

List of Publications by Year in
Descending Order

Source: <https://exaly.com/author-pdf/5124747/e-y-k-ng-publications-by-year.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

364 papers	7,854 citations	47 h-index	75 g-index
409 ext. papers	9,298 ext. citations	2.7 avg, IF	6.57 L-index

#	Paper	IF	Citations
364	Evaluation of three potential machine learning algorithms for predicting the velocity and turbulence intensity of a wind turbine wake. <i>Renewable Energy</i> , 2022 , 184, 405-420	8.1	4
363	Early detection of the breast cancer using infrared technology [A comprehensive review]. <i>Thermal Science and Engineering Progress</i> , 2022 , 27, 101142	3.6	2
362	Thermal elevation on midriff skin surface as a potential diagnostic feature for Abdominal Aortic Aneurysm using Infrared Thermography (IRT). <i>International Journal of Thermal Sciences</i> , 2022 , 172, 107305	4.1	1
361	Aerodynamic comparison of slotted and non-slotted diffuser casings for Diffuser Augmented Wind Turbines (DAWT). <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 161, 112316	16.2	1
360	High-Fidelity 2-Way FSI Simulation of a Wind Turbine Using Fully Structured Multiblock Meshes in OpenFoam for Accurate Aero-Elastic Analysis. <i>Fluids</i> , 2022 , 7, 169	1.6	0
359	Explainable detection of myocardial infarction using deep learning models with Grad-CAM technique on ECG signals.. <i>Computers in Biology and Medicine</i> , 2022 , 146, 105550	7	6
358	Model for Cryogenic Flashing LNG Leak. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9312	2.6	1
357	A method to produce high contrast vein visualization in active dynamic thermography (ADT). <i>Computers in Biology and Medicine</i> , 2021 , 132, 104309	7	3
356	PREFACE: A SPECIAL ISSUE ON MACHINE LEARNING APPLICATIONS IN HUMAN HEALTH ASSESSMENT. <i>Journal of Mechanics in Medicine and Biology</i> , 2021 , 21, 2102001	0.7	
355	Automated detection of coronary artery disease, myocardial infarction and congestive heart failure using GaborCNN model with ECG signals. <i>Computers in Biology and Medicine</i> , 2021 , 134, 104457	7	12
354	A Deep Segmentation Network of Multi-Scale Feature Fusion Based on Attention Mechanism for IVOCT Lumen Contour. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , 18, 62-69	3	13
353	Thermal modeling for breast tumor detection using thermography. <i>International Journal of Thermal Sciences</i> , 2021 , 161, 106712	4.1	1
352	Evaluation of Neck Tissue Heat Transfer in Case of Stenosis in the Carotid Artery 2021 , 403-407		
351	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 1-1	4.7	8
350	Patient/Breast-Specific Detection of Breast Tumor Based on Patients' Thermograms, 3D Breast Scans, and Reverse Thermal Modelling. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6565	2.6	0
349	Transfer learning-based approach for detecting COVID-19 ailment in lung CT scan. <i>Computers in Biology and Medicine</i> , 2021 , 135, 104575	7	14
348	Automated detection of glaucoma using elongated quinary patterns technique with optical coherence tomography angiogram images. <i>Biomedical Signal Processing and Control</i> , 2021 , 69, 102895	4.9	1

347	On the Accuracy of uRANS and LES-Based CFD Modeling Approaches for Rotor and Wake Aerodynamics of the (New) MEXICO Wind Turbine Rotor Phase-III. <i>Energies</i> , 2021 , 14, 5198	3.1	4
346	Cardiac thermal pulse at the neck-skin surface as a measure of stenosis in the carotid artery. <i>Thermal Science and Engineering Progress</i> , 2020 , 19, 100603	3.6	3
345	Analysis of transport methodologies for pollutant dispersion modelling in urban environments. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103937	6.8	0
344	Altered Patterns of Functional Connectivity and Causal Connectivity in Salience Subnetwork of Subjective Cognitive Decline and Amnestic Mild Cognitive Impairment. <i>Frontiers in Neuroscience</i> , 2020 , 14, 288	5.1	10
343	A Comparative Study of Biomechanical and Geometrical Attributes of Abdominal Aortic Aneurysms in the Asian and Caucasian Populations. <i>Journal of Biomechanical Engineering</i> , 2020 , 142,	2.1	2
