artifacts for an asynchronous wheelchair navigation. <i>Expert Systems With Applications</i> , 2015, 42, 2451-2463.	4.4	33

#	ARTICLE	IF	CITATIONS
37	Acupuncture therapy for drug addiction. Chinese Medicine, 2016, 11, 16.	1.6	33
38	Reversible thermo-pneumatic valves on centrifugal microfluidic platforms. Lab on A Chip, 2015, 15, 3358-3369.	3.1	32
39	The Application of Biomedical Engineering Techniques to the Diagnosis and Management of Tropical Diseases: A Review. Sensors, 2015, 15, 6947-6995.	2.1	32
40	A Novel Approach to Classify Risk in Dengue Hemorrhagic Fever (DHF) Using Bioelectrical Impedance Analysis (BIA). IEEE Transactions on Instrumentation and Measurement, 2005, 54, 237-244.	2.4	30
41	The Importance of Some Plant Extracts as Skin Anti-aging Resources: A Review. Current Pharmaceutical Biotechnology, 2018, 18, 864-876.	0.9	30
42	A Portable Automatic Endpoint Detection System for Amplicons of Loop Mediated Isothermal Amplification on Microfluidic Compact Disk Platform. Sensors, 2015, 15, 5376-5389.	2.1	29
43	Aging effect and antibody immobilization on COOH exposed surfaces designed for dengue virus detection. Biochemical Engineering Journal, 2015, 99, 183-192.	1.8	28
44	Effect of annealing temperatures on the morphology, optical and electrical properties of TiO <sub>2</sub> thin films synthesized by the sol-gel method and deposited on Al/TiO <sub>2</sub> /SiO <sub>2</sub> /p-Si. Microsystem Technologies, 2016, 22, 871-881.	1.2	28
45	A noninvasive intelligent approach for predicting the risk in dengue patients. Expert Systems With Applications, 2010, 37, 2175-2181.	4.4	27
46	Potential applications of human artificial skin and electronic skin (e-skin): a review. Bioinspired, Biomimetic and Nanobiomaterials, 2018, 7, 53-64.	0.7	26
47	The Effect of Contact Angles and Capillary Dimensions on the Burst Frequency of Super Hydrophilic and Hydrophilic Centrifugal Microfluidic Platforms, a CFD Study. PLoS ONE, 2013, 8, e73002.	1.1	26
48	Non-invasive diagnosis of risk in dengue patients using bioelectrical impedance analysis and artificial neural network. Medical and Biological Engineering and Computing, 2010, 48, 1141-1148.	1.6	25
49	Development of Automated Image Stitching System for Radiographic Images. Journal of Digital Imaging, 2013, 26, 361-370.	1.6	25
50	Elastic reversible valves on centrifugal microfluidic platforms. Lab on A Chip, 2019, 19, 1090-1100.	3.1	25
51	Solutions to Gender Balance in STEM Fields Through Support, Training, Education and Mentoring: Report of the International Women in Medical Physics and Biomedical Engineering Task Group. Science and Engineering Ethics, 2020, 26, 275-292.	1.7	25
52	Modeling of hemoglobin in dengue fever and dengue hemorrhagic fever using bioelectrical impedance. Physiological Measurement, 2004, 25, 607-615.	1.2	24
53	Resultant muscle torque and electromyographic activity during high intensity elastic resistance and free weight exercises. European Journal of Sport Science, 2013, 13, 155-163.	1.4	23
54	The impact of COVID-19 pandemic on gender-related work from home in STEM fields—Report of the WiMPBME Task Group. Gender, Work and Organization, 2021, 28, 378-396.	3.1	23

#	ARTICLE	IF	CITATIONS
55	Neuroelectrophysiological approaches in heroin addiction research: A review of literatures. Journal of Neuroscience Research, 2016, 94, 297-309.	1.3	22
56	Electromyographic Activity and Applied Load During High Intensity Elastic Resistance and Nautilus Machine Exercises. Journal of Human Kinetics, 2011, 30, 5-12.	0.7	21
