

# Fatimah Ibrahim

## List of Publications by Year in descending order

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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	Phase angle and diabetes in community-dwelling older adults: cross-sectional analysis from the Malaysian elders longitudinal research (MELoR) study. <i>European Journal of Clinical Nutrition</i> , 2022, 76, 680-684.	1.3	5
2	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
3	Valorisation of Human Hair and Its Derivatives in Tissue Engineering: A Review. <i>Tissue Engineering - Part C: Methods</i> , 2022, , .	1.1	1
4	Women in Medical Physics and Biomedical Engineering: past, present and future. <i>Health and Technology</i> , 2022, 12, 655-662.	2.1	1
5	Fabrication of a 3D carbon electrode for potential dielectrophoresis-based hepatic cell patterning application using carbon micro-electrical-mechanical system (CMEMS). <i>Journal of Micromechanics and Microengineering</i> , 2022, 32, 055005.	1.5	2
6	Optimization of Medication Delivery Drone with IoT-Guidance Landing System Based on Direction and Intensity of Light. <i>Sensors</i> , 2022, 22, 4272.	2.1	3
7	The impact of COVID-19 pandemic on gender-related work from home in STEM fields – Report of the WiMPBME Task Group. <i>Gender, Work and Organization</i> , 2021, 28, 378-396.	3.1	23
8	Modelling of Stem Cells Microenvironment Using Carbon-Based Scaffold for Tissue Engineering Application – A Review. <i>Polymers</i> , 2021, 13, 4058.	2.0	6
9	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. <i>Science and Engineering Ethics</i> , 2020, 26, 275-292.	1.7	25
10	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
11	Body shape, fear of falling, physical performance, and falls among individuals aged 55 years and above. <i>European Geriatric Medicine</i> , 2019, 10, 801-808.	1.2	2
12	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.	1.2	1
13	Elastic reversible valves on centrifugal microfluidic platforms. <i>Lab on A Chip</i> , 2019, 19, 1090-1100.	3.1	25
14	A reduced graphene oxide-titanium dioxide nanocomposite based electrochemical aptasensor for rapid and sensitive detection of <i>Salmonella enterica</i> . <i>Bioelectrochemistry</i> , 2019, 127, 136-144.	2.4	78
15	23 Arterial Stiffness and Falls in Older People: Cross-Sectional Data from the Malaysian Elders Longitudinal Research Study (MELoR). <i>Age and Ageing</i> , 2019, 48, iv6-iv8.	0.7	0
16	Microplasma direct writing for site-selective surface functionalization of carbon microelectrodes. <i>Microsystems and Nanoengineering</i> , 2019, 5, 62.	3.4	17
17	Carbon Nanomaterial-Based Electrochemical Biosensors for Foodborne Bacterial Detection. <i>Critical Reviews in Analytical Chemistry</i> , 2019, 49, 510-533.	1.8	74
18	Optimization of the Amplicons Detection System of Loop-Mediated Isothermal Amplification on Microfluidic Compact Disk. <i>IFMBE Proceedings</i> , 2019, , 7-12.	0.2	0

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19	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
20	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
21	Design optimisation of high sensitivity MEMS piezoresistive intracranial pressure sensor using Taguchi approach. <i>Microsystem Technologies</i> , 2018, 24, 2637-2652.	1.2	16
22	Load deflection analysis of rectangular graphene diaphragm for MEMS intracranial pressure sensor applications. <i>Microsystem Technologies</i> , 2018, 24, 1147-1152.	1.2	6
23	Potential applications of human artificial skin and electronic skin (e-skin): a review. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2018, 7, 53-64.	0.7	26
24	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
25	Electromechanical Piezoresistive Sensing of Graphene-based Intracranial Pressure Sensor. , 2018, , .		0
26	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
27	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>). <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2018, 30, 1850029.	0.3	1
28	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
29	Carbon nanotube-based aptasensor for sensitive electrochemical detection of whole-cell Salmonella. <i>Analytical Biochemistry</i> , 2018, 554, 34-43.	1.1	82
30	A Microfluidic Lab-on-a-Disc (LOD) for Antioxidant Activities of Plant Extracts. <i>Micromachines</i> , 2018, 9, 140.	1.4	8
31	The Importance of Some Plant Extracts as Skin Anti-aging Resources: A Review. <i>Current Pharmaceutical Biotechnology</i> , 2018, 18, 864-876.	0.9	30
32	An Effect of Magnetic Beads to <i>Boesenbergia rotunda</i> Antioxidant Activity Using Photoprotective Microfluidic CD. <i>IFMBE Proceedings</i> , 2018, , 139-144.	0.2	0
33	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
34	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
35	Investigation of brain electrophysiological properties among heroin addicts: Quantitative EEG and event-related potentials. <i>Journal of Neuroscience Research</i> , 2017, 95, 1633-1646.	1.3	21
36	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