342	A Special Section on Emerging Techniques for Biomedical Imaging. <i>Journal of Medical Imaging and Health Informatics</i> , 2020 , 10, 2660-2662	1.2	3
341	An Open-Access Long-Term Wearable ECG Database for Premature Ventricular Contractions and Supraventricular Premature Beat Detection. <i>Journal of Medical Imaging and Health Informatics</i> , 2020 , 10, 2663-2667	1.2	6
340	A Special Section on Emerging Techniques for Biomedical ImagingPart 3. <i>Journal of Medical Imaging and Health Informatics</i> , 2020 , 10, 610-613	1.2	3
339	PREFACE: A SPECIAL SELECTION ON MECHANICAL ENGINEERING APPLIED TO BIOMEDICINE □ PART I. <i>Journal of Mechanics in Medicine and Biology</i> , 2020 , 20, 2002001	0.7	0
338	A Special Section on Machine Intelligence Applied to Bioinformatics and Statistical Analysis. <i>Journal of Medical Imaging and Health Informatics</i> , 2020 , 10, 1216-1218	1.2	
337	A New Transfer Function for Volume Visualization of Aortic Stent and Its Application to Virtual Endoscopy. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2020 , 16, 1-14 ³⁻⁴	3.4	1
336	PREFACE: A SPECIAL SELECTION ON MECHANICAL ENGINEERING APPLIED TO BIOMEDICINE □ PART II. <i>Journal of Mechanics in Medicine and Biology</i> , 2020 , 20, 2002002	0.7	0
335	A computational intelligence tool for the detection of hypertension using empirical mode decomposition. <i>Computers in Biology and Medicine</i> , 2020 , 118, 103630	7	16
334	Skin temperature maps as a measure of carotid artery stenosis. <i>Computers in Biology and Medicine</i> , 2020 , 116, 103548	7	6
333	New analytical wake models based on artificial intelligence and rivalling the benchmark full-rotor CFD predictions under both uniform and ABL inflows. <i>Energy</i> , 2020 , 193, 116761	7.9	8
332	Automated diagnostic tool for hypertension using convolutional neural network. <i>Computers in Biology and Medicine</i> , 2020 , 126, 103999	7	12
331	Survey of numerical bioheat transfer modelling for accurate skin surface measurements. <i>Thermal Science and Engineering Progress</i> , 2020 , 20, 100681	3.6	5
330	Inverse thermal modeling and experimental validation for breast tumor detection by using highly personalized surface thermal patterns and geometry of the breast. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020 , 095440622097059	1.3	1

329	HEALTH OF THINGS MODEL FOR CLASSIFYING HUMAN HEART SOUND SIGNALS USING CO-OCCURRENCE MATRIX AND SPECTROGRAM. <i>Journal of Mechanics in Medicine and Biology</i> , 2020 , 20, 2050040	0.7	2
328	CFD simulation of dense gas dispersion in neutral atmospheric boundary layer with OpenFOAM. <i>Meteorology and Atmospheric Physics</i> , 2020 , 132, 273-285	2	3
327	Active dynamic thermography to detect the presence of stenosis in the carotid artery. <i>Computers in Biology and Medicine</i> , 2020 , 120, 103718	7	7
326	A Nine Months Follow-up Study of Hemodynamic Effect on Bioabsorbable Coronary Stent Implantation. <i>IEEE Access</i> , 2019 , 7, 112564-112571	3.5	0
325	Adaptive discretisation and dual-rate time-stepping of mooring cable dynamics. <i>Ocean Engineering</i> , 2019 , 188, 106275	3.9	0
324	Computer-aided diagnosis for the identification of breast cancer using thermogram images: A comprehensive review. <i>Infrared Physics and Technology</i> , 2019 , 102, 103041	2.7	22
323	Tc-MAG diuresis renography in differentiating renal obstruction: Using statistical parameters as new quantifiable indices. <i>Computers in Biology and Medicine</i> , 2019 , 112, 103371	7	
322	Imaging modalities to diagnose carotid artery stenosis: progress and prospect. <i>BioMedical Engineering OnLine</i> , 2019 , 18, 66	4.1	39
321	A New Pulse Coupled Neural Network (PCNN) for Brain Medical Image Fusion Empowered by Shuffled Frog Leaping Algorithm. <i>Frontiers in Neuroscience</i> , 2019 , 13, 210	5.1	32
320	Study on methods to extract high contrast image in active dynamic thermography. <i>Quantitative InfraRed Thermography Journal</i> , 2019 , 16, 243-259	1.1	5
319	Picosecond laser drilling of silicon with applied voltage. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	3