57	Gating valve on spinning microfluidic platforms: A flow switch/control concept. Sensors and Actuators B: Chemical, 2014, 204, 149-158.	4.0	21
58	Investigation of brain electrophysiological properties among heroin addicts: Quantitative EEG and event-related potentials. Journal of Neuroscience Research, 2017, 95, 1633-1646.	1.3	21
59	Microarray Dot Electrodes Utilizing Dielectrophoresis for Cell Characterization. Sensors, 2013, 13, 9029-9046.	2.1	20
60	A Comparative Approach to ECG Feature Extraction Methods. , 2012, , .		19
61	Development of a steady state visual evoked potential (SSVEP)-based brain computer interface (BCI) system. , 2007, , .		18
62	Electromyographic Activity of the Lower Limb Muscles during &lt;i>Salat&/i> and Specific Exercises. Journal of Physical Therapy Science, 2012, 24, 549-552.	0.2	17
63	A quantitative approach to measure women&#x2019;s sexual function using electromyography: A preliminary study of the Kegel exercise. Medical Science Monitor, 2013, 19, 1159-1166.	0.5	17
64	Three-Dimensional Culture Environment Increases the Efficacy of Platelet Rich Plasma Releasate in Prompting Skin Fibroblast Differentiation and Extracellular Matrix Formation. International Journal of Medical Sciences, 2014, 11, 1029-1038.	1.1	17
65	Microplasma direct writing for site-selective surface functionalization of carbon microelectrodes. Microsystems and Nanoengineering, 2019, 5, 62.	3.4	17
66	Neural network diagnostic system for dengue patients risk classification. Journal of Medical Systems, 2012, 36, 661-676.	2.2	16
67	Cell Patterning for Liver Tissue Engineering via Dielectrophoretic Mechanisms. Sensors, 2014, 14, 11714-11734.	2.1	16
68	Ictal EEG Source Imaging for Presurgical Evaluation of Refractory Focal Epilepsy. World Neurosurgery, 2016, 88, 576-585.	0.7	16
69	Design optimisation of high sensitivity MEMS piezoresistive intracranial pressure sensor using Taguchi approach. Microsystem Technologies, 2018, 24, 2637-2652.	1.2	16
70	AR modeling as EEG spectral analysis on prostration. , 2009, , .		15
71	An improved resonant wireless power transfer system with optimum coil configuration for capsule endoscopy. Sensors and Actuators A: Physical, 2016, 249, 207-216.	2.0	15
72	Design and Development of Micro-Power Generating Device for Biomedical Applications of Lab-on-a-Disc. PLoS ONE, 2015, 10, e0136519.	1.1	14

#	ARTICLE	IF	CITATIONS
73	Acute effects of methadone on EEG power spectrum and event-related potentials among heroin dependents. <i>Psychopharmacology</i> , 2018, 235, 3273-3288.	1.5	14
74	Effect of Orofacial Myofunctional Exercise Using an Oral Rehabilitation Tool on Labial Closure Strength, Tongue Elevation Strength and Skin Elasticity. <i>Journal of Physical Therapy Science</i> , 2013, 25, 11-14.	0.2	13
75	Development of a Passive Liquid Valve (PLV) Utilizing a Pressure Equilibrium Phenomenon on the Centrifugal Microfluidic Platform. <i>Sensors</i> , 2015, 15, 4658-4676.	2.1	13
76	A novel approach for application of nylon membranes in the biosensing domain. <i>Applied Surface Science</i> , 2015, 353, 1310-1319.	3.1	13
77	Discriminating dengue-infected hepatic cells (WRL-68) using dielectrophoresis. <i>Electrophoresis</i> , 2016, 37, 511-518.	1.3	13
78	Effects of Muslims praying (Salat) on EEG gamma activity. <i>Complementary Therapies in Clinical Practice</i> , 2016, 24, 6-10.	0.7	13
79	Reexamination of risk criteria in dengue patients using the self-organizing map. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 293-301.	1.6	12
80	Analysis and experiment of centrifugal force for microfluidic ELISA CD platform. , 2010, , .		12