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37	A 3-coil wireless power transfer system with fine tuned power amplifier for biomedical capsule. , 2017, , .		4
38	Dielectrophoresis for Biomedical Sciences Applications: A Review. Sensors, 2017, 17, 449.	2.1	147
39	Bioimpedance Vector Analysis in Diagnosing Severe and Non-Severe Dengue Patients. Sensors, 2016, 16, 911.	2.1	4
40	Neuroelectrophysiological approaches in heroin addiction research: A review of literatures. Journal of Neuroscience Research, 2016, 94, 297-309.	1.3	22
41	Discriminating dengueâ€infectected hepatic cells (WRLâ€68) using dielectrophoresis. Electrophoresis, 2016, 37, 511-518.	1.3	13
42	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
43	Residual stress of graphene-based MEMS ICP piezoresistive pressure sensors. , 2016, , .		2
44	Design of a high sensitivity MEMS piezoresistive intracranial pressure sensor using three turns meander shaped piezoresistors. , 2016, , .		5
45	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
46	Effects of Muslims praying (Salat) on EEG gamma activity. Complementary Therapies in Clinical Practice, 2016, 24, 6-10.	0.7	13
47	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
48	Design of graphene-based MEMS intracranial pressure sensor. , 2016, , .		4
49	Resonant inductive power transfer system for freely moving capsule endoscope with highly uniform magnetic field. , 2016, , .		6
50	Acupuncture therapy for drug addiction. Chinese Medicine, 2016, 11, 16.	1.6	33
51	Optimization of CNT Based MEMS Piezoresistive Pressure Sensor for Intracranial Pressure Monitoring. IFMBE Proceedings, 2016, , 57-61.	0.2	1
52	A microfluidic lab-on-a-disc integrated loop mediated isothermal amplification for foodborne pathogen detection. Sensors and Actuators B: Chemical, 2016, 227, 600-609.	4.0	114
53	A New Approach for Reagent Storage-Releasing on Centrifugal Microfluidic Platforms Using Bubblewrap and Latex Membrane. IFMBE Proceedings, 2016, , 269-271.	0.2	2
54	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

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55	Current Optical Biosensors in Clinical Practice. SpringerBriefs in Applied Sciences and Technology, 2016, , 1-12.	0.2	1
56	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
57	Graphene Hydrogel Novel Nanostructure as a Scaffold. IFMBE Proceedings, 2016, , 99-102.	0.2	3
58	Ictal EEG Source Imaging for Presurgical Evaluation of Refractory Focal Epilepsy. World Neurosurgery, 2016, 88, 576-585.	0.7	16
59	Novel Polymeric Biochips for Enhanced Detection of Infectious Diseases. SpringerBriefs in Applied Sciences and Technology, 2016, , .	0.2	3
60	Application of Biochips in Dengue Virus Detection. SpringerBriefs in Applied Sciences and Technology, 2016, , 39-47.	0.2	2
61	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
62	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
63	An Alternative Chemical Approach for Development of Polymeric Analytical Platforms. SpringerBriefs in Applied Sciences and Technology, 2016, , 13-21.	0.2	1
64	Biochips Fabrication and Surface Characterization. SpringerBriefs in Applied Sciences and Technology, 2016, , 23-37.	0.2	1
65	Development of a Microfluidic Vibrational Cleaning System for Cleaning Microtissues. IFMBE Proceedings, 2016, , 155-158.	0.2	0
66	Novel localized heating technique on centrifugal microfluidic disc with wireless temperature monitoring system. , 2015, 2015, 3217-20.		0
67	Microsphere integrated microfluidic disk: synergy of two techniques for rapid and ultrasensitive dengue detection. Scientific Reports, 2015, 5, 16485.	1.6	33
68	Using Rasch model to analyze the ability of pre-university students in vector. AIP Conference Proceedings, 2015, , .	0.3	1
69	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
70	Design and Development of Micro-Power Generating Device for Biomedical Applications of Lab-on-a-Disc. PLoS ONE, 2015, 10, e0136519.	1.1	14
71	Liquid density effect on burst frequency in centrifugal microfluidic platforms. , 2015, 2015, 3221-4.		0
72	Performance evaluation of power transmission coils for powering endoscopic wireless capsules. , 2015, 2015, 2263-6.		2