318	Rapid extraction of the hottest or coldest regions of medical thermographic images. <i>Medical and Biological Engineering and Computing</i> , 2019 , 57, 379-388	3.1	12
317	Effect of different atmospheric boundary layers on the wake characteristics of NREL phase VI wind turbine. <i>Renewable Energy</i> , 2019 , 130, 1185-1197	8.1	15
316	A Clustering Based Transfer Function for Volume Rendering Using Gray-Gradient Mode Histogram. <i>IEEE Access</i> , 2019 , 7, 80737-80747	3.5	1
315	Automatic Detection Approach for Bioresorbable Vascular Scaffolds Using a U-Shaped Convolutional Neural Network. <i>IEEE Access</i> , 2019 , 7, 94424-94430	3.5	6
314	Effect of carotid artery stenosis on neck skin tissue heat transfer. <i>International Journal of Thermal Sciences</i> , 2019 , 145, 106010	4.1	8
313	A one-dimensional stage un-stacking approach to reveal flow angles and speeds in a multistage axial compressor at the design operating point. <i>Mechanics and Industry</i> , 2019 , 20, 107	0.8	
312	Infrared (IR) thermography as a potential screening modality for carotid artery stenosis. <i>Computers in Biology and Medicine</i> , 2019 , 113, 103419	7	16

311	Automated detection of glaucoma using optical coherence tomography angiogram images. <i>Computers in Biology and Medicine</i> , 2019 , 115, 103483	7	7
310	Infrared (IR) thermography-based quantitative parameters to predict the risk of post-operative cancerous breast resection flap necrosis. <i>Infrared Physics and Technology</i> , 2019 , 103, 103063	2.7	8
309	SVR ensemble-based continuous blood pressure prediction using multi-channel photoplethysmogram. <i>Computers in Biology and Medicine</i> , 2019 , 113, 103392	7	12
308	A Special Section on Approaches and Techniques for Biomedical ImagingPart 3. <i>Journal of Medical Imaging and Health Informatics</i> , 2019 , 9, 43-46	1.2	4
307	A Special Section on Approaches and Techniques for Biomedical ImagingPart 1. <i>Journal of Medical Imaging and Health Informatics</i> , 2019 , 9, 1415-1417	1.2	5
306	An Open-Access ECG Database for Algorithm Evaluation of QRS Detection and Heart Rate Estimation. <i>Journal of Medical Imaging and Health Informatics</i> , 2019 , 9, 1853-1858	1.2	14
305	A Special Section on Approaches and Techniques for Biomedical ImagingPart 2. <i>Journal of Medical Imaging and Health Informatics</i> , 2019 , 9, 1849-1852	1.2	5
304	When Siri Knows How You Feel: Study of Machine Learning in Automatic Sentiment Recognition from Human Speech. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 591-602	0.4	
303	PREFACE: A SPECIAL SELECTION ON BIOMECHANICS IN MEDICAL APPLICATIONS-PART II. <i>Journal of Mechanics in Medicine and Biology</i> , 2019 , 19, 1902004	0.7	0
302	Patient-Specific Coronary Artery 3D Printing Based on Intravascular Optical Coherence Tomography and Coronary Angiography. <i>Complexity</i> , 2019 , 2019, 1-10	1.6	12
301	PREFACE: A SPECIAL SELECTION ON BIOMECHANICS IN MEDICAL APPLICATION - PART I. <i>Journal of Mechanics in Medicine and Biology</i> , 2019 , 19, 1902003	0.7	
300	Pyramidal Optical Flow Method-Based Lightweight Monocular 3D Vascular Point Cloud Reconstruction. <i>IEEE Access</i> , 2019 , 7, 167420-167428	3.5	
299	An Early Diagnosis of Oral Cancer based on Three-Dimensional Convolutional Neural Networks. <i>IEEE Access</i> , 2019 , 7, 158603-158611	3.5	19
298	An IoT-Based Framework of Webvr Visualization for Medical Big Data in Connected Health. <i>IEEE Access</i> , 2019 , 7, 173866-173874	3.5	12
297	Automated beat-wise arrhythmia diagnosis using modified U-net on extended electrocardiographic recordings with heterogeneous arrhythmia types. <i>Computers in Biology and Medicine</i> , 2019 , 105, 92-101	7	67
296	Numerical study of the dynamic response of a wind turbine on a tension leg platform with a coupled partitioned six degree-of-freedom rigid body motion solver. <i>Ocean Engineering</i> , 2019 , 172, 575-582	3.0	2
295	Automated characterization of diabetic foot using nonlinear features extracted from thermograms. <i>Infrared Physics and Technology</i> , 2018 , 89, 325-337	2.7	27