81	Muslim Prayer Movements as an Alternative Therapy in the Treatment of Erectile Dysfunction: A Preliminary Study. <i>Journal of Physical Therapy Science</i> , 2013, 25, 1087-1091.	0.2	12
82	Fabrication of interdigitated electrodes (IDE's) by conventional photolithography technique for pH measurement using micro-gap structure. , 2014, , .		11
83	Recent advances in the development of micropumps, microvalves and micromixers and the integration of carbon electrodes on centrifugal microfluidic platforms. <i>International Journal of Nanotechnology</i> , 2018, 15, 53.	0.1	11
84	Recursive independent component analysis (ICA)-decomposition of ictal EEG to select the best ictal component for EEG source imaging. <i>Clinical Neurophysiology</i> , 2020, 131, 642-654.	0.7	11
85	The Biggest Challenges Resulting from the COVID-19 Pandemic on Gender-Related Work from Home in Biomedical Fields: World-Wide Qualitative Survey Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3109.	1.2	11
86	Guided routing on spinning microfluidic platforms. <i>RSC Advances</i> , 2015, 5, 8669-8679.	1.7	10
87	Lab-on-a-disk as a potential microfluidic platform for dengue NS1-ELISA. , 2009, , .		9
88	Assessment of Heart Rates and Blood Pressure in Different & Salat Positions. <i>Journal of Physical Therapy Science</i> , 2013, 25, 211-214.	0.2	9
89	A wireless power transmission system for robotic capsule endoscopy: Design and optimization. , 2014, , .		9
90	Evanescent wave optical trapping and transport of polystyrene microspheres on microfibers. <i>Microwave and Optical Technology Letters</i> , 2014, 56, 2630-2634.	0.9	9

#	ARTICLE	IF	CITATIONS
91	Investigation of electromyographic activity during Salat and stretching exercise. , 2012, , .		8
92	A Microfluidic Lab-on-a-Disc (LOD) for Antioxidant Activities of Plant Extracts. Micromachines, 2018, 9, 140.	1.4	8
93	Analysis of significant factors for dengue infection prognosis using the self organizing map. , 2008, 2008, 5140-3.		7
94	Biomechanical Response of the Upper Body during Prostration in <i>Salat</i> and the Childâ€™s Pose: a Preliminary Study. Journal of Physical Therapy Science, 2012, 24, 1021-1024.	0.2	7
95	Assessment of upper body muscle activity during salat and stretching exercise: A pilot study. , 2012, , .		7
96	Structural and end-group analysis of synthetic acrylate co-polymers by matrix-assisted laser desorption time-of-flight mass spectrometry: Distribution of pendant carboxyl groups. Polymer Testing, 2014, 40, 273-279.	2.3	7
97	Sequential Push-Pull Pumping Mechanism for Washing and Evacuation of an Immunoassay Reaction Chamber on a Microfluidic CD Platform. PLoS ONE, 2015, 10, e0121836.	1.1	7
98	The Effectiveness of a Wireless Modular Bed Absence Sensor Device for Fall Prevention among Older Inpatients. Frontiers in Public Health, 2016, 4, 292.	1.3	7
99	SYSTEM IDENTIFICATION OF NONLINEAR AUTOREGRESSIVE MODELS IN MONITORING DENGUE INFECTION. International Journal on Smart Sensing and Intelligent Systems, 2010, 3, 783-806.	0.4	7
100	Analysis of MEMS diaphragm of piezoresistive intracranial pressure sensor. , 2014, , .		6
101	Resonant inductive power transfer system for freely moving capsule endoscope with highly uniform magnetic field. , 2016, , .		6
102	Load deflection analysis of rectangular graphene diaphragm for MEMS intracranial pressure sensor applications. Microsystem Technologies, 2018, 24, 1147-1152.	1.2	6
103	Study of Heart Rate Changes in Different Salatâ€™s Positions. IFMBE Proceedings, 2008, , 687-690.	0.2	6