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73	Development of novel passive check valves for the microfluidic CD platform. Sensors and Actuators A: Physical, 2015, 222, 245-254.	2.0	37
74	Guided routing on spinning microfluidic platforms. RSC Advances, 2015, 5, 8669-8679.	1.7	10
75	Biosensing enhancement of dengue virus using microballoon mixers on centrifugal microfluidic platforms. Biosensors and Bioelectronics, 2015, 67, 424-430.	5.3	38
76	Polymethacrylate coated electrospun PHB fibers: An exquisite outlook for fabrication of paper-based biosensors. Biosensors and Bioelectronics, 2015, 69, 257-264.	5.3	47
77	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
78	Development of a Passive Liquid Valve (PLV) Utilizing a Pressure Equilibrium Phenomenon on the Centrifugal Microfluidic Platform. Sensors, 2015, 15, 4658-4676.	2.1	13
79	Reversible thermo-pneumatic valves on centrifugal microfluidic platforms. Lab on A Chip, 2015, 15, 3358-3369.	3.1	32
80	The Application of Biomedical Engineering Techniques to the Diagnosis and Management of Tropical Diseases: A Review. Sensors, 2015, 15, 6947-6995.	2.1	32
81	A Colorimetric Enzyme-Linked Immunosorbent Assay (ELISA) Detection Platform for a Point-of-Care Dengue Detection System on a Lab-on-Compact-Disc. Sensors, 2015, 15, 11431-11441.	2.1	96
82	Aging effect and antibody immobilization on COOH exposed surfaces designed for dengue virus detection. Biochemical Engineering Journal, 2015, 99, 183-192.	1.8	28
83	Polypyrrole conducting polymer and its application in removal of copper ions from aqueous solution. Materials Letters, 2015, 149, 77-80.	1.3	40
84	A novel approach for application of nylon membranes in the biosensing domain. Applied Surface Science, 2015, 353, 1310-1319.	3.1	13
85	Using finite state machine and a hybrid of EEG signal and EOG artifacts for an asynchronous wheelchair navigation. Expert Systems With Applications, 2015, 42, 2451-2463.	4.4	33
86	Lab-on-a-chip particles manipulation for point-of-care diagnostic systems utilizing dielectrophoresis. , 2014, , .		1
87	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
88	Cell Patterning for Liver Tissue Engineering via Dielectrophoretic Mechanisms. Sensors, 2014, 14, 11714-11734.	2.1	16
89	Dielectrophoretic Manipulation and Separation of Microparticles Using Microarray Dot Electrodes. Sensors, 2014, 14, 6356-6369.	2.1	56
90	A wireless power transmission system for robotic capsule endoscopy: Design and optimization. , 2014, , .		9

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91	Application of Wireless Power Transmission Systems in Wireless Capsule Endoscopy: An Overview. <i>Sensors</i> , 2014, 14, 10929-10951.	2.1	72
92	Smartphone-Based Solutions for Fall Detection and Prevention: Challenges and Open Issues. <i>Sensors</i> , 2014, 14, 7181-7208.	2.1	178
93	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
94	Analysis of MEMS diaphragm of piezoresistive intracranial pressure sensor. , 2014, , .		6
95	Preparation and characterization of MWCNT dispersed in various solutions. , 2014, , .		2
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. <i>Polymer Testing</i> , 2014, 40, 273-279.	2.3	7
97	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
98	Classification of reflected signals from cavitated tooth surfaces using an artificial intelligence technique incorporating a fiber optic displacement sensor. <i>Journal of Biomedical Optics</i> , 2014, 19, 057009.	1.4	3
99	Latex micro-balloon pumping in centrifugal microfluidic platforms. <i>Lab on A Chip</i> , 2014, 14, 988.	3.1	58
100	Recent advances in surface functionalization techniques on polymethacrylate materials for optical biosensor applications. <i>Analyst</i> , The, 2014, 139, 2933.	1.7	76
101	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
102	Gating valve on spinning microfluidic platforms: A flow switch/control concept. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 149-158.	4.0	21
103	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
104	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
105	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
106	Optimization of ELISA buffers volume for CD-based microfluidic biosensors. , 2014, , .		0
107	Fabrication of interdigitated electrodes (IDE's) by conventional photolithography technique for pH measurement using micro-gap structure. , 2014, , .		11
108	Effect of isothermal annealing on structural, morphological, optical and electrical properties of N-type $\text{TiO}_2$ thin films. , 2014, , .		5