294	A Beddoes-LeishmanType model with an optimization-based methodology and airfoil shape parameters. <i>Wind Energy</i> , 2018 , 21, 590-603	3.4	5

293	Thermographic venous blood flow characterization with external cooling stimulation. <i>Infrared Physics and Technology</i> , 2018 , 90, 8-19	2.7	15
292	Single image reconstruction in active dynamic thermography: A novel approach. <i>Infrared Physics and Technology</i> , 2018 , 93, 53-58	2.7	10
291	Combining Convolutional Neural Network and Distance Distribution Matrix for Identification of Congestive Heart Failure. <i>IEEE Access</i> , 2018 , 6, 39734-39744	3.5	21
290	On the assessment of abdominal aortic aneurysm rupture risk in the Asian population based on geometric attributes. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018 , 232, 922-929	1.7	7
289	Application of Fluid-Structure Interaction Methods to Estimate the Mechanics of Rupture in Asian Abdominal Aortic Aneurysms. <i>BioNanoScience</i> , 2018 , 8, 1035-1044	3.4	13
288	Automated diagnosis of arrhythmia using combination of CNN and LSTM techniques with variable length heart beats. <i>Computers in Biology and Medicine</i> , 2018 , 102, 278-287	7	296
287	Automated detection of diabetic foot with and without neuropathy using double density-dual tree-complex wavelet transform on foot thermograms. <i>Infrared Physics and Technology</i> , 2018 , 92, 270-279	2.7	13
286	A Special Issue on Methods and Application in Biomedical Imaging Part 3. <i>Journal of Medical Imaging and Health Informatics</i> , 2018 , 8, 1-4	1.2	8
285	A Special Section on Methods and Application in Biomedical Imaging Part 1. <i>Journal of Medical Imaging and Health Informatics</i> , 2018 , 8, 1364-1367	1.2	8
284	A Special Section on Methods and Application in Biomedical Imaging Part 2. <i>Journal of Medical Imaging and Health Informatics</i> , 2018 , 8, 1607-1610	1.2	4
283	Steady and Pulsating Flow Past a Heated Rectangular Cylinder(s) in a Channel. <i>Journal of Thermophysics and Heat Transfer</i> , 2018 , 32, 401-413	1.3	5
282	Automated retinal health diagnosis using pyramid histogram of visual words and Fisher vector techniques. <i>Computers in Biology and Medicine</i> , 2018 , 92, 204-209	7	10
281	PREFACE: A SPECIAL SELECTION ON BIOLOGICAL APPLICATIONS OF MECHANICS - PART II. <i>Journal of Mechanics in Medicine and Biology</i> , 2018 , 18, 1802002	0.7	2
280	PREFACE: A SPECIAL SELECTION ON BIOLOGICAL APPLICATIONS OF MECHANICS PART II <i>Journal of Mechanics in Medicine and Biology</i> , 2018 , 18, 1802001	0.7	4
279	The effects of sea spray and atmosphere-wave coupling on air-sea exchange during a tropical cyclone. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 6001-6021	6.8	13
278	CFD-Based Postprocessing of CT-MRI Data to Determine the Mechanics of Rupture in Abdominal Aortic Aneurysms 2018 , 83-101		4
277	Numerical modelling of seabed impact effects on chain and small diameter mooring cables. <i>Applied Ocean Research</i> , 2018 , 80, 248-277	3.4	10
276	Sensors and Data Processing Techniques for Future Medicine. <i>Journal of Sensors</i> , 2018 , 2018, 1-2	2	

275	A CFD study on the performance of a tidal turbine under various flow and blockage conditions. <i>Renewable Energy</i> , 2017 , 107, 124-137	8.1	10
274	Potential of Infrared Imaging in Assessing Digestive Disorders. <i>Series in Bioengineering</i> , 2017 , 1-18	0.7	2
273	Registration of Contralateral Breasts Thermograms by Shape Context Technique. <i>Series in Bioengineering</i> , 2017 , 59-67	0.7	
272	An Overview of Medical Infrared Imaging in Breast Abnormalities Detection. <i>Series in Bioengineering</i> , 2017 , 45-57	0.7	2
271	Color Segmentation of Breast Thermograms: A Comparative Study. <i>Series in Bioengineering</i> , 2017 , 69-77	0.7	6
270	Physical mechanism and modeling of heat generation and transfer in magnetic fluid hyperthermia through Néelian and Brownian relaxation: a review. <i>BioMedical Engineering OnLine</i> , 2017 , 16, 36	4.1	88
269	Potential of Thermography in Pain Diagnosing and Treatment Monitoring. <i>Series in Bioengineering</i> , 2017 , 19-32	0.7	9