104	Modelling of Stem Cells Microenvironment Using Carbon-Based Scaffold for Tissue Engineering Applicationâ€™A Review. Polymers, 2021, 13, 4058.	2.0	6
105	Assessment of haematocrit status using bioelectrical impedance analysis in dengue patients. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 277-281.	0.4	5
106	Model order selection criterion for monitoring haemoglobin status in dengue patients using ARX model. , 2008, , .		5
107	NON-INVASIVE APPROACH TO PREDICT THE CHOLESTEROL LEVEL IN BLOOD USING BIOIMPEDANCE AND NEURAL NETWORK TECHNIQUES. Biomedical Engineering - Applications, Basis and Communications, 2013, 25, 1350046.	0.3	5
108	Effect of isothermal annealing on structural, morphological, optical and electrical properties of N-type TiO<inf>2</inf> thin films. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
109	Design of a high sensitivity MEMS piezoresistive intracranial pressure sensor using three turns meander shaped piezoresistors. , 2016, , .		5
110	HIV-infected People in Sudan Moving Toward Chronic Poverty: Possible Interventions. Journal of the Association of Nurses in AIDS Care, 2016, 27, 30-43.	0.4	5
111	Phase angle and diabetes in community-dwelling older adults: cross-sectional analysis from the Malaysian elders longitudinal research (MELoR) study. European Journal of Clinical Nutrition, 2022, 76, 680-684.	1.3	5
112	Analysis of Water Compartment in Dengue Patients. , 2005, 2005, 4130-3.		4
113	Bioimpedance Vector Analysis in Diagnosing Severe and Non-Severe Dengue Patients. Sensors, 2016, 16, 911.	2.1	4
114	Design of graphene-based MEMS intracranial pressure sensor. , 2016, , .		4
115	A 3-coil wireless power transfer system with fine tuned power amplifier for biomedical capsule. , 2017, , .		4
116	Two electrodes low voltage input EEG amplifier for brain-computer-interface. , 2007, , .		3
117	Binding characteristics study for dengue virus non-structural protein 1 of Antigen and its antibody by using circular dichroism technique. , 2009, , .		3
118	Modeling of a polyimide diaphragm for an optical pulse pressure sensor. , 2009, , .		3
119	An efficient low-cost real-time brain computer interface system based on SSVEP. IEICE Electronics Express, 2010, 7, 326-331.	0.3	3
120	Development of a Kidney TeleUltrasound Consultation System. Journal of Digital Imaging, 2011, 24, 308-313.	1.6	3
121	A numerical analysis of electric field strength over planar microarray dot electrode for dielectrophoretic lab-on-chip device. , 2012, , .		3
122	A new approach to medical image stitching using minimum average correlation energy filter and peak to side-lobe ratio. International Journal of Imaging Systems and Technology, 2012, 22, 166-171.	2.7	3
123	Classification of reflected signals from cavitated tooth surfaces using an artificial intelligence technique incorporating a fiber optic displacement sensor. Journal of Biomedical Optics, 2014, 19, 057009.	1.4	3
124	Graphene Hydrogel Novel Nanostructure as a Scaffold. IFMBE Proceedings, 2016, , 99-102.	0.2	3
125	Novel Polymeric Biochips for Enhanced Detection of Infectious Diseases. SpringerBriefs in Applied Sciences and Technology, 2016, , .	0.2	3
126	Flexion Relaxation Phenomenon of Back Muscles in Discriminating Between Healthy and Chronic Low Back Pain Women. IFMBE Proceedings, 2008, , 199-203.	0.2	3



#	ARTICLE	IF	CITATIONS
127	Preliminary Study: The Impact of Moderate Exercises on Biomechanical Response of the Humans Muscles. IFMBE Proceedings, 2008, , 449-452.	0.2	3
128	Optimization of Medication Delivery Drone with IoT-Guidance Landing System Based on Direction and Intensity of Light. Sensors, 2022, 22, 4272.	2.1	3