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109	Polyacrylate spin-coated surfaces with controllable functionality: Potential biochips for diagnostic devices. , 2014, , .		1
110	Validation of multiple frequency bioimpedance analyzer using biological phantom. , 2014, , .		1
111	Theoretical development and critical analysis of burst frequency equations for passive valves on centrifugal microfluidic platforms. Medical and Biological Engineering and Computing, 2013, 51, 525-535.	1.6	47
112	Push pull microfluidics on a multi-level 3D CD. Lab on A Chip, 2013, 13, 3199.	3.1	34
113	Electrical analysis of amorphous corn starch-based polymer electrolyte membranes doped with Lil. Physica Scripta, 2013, 88, 025601.	1.2	68
114	Development of Automated Image Stitching System for Radiographic Images. Journal of Digital Imaging, 2013, 26, 361-370.	1.6	25
115	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
116	Microarray Dot Electrodes Utilizing Dielectrophoresis for Cell Characterization. Sensors, 2013, 13, 9029-9046.	2.1	20
117	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
118	Novel liquid equilibrium valving on centrifugal microfluidic CD platform. , 2013, 2013, 5509-12.		1
119	Multi-level 3D implementation of thermo-pneumatic pumping on centrifugal microfluidic CD platforms. , 2013, 2013, 5513-6.		1
120	Assessment of Heart Rates and Blood Pressure in Different &lt;i>&gt;Salat&lt;/i> Positions. Journal of Physical Therapy Science, 2013, 25, 211-214.	0.2	9
121	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
122	Muslim Prayer Movements as an Alternative Therapy in the Treatment of Erectile Dysfunction: A Preliminary Study. Journal of Physical Therapy Science, 2013, 25, 1087-1091.	0.2	12
123	Effect of Orofacial Myofunctional Exercise Using an Oral Rehabilitation Tool on Labial Closure Strength, Tongue Elevation Strength and Skin Elasticity. Journal of Physical Therapy Science, 2013, 25, 11-14.	0.2	13
124	Vacuum/Compression Valving (VCV) Using Parrafin-Wax on a Centrifugal Microfluidic CD Platform. PLoS ONE, 2013, 8, e58523.	1.1	54
125	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
126	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



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127	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
128	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
129	A numerical analysis of electric field strength over planar microarray dot electrode for dielectrophoretic lab-on-chip device. , 2012, , .		3
130	Mathematical frameworks to assess the dynamics of cerebral autoregulation. , 2012, , .		0
131	Assessment of upper body muscle activity during salat and stretching exercise: A pilot study. , 2012, , .		7
132	Investigation of electromyographic activity during Salat and stretching exercise. , 2012, , .		8
133	The effects of placement and geometry on thermo-pneumatic pumping on centrifugal microfluidic compact disc (CD) platforms. , 2012, , .		0
134	A Comparative Approach to ECG Feature Extraction Methods. , 2012, , .		19
135	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
136	Neural network diagnostic system for dengue patients risk classification. Journal of Medical Systems, 2012, 36, 661-676.	2.2	16
137	Adaptive Neuro-Fuzzy Inference System for diagnosis risk in dengue patients. Expert Systems With Applications, 2012, 39, 4483-4495.	4.4	43
138	EEG Spectral Analysis on Muslim Prayers. Applied Psychophysiology Biofeedback, 2012, 37, 11-18.	1.0	43
139	Blind user indoor environment mapping system for self-localization. , 2011, , .		1
140	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
141	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
142	Development of a Kidney TeleUltrasound Consultation System. Journal of Digital Imaging, 2011, 24, 308-313.	1.6	3
143	An efficient low-cost real-time brain computer interface system based on SSVEP. IEICE Electronics Express, 2010, 7, 326-331.	0.3	3
144	Reexamination of risk criteria in dengue patients using the self-organizing map. Medical and Biological Engineering and Computing, 2010, 48, 293-301.	1.6	12