268	Assessment of Foot Complications in Diabetic Patients Using Thermography: A Review. <i>Series in Bioengineering</i> , 2017 , 33-43	0.7	9
267	Insight into stall delay and computation of 3D sectional aerofoil characteristics of NREL phase VI wind turbine using inverse BEM and improvement in BEM analysis accounting for stall delay effect. <i>Energy</i> , 2017 , 120, 518-536	7.9	20
266	Computer aided diagnosis of diabetic foot using infrared thermography: A review. <i>Computers in Biology and Medicine</i> , 2017 , 91, 326-336	7	42
265	SHOCKABLE VERSUS NONSHOCKABLE LIFE-THREATENING VENTRICULAR ARRHYTHMIAS USING DWT AND NONLINEAR FEATURES OF ECG SIGNALS. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740004	0.7	8
264	THE BIOPHYSICAL PARAMETER MEASUREMENTS FROM PPG SIGNAL. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740005	0.7	5
263	THE EFFECT OF DIABETES ON CARDIOVASCULAR SYSTEM. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740008	0.7	1
262	ALCOHOLIC INDEX USING NON-LINEAR FEATURES EXTRACTED FROM DIFFERENT FREQUENCY BANDS. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740009	0.7	
261	AUTOMATED IDENTIFICATION OF CORONARY ARTERY DISEASE FROM SHORT-TERM 12 LEAD ELECTROCARDIOGRAM SIGNALS BY USING WAVELET PACKET DECOMPOSITION AND COMMON SPATIAL PATTERN TECHNIQUES. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740007	0.7	8
260	PERFORMANCE EVALUATION OF DRY EYE DETECTION SYSTEM USING HIGHER-ORDER SPECTRA FEATURES FOR DIFFERENT NOISE LEVELS IN IR THERMAL IMAGES. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740010	0.7	1
259	Automated detection of retinal health using PHOG and SURF features extracted from fundus images. <i>Applied Intelligence</i> , 2017 , 48, 1379	4.9	9
258	Automatic segmentation of thermal images of diabetic-at-risk feet using the snakes algorithm. <i>Infrared Physics and Technology</i> , 2017 , 86, 66-76	2.7	16

257	Three-dimensional diastolic blood flow in the left ventricle. <i>Journal of Biomechanics</i> , 2017 , 50, 71-76	2.9	14
256	A Special Issue on Methods and Application in Biomedical ImagingPart 1. <i>Journal of Medical Imaging and Health Informatics</i> , 2017 , 7, 919-921	1.2	8
255	A Special Section on Methods and Applications in Biomedical ImagingPart 2. <i>Journal of Medical Imaging and Health Informatics</i> , 2017 , 7, 1522-1524	1.2	8
254	BIO/MICRO-ROLLING FABRICATION OF BIOLOGICAL SHARKSKIN MORPHOLOGY ON SEMI-CURED COATING AND DRAG FORCE EXPERIMENTAL RESEARCH. <i>Journal of Mechanics in Medicine and Biology</i> , 2016 , 16, 1650016	0.7	6
253	Strongly coupled partitioned six degree-of-freedom rigid body motion solver with Aitken's dynamic under-relaxation. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2016 , 8, 320-329	2.3	7
252	An integrated index for automated detection of infarcted myocardium from cross-sectional echocardiograms using texton-based features (Part 1). <i>Computers in Biology and Medicine</i> , 2016 , 71, 231-240	7.40	11
251	A REVIEW OF ECG-BASED DIAGNOSIS SUPPORT SYSTEMS FOR OBSTRUCTIVE SLEEP APNEA. <i>Journal of Mechanics in Medicine and Biology</i> , 2016 , 16, 1640004	0.7	34
250	Data mining framework for identification of myocardial infarction stages in ultrasound: A hybrid feature extraction paradigm (PART 2). <i>Computers in Biology and Medicine</i> , 2016 , 71, 241-51	7	18
249	Downwind offshore wind turbines: Opportunities, trends and technical challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 54, 797-808	16.2	48
248	Effects of Reynolds number and different tip loss models on the accuracy of BEM applied to tidal turbines as compared to experiments. <i>Ocean Engineering</i> , 2016 , 111, 104-115	3.9	16
247	A Special Section on Advanced Computing Techniques for Machine Learning and Data Mining in Medical Informatics. <i>Journal of Medical Imaging and Health Informatics</i> , 2016 , 6, 1052-1055	1.2	2
246	A Special Section on Biomedical Imaging in Diagnosis and Treatment IPart 2. <i>Journal of Medical Imaging and Health Informatics</i> , 2016 , 6, 1670-1672	1.2	8
245	A Special Section on Biomedical Imaging in Diagnosis and Treatment. <i>Journal of Medical Imaging and Health Informatics</i> , 2016 , 6, 1209-1211	1.2	8