129	Evaluation of pressure changes for Capillary and Fishbone valves in Lab-on-CD systems. , 2009, , .		2
130	Development of a low-cost and portable device controller for point-of-care medical diagnostics. , 2010, , .		2
131	Preparation and characterization of MWCNT dispersed in various solutions. , 2014, , .		2
132	Performance evaluation of power transmission coils for powering endoscopic wireless capsules. , 2015, 2015, 2263-6.		2
133	Residual stress of graphene-based MEMS ICP piezoresistive pressure sensors. , 2016, , .		2
134	A New Approach for Selective Surface Functionalization of Carbon Electrodes in Biosensing by Plasma Direct-Writing. ECS Transactions, 2016, 72, 51-57.	0.3	2
135	A New Approach for Reagent Storage-Releasing on Centrifugal Microfluidic Platforms Using Bubblewrap and Latex Membrane. IFMBE Proceedings, 2016, , 269-271.	0.2	2
136	Application of Biochips in Dengue Virus Detection. SpringerBriefs in Applied Sciences and Technology, 2016, , 39-47.	0.2	2
137	Body shape, fear of falling, physical performance, and falls among individuals aged 55 years and above. European Geriatric Medicine, 2019, 10, 801-808.	1.2	2
138	Classification of Risk in Dengue Fever and Dengue Haemorrhagic Fever using Rule Based Expert System. IFMBE Proceedings, 2007, , 50-53.	0.2	2
139	Fabrication of a 3D carbon electrode for potential dielectrophoresis-based hepatic cell patterning application using carbon micro-electrical-mechanical system (CMEMS). Journal of Micromechanics and Microengineering, 2022, 32, 055005.	1.5	2
140	Bioelectrical Impedance Analysis in Assessing the Chances of Obtaining Coronary Heart Disease in Obese Subjects. , 0, , .		1
141	Determination of the Bioimpedance Analysis Parameters in Dengue Patients Using the Self Organizing Map. IFMBE Proceedings, 2008, , 170-173.	0.2	1
142	Monitoring haemoglobin status in dengue patients using ARMAX model. , 2008, , .		1
143	Blind user indoor environment mapping system for self-localization. , 2011, , .		1
144	Novel liquid equilibrium valving on centrifugal microfluidic CD platform. , 2013, 2013, 5509-12.		1

#	ARTICLE	IF	CITATIONS
145	Multi-level 3D implementation of thermo-pneumatic pumping on centrifugal microfluidic CD platforms. , 2013, 2013, 5513-6.		1
146	Lab-on-a-chip particles manipulation for point-of-care diagnostic systems utilizing dielectrophoresis. , 2014, , .		1
147	Polyacrylate spin-coated surfaces with controllable functionality: Potential biochips for diagnostic devices. , 2014, , .		1
148	Validation of multiple frequency bioimpedance analyzer using biological phantom. , 2014, , .		1
149	Using Rasch model to analyze the ability of pre-university students in vector. AIP Conference Proceedings, 2015, , .	0.3	1
150	Optimization of CNT Based MEMS Piezoresistive Pressure Sensor for Intracranial Pressure Monitoring. IFMBE Proceedings, 2016, , 57-61.	0.2	1
151	Current Optical Biosensors in Clinical Practice. SpringerBriefs in Applied Sciences and Technology, 2016, , 1-12.	0.2	1
152	APPLICATION OF SELF ORGANIZING MAP FOR CORRELATION HUNTING BETWEEN ALPHA BAND POWER OF EEG SIGNALS AND OTHER PHYSIOLOGICAL PARAMETERS DURING MUSLIM PRAYER (<i>SALAT</i>). Biomedical Engineering - Applications, Basis and Communications, 2018, 30, 1850029.	0.3	1
153	Design and numerical analysis of interdigitated radiating-strips electrode for uniform 3D dielectrophoretic patterning of liver cells. Microsystem Technologies, 2019, 25, 3037-3045.	1.2	1