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145	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
146	A noninvasive intelligent approach for predicting the risk in dengue patients. Expert Systems With Applications, 2010, 37, 2175-2181.	4.4	27
147	Analysis and experiment of centrifugal force for microfluidic ELISA CD platform. , 2010, , .		12
148	Development of a low-cost and portable device controller for point-of-care medical diagnostics. , 2010, , .		2
149	Micro-diaphragm performance analysis for polyimide diaphragm. , 2010, , .		0
150	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
151	Evaluation of pressure changes for Capillary and Fishbone valves in Lab-on-CD systems. , 2009, , .		2
152	Binding characteristics study for dengue virus non-structural protein 1 of Antigen and its antibody by using circular dichroism technique. , 2009, , .		3
153	AR modeling as EEG spectral analysis on prostration. , 2009, , .		15
154	Lab-on-a-disk as a potential microfluidic platform for dengue NS1-ELISA. , 2009, , .		9
155	Modeling of a polyimide diaphragm for an optical pulse pressure sensor. , 2009, , .		3
156	Electromyographic activity using Elastic Resistance and Nautilus Machine exercises. , 2009, , .		0
157	Determination of the Bioimpedance Analysis Parameters in Dengue Patients Using the Self Organizing Map. IFMBE Proceedings, 2008, , 170-173.	0.2	1
158	Monitoring haemoglobin status in dengue patients using ARMAX model. , 2008, , .		1
159	Model order selection criterion for monitoring haemoglobin status in dengue patients using ARX model. , 2008, , .		5
160	Modeling of a micro-diaphragm biosensor for human artery pulse wave detection. , 2008, , .		0
161	Analysis of significant factors for dengue infection prognosis using the self organizing map. , 2008, 2008, 5140-3.		7
162	Study of Heart Rate Changes in Different Salatâ€™s Positions. IFMBE Proceedings, 2008, , 687-690.	0.2	6

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163	Flexion Relaxation Phenomenon of Back Muscles in Discriminating Between Healthy and Chronic Low Back Pain Women. IFMBE Proceedings, 2008, , 199-203.	0.2	3
164	Preliminary Study: The Impact of Moderate Exercises on Biomechanical Response of the Humans Muscles. IFMBE Proceedings, 2008, , 449-452.	0.2	3
165	Web Based Online Diagnosis for Erectile Dysfunction Using International Index of Erectile Function (IIEF). IFMBE Proceedings, 2008, , 762-765.	0.2	0
166	Review on Technical Aspects of Image Acquisition, Analysis and Retrieval for Leukaemia Cells. IFMBE Proceedings, 2008, , 230-233.	0.2	1
167	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
168	Two electrodes low voltage input EEG amplifier for brain-computer-interface. , 2007, , .		3
169	Development of a steady state visual evoked potential (SSVEP)-based brain computer interface (BCI) system. , 2007, , .		18
170	Classification of Risk in Dengue Fever and Dengue Haemorrhagic Fever using Rule Based Expert System. IFMBE Proceedings, 2007, , 50-53.	0.2	2
171	Intelligent classification of electrocardiogram (ECG) signal using extended Kalman Filter (EKF) based neuro fuzzy system. Computer Methods and Programs in Biomedicine, 2006, 82, 157-168.	2.6	39
172	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
173	Analysis of Water Compartment in Dengue Patients. , 2005, 2005, 4130-3.		4
174	A novel dengue fever (DF) and dengue haemorrhagic fever (DHF) analysis using artificial neural network (ANN). Computer Methods and Programs in Biomedicine, 2005, 79, 273-281.	2.6	54
175	Development of a control system for laser doppler imaging scanning technique using LabVIEW. , 2005, , .		0
176	Modeling of hemoglobin in dengue fever and dengue hemorrhagic fever using bioelectrical impedance. Physiological Measurement, 2004, 25, 607-615.	1.2	24
177	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
178	Analysis of Mass Distribution in Dengue Patients Using Bioelectrical Impedance. , 0, , .		0
179	Bioelectrical Impedance Analysis in Assessing the Chances of Obtaining Coronary Heart Disease in Obese Subjects. , 0, , .		1