244	Quantitative means for differentiating renal obstruction by analysing renography by compartmental modelling of renal fluid flow rate. <i>Nuclear Medicine Communications</i> , 2016 , 37, 904-10	1.6	1
243	Analytical gradient-based optimization of offshore wind turbine substructures under fatigue and extreme loads. <i>Marine Structures</i> , 2016 , 47, 23-41	3.8	45
242	INFARCTED LEFT VENTRICLE CLASSIFICATION FROM CROSS-SECTIONAL ECHOCARDIOGRAMS USING RELATIVE WAVELET ENERGY AND ENTROPY FEATURES. <i>Journal of Mechanics in Medicine and Biology</i> , 2016 , 16, 1640009	0.7	4
241	AUTOMATED DIAGNOSIS OF DIABETES USING ENTROPIES AND DIABETIC INDEX. <i>Journal of Mechanics in Medicine and Biology</i> , 2016 , 16, 1640008	0.7	4
240	An integrated index for breast cancer identification using histogram of oriented gradient and kernel locality preserving projection features extracted from thermograms. <i>Quantitative InfraRed Thermography Journal</i> , 2016 , 13, 195-209	1.1	28

239	COMPUTER AIDED DIAGNOSIS FOR CARDIOVASCULAR DISEASES BASED ON ECG SIGNALS: A SURVEY. <i>Journal of Mechanics in Medicine and Biology</i> , 2016 , 16, 1640001	0.7	10
238	Self-Cleaning and Superhydrophobic Surfaces 2016 , 1-43		
237	Treatments and Constructing Digital Model of Biological Shark Skin/Shark 2016 , 45-67		
236	Different Approaches to Manufacture Low Viscous Resistance Drag with Biomimetic Textures 2016 , 69-112		
235	Different Characteristic Analysis of Drag-Reducing Surface with Biological Morphology 2016 , 113-141		
234	Application of Biomimetic Shark Skin Surface in Natural Gas Pipelining 2016 , 143-184		
233	The stability of 30- μ m-diameter water jet for jet-guided laser machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 78, 939-946	3.2	13
232	Automated diagnosis of dry eye using infrared thermography images. <i>Infrared Physics and Technology</i> , 2015 , 71, 263-271	2.7	18
231	FLUID DYNAMIC CHARACTERISTICS OF SYSTOLIC BLOOD FLOW OF THE LEFT VENTRICLE. <i>Journal of Mechanics in Medicine and Biology</i> , 2015 , 15, 1550047	0.7	5
230	Quantification of the effect of electrical and thermal parameters on radiofrequency ablation for concentric tumour model of different sizes. <i>Journal of Thermal Biology</i> , 2015 , 51, 23-32	2.9	23
229	AUTOMATED CHARACTERIZATION AND DETECTION OF DIABETIC RETINOPATHY USING TEXTURE MEASURES. <i>Journal of Mechanics in Medicine and Biology</i> , 2015 , 15, 1550045	0.7	6
228	Decision support system for the glaucoma using Gabor transformation. <i>Biomedical Signal Processing and Control</i> , 2015 , 15, 18-26	4.9	92
227	CHEMICAL, MECHANICAL AND HYDRODYNAMIC PROPERTIES RESEARCH ON COMPOSITE DRAG REDUCTION SURFACE BASED ON BIOLOGICAL SHARKSKIN MORPHOLOGY AND MUCUS NANOLONG CHAIN. <i>Journal of Mechanics in Medicine and Biology</i> , 2015 , 15, 1550084	0.7	12
226	PREFACE A SPECIAL SELECTION ON BIOLOGICAL MECHANICS. <i>Journal of Mechanics in Medicine and Biology</i> , 2015 , 15, 1502002	0.7	8
225	Healthcare Engineering Defined: A White Paper. <i>Journal of Healthcare Engineering</i> , 2015 , 6, 635-47	3.7	23
224	A Review of Computational Methods to Predict the Risk of Rupture of Abdominal Aortic Aneurysms. <i>BioMed Research International</i> , 2015 , 2015, 861627	3	29
223	Computer-aided diagnosis of Myocardial Infarction using ultrasound images with DWT, GLCM and HOS methods: A comparative study. <i>Computers in Biology and Medicine</i> , 2015 , 62, 86-93	7	48
222	Theoretical study of pre-formed hole geometries on femtosecond pulse energy distribution in laser drilling. <i>Optics Express</i> , 2015 , 23, 4927-34	3.3	14

221	Optimization of Offshore Wind Turbine Support Structures Using an Analytical Gradient-based Method. <i>Energy Procedia</i> , 2015 , 80, 100-107	2.3	16
220	An investigation of dentinal fluid flow in dental pulp during food mastication: simulation of fluid-structure interaction. <i>Biomechanics and Modeling in Mechanobiology</i> , 2014 , 13, 527-35	3.8	19