154	An Alternative Chemical Approach for Development of Polymeric Analytical Platforms. SpringerBriefs in Applied Sciences and Technology, 2016, , 13-21.	0.2	1
155	Biochips Fabrication and Surface Characterization. SpringerBriefs in Applied Sciences and Technology, 2016, , 23-37.	0.2	1
156	Review on Technical Aspects of Image Acquisition, Analysis and Retrieval for Leukaemia Cells. IFMBE Proceedings, 2008, , 230-233.	0.2	1
157	Valorisation of Human Hair and Its Derivatives in Tissue Engineering: A Review. Tissue Engineering - Part C: Methods, 2022, , .	1.1	1
158	Women in Medical Physics and Biomedical Engineering: past, present and future. Health and Technology, 2022, 12, 655-662.	2.1	1
159	Development of a control system for laser doppler imaging scanning technique using LabVIEW. , 2005, , .		0
160	Analysis of Mass Distribution in Dengue Patients Using Bioelectrical Impedance. , 0, , .		0
161	Development of Tilt Table with Visual Feedback Function for Hemiplegia Patients. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4782-5.	0.5	0
162	Modeling of a micro-diaphragm biosensor for human artery pulse wave detection. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
163	Electromyographic activity using Elastic Resistance and Nautilus Machine exercises. , 2009, , .		0
164	Micro-diaphragm performance analysis for polyimide diaphragm. , 2010, , .		0
165	Effects of Variable External Resistance Exercises on Acute Neuromuscular and Hormonal Responses. Medicine and Science in Sports and Exercise, 2011, 43, 398.	0.2	0
166	Electro-acupuncture (EA) as an adjunct therapy to methadone maintenance treatment (MMT) in heroin addiction: A study of 2D EEG power spectral topography and Morlet wavelet. , 2012, , .		0
167	Mathematical frameworks to assess the dynamics of cerebral autoregulation. , 2012, , .		0
168	The effects of placement and geometry on thermo-pneumatic pumping on centrifugal microfluidic compact disc (CD) platforms. , 2012, , .		0
169	Optimization of ELISA buffers volume for CD-based microfluidic biosensors. , 2014, , .		0
170	Novel localized heating technique on centrifugal microfluidic disc with wireless temperature monitoring system. , 2015, 2015, 3217-20.		0
171	Liquid density effect on burst frequency in centrifugal microfluidic platforms. , 2015, 2015, 3221-4.		0
172	ADAPTIVE NEURO-FUZZY INFERENCE SYSTEM FOR PREDICTING ALPHA BAND POWER OF EEG DURING MUSLIM PRAYER (<i>SALAT</i>). Biomedical Engineering - Applications, Basis and Communications, 2016, 28, 1650043.	0.3	0
173	The Effect of a Different Motion Speed on the Induced Current in the Body of Female Nurses Working in the Vicinity of MRI Scanners. IFMBE Proceedings, 2016, , 237-242.	0.2	0
174	Electromechanical Piezoresistive Sensing of Graphene-based Intracranial Pressure Sensor. , 2018, , .		0
175	23 Arterial Stiffness and Falls in Older People: Cross-Sectional Data from the Malaysian Elders Longitudinal Research Study (MELoR). Age and Ageing, 2019, 48, iv6-iv8.	0.7	0
176	Development of a Microfluidic Vibrational Cleaning System for Cleaning Microtissues. IFMBE Proceedings, 2016, , 155-158.	0.2	0
177	An Effect of Magnetic Beads to Boesenbergia rotunda Antioxidant Activity Using Photoprotective Microfluidic CD. IFMBE Proceedings, 2018, , 139-144.	0.2	0
178	Optimization of the Amplicons Detection System of Loop-Mediated Isothermal Amplification on Microfluidic Compact Disk. IFMBE Proceedings, 2019, , 7-12.	0.2	0
179	Web Based Online Diagnosis for Erectile Dysfunction Using International Index of Erectile Function (IIEF). IFMBE Proceedings, 2008, , 762-765.	0.2	0