219	Automated diagnosis of Age-related Macular Degeneration using greyscale features from digital fundus images. <i>Computers in Biology and Medicine</i> , 2014 , 53, 55-64	7	36
218	Computer-aided diabetic retinopathy detection using trace transforms on digital fundus images. <i>Medical and Biological Engineering and Computing</i> , 2014 , 52, 663-72	3.1	35
217	Application of infrared thermography in computer aided diagnosis. <i>Infrared Physics and Technology</i> , 2014 , 66, 160-175	2.7	57
216	Three-dimensional CFD/MRI modeling reveals that ventricular surgical restoration improves ventricular function by modifying intraventricular blood flow. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2014 , 30, 1044-56	2.6	22
215	Higher order spectra analysis of breast thermograms for the automated identification of breast cancer. <i>Expert Systems</i> , 2014 , 31, 37-47	2.1	28
214	Actuator disc modelling based on aerodynamic data extraction from direct rotor modelling of the NREL Phase VI turbine. <i>Progress in Computational Fluid Dynamics</i> , 2014 , 14, 352	0.7	
213	Using shape contexts method for registration of contra lateral breasts in thermal images. <i>World Journal of Clinical Oncology</i> , 2014 , 5, 1055-9	2.5	2
212	INFLUENCE OF MORPHOLOGY FOR DRAG REDUCTION EFFECT OF SHARKSKIN SURFACE. <i>Journal of Mechanics in Medicine and Biology</i> , 2014 , 14, 1450029	0.7	20
211	PREFACE A SPECIAL SELECTION ON BIOLOGICAL MECHANICS. <i>Journal of Mechanics in Medicine and Biology</i> , 2014 , 14, 1402001	0.7	
210	A Special Section on The Methods of Medical Imaging and Health System. <i>Journal of Medical Imaging and Health Informatics</i> , 2014 , 4, 395-398	1.2	2
209	Influence of substrate heating on hole geometry and spatter area in femtosecond laser drilling of silicon. <i>Applied Physics Letters</i> , 2014 , 104, 181902	3.4	21
208	Parametric sensitivity analysis of radiofrequency ablation with efficient experimental design. <i>International Journal of Thermal Sciences</i> , 2014 , 80, 41-47	4.1	27
207	Evaluation of dentinal fluid flow behaviours: a fluid-structure interaction simulation. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2014 , 17, 1716-26	2.1	9
206	Level set method for segmentation of infrared breast thermograms. <i>EXCLI Journal</i> , 2014 , 13, 241-51	2.4	28
205	Evaluation of meshless radial basis collocation method (RBCM) for heterogeneous conduction and simulation of temperature inside the biological tissues. <i>International Journal of Thermal Sciences</i> , 2013 , 68, 42-52	4.1	29
204	Building and calibration of a fast model of the SWAY prototype floating wind turbine 2013 ,		2

203	The effect of dentinal fluid flow during loading in various directions--simulation of fluid-structure interaction. <i>Archives of Oral Biology</i> , 2013 , 58, 575-82	2.8	10
202	Computer-aided diagnosis of diabetic retinopathy: a review. <i>Computers in Biology and Medicine</i> , 2013 , 43, 2136-55	7	245
201	Ranking of parameters in bioheat transfer using Taguchi analysis. <i>International Journal of Thermal Sciences</i> , 2013 , 63, 15-21	4.1	30
200	Refining femtosecond laser induced periodical surface structures with liquid assist. <i>Applied Surface Science</i> , 2013 , 264, 52-55	6.7	17
199	Laminar mixing performances of baffling, shaft eccentricity and unsteady mixing in a cylindrical vessel. <i>Chemical Engineering Science</i> , 2013 , 104, 960-974	4.4	25
198	Separable and non-separable discrete wavelet transform based texture features and image classification of breast thermograms. <i>Infrared Physics and Technology</i> , 2013 , 61, 274-286	2.7	36
197	Breast cancer detection from thermal images using bispectral invariant features. <i>International Journal of Thermal Sciences</i> , 2013 , 69, 21-36	4.1	72
196	To optimize the efficacy of bioheat transfer in capacitive hyperthermia: A physical perspective. <i>Journal of Thermal Biology</i> , 2013 , 38, 272-279	2.9	34
195	Statistical modeling of electrode based thermal therapy with Taguchi based multiple regression. <i>International Journal of Thermal Sciences</i> , 2013 , 71, 283-291	4.1	21
194	Evolutionary algorithm based classifier parameter tuning for automatic diabetic retinopathy grading: A hybrid feature extraction approach. <i>Knowledge-Based Systems</i> , 2013 , 39, 9-22	7.3	116
193	Lagrangian Simulation of Steady and Unsteady Laminar Mixing by Plate Impeller in a Cylindrical Vessel. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 10004-10014	3.9	14
192	Automated detection of optic disk in retinal fundus images using intuitionistic fuzzy histon segmentation. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013 , 227, 37-49	1.7	26
191	A Special Section on Healthcare Informatics (Part III). <i>Journal of Medical Imaging and Health Informatics</i> , 2013 , 3, 566-567	1.2	2
190	Computer Aided Diagnosis of Diabetic Retinopathy Using Multi-Resolution Analysis and Feature Ranking Frame Work. <i>Journal of Medical Imaging and Health Informatics</i> , 2013 , 3, 598-606	1.2	10
189	Designing and Comparing Different Color Map Algorithms for Pseudo-Coloring Breast Thermograms. <i>Journal of Medical Imaging and Health Informatics</i> , 2013 , 3, 487-493	1.2	8
188	A Systems Approach to Cardiac Health Diagnosis. <i>Journal of Medical Imaging and Health Informatics</i> , 2013 , 3, 261-267	1.2	10
187	A Special Section on Healthcare Informatics. <i>Journal of Medical Imaging and Health Informatics</i> , 2013 , 3, 268-269	1.2	2
186	BREAST THERMOGRAPHY AS A POTENTIAL NON-CONTACT METHOD IN THE EARLY DETECTION OF CANCER: A REVIEW. <i>Journal of Mechanics in Medicine and Biology</i> , 2013 , 13, 1330001	0.7	57

185	The Effect of Tear Film on Ocular Surface Temperature: A Thermodynamic Study. <i>Journal of Heat Transfer</i> , 2013 , 135,	1.8	2
184	COMPUTATIONAL AERODYNAMICS OF THE C-130 PREDICTING AIRFLOW EFFECT ON AIRDROP. <i>International Journal of Computational Methods</i> , 2013 , 10, 1350025	1.1	2
183	Application of intrinsic time-scale decomposition (ITD) to EEG signals for automated seizure prediction. <i>International Journal of Neural Systems</i> , 2013 , 23, 1350023	6.2	78
182	BIOMECHANICAL EVALUATION OF ENDODONTIC POST-RESTORED TEETH USING FINITE ELEMENT ANALYSIS. <i>Journal of Mechanics in Medicine and Biology</i> , 2013 , 13, 1350012	0.7	16
181	Comparison of Turbulence Models in Near Wake of Transport Plane C-130H Fuselage. <i>Journal of Aircraft</i> , 2013 , 50, 847-852	1.6	12
180	Modelling of thermal characteristics of HDD using thermal and fluid iterative coupling method. <i>Progress in Computational Fluid Dynamics</i> , 2013 , 13, 238	0.7	1
179	CFD modelling of abdominal aortic aneurysm on hemodynamic loads using a realistic geometry with CT. <i>Computational and Mathematical Methods in Medicine</i> , 2013 , 2013, 472564	2.8	57
178	Automated diagnosis of maculopathy stages using texture features. <i>International Journal of Integrated Care</i> , 2013 , 13,	2	3
177	Evaluation of the efficiency of biofield diagnostic system in breast cancer detection using clinical study results and classifiers. <i>Journal of Medical Systems</i> , 2012 , 36, 15-24	5.1	8
176	Algorithms for the automated detection of diabetic retinopathy using digital fundus images: a review. <i>Journal of Medical Systems</i> , 2012 , 36, 145-57	5.1	165
175	Data mining technique for breast cancer detection in thermograms using hybrid feature extraction strategy. <i>Quantitative InfraRed Thermography Journal</i> , 2012 , 9, 151-165	1.1	27
174	Nonlinear analysis using Lyapunov exponents in breast thermograms to identify abnormal lesions. <i>Infrared Physics and Technology</i> , 2012 , 55, 345-352	2.7	25
173	Fluid-dynamics modelling of the human left ventricle with dynamic mesh for normal and myocardial infarction: preliminary study. <i>Computers in Biology and Medicine</i> , 2012 , 42, 863-70	7	48
172	Application of intuitionistic fuzzy histogram segmentation for the automated detection of optic disc in digital fundus images 2012 ,		6
171	Thermography based breast cancer detection using texture features and Support Vector Machine. <i>Journal of Medical Systems</i> , 2012 , 36, 1503-10	5.1	187
170	An integrated index for the identification of diabetic retinopathy stages using texture parameters. <i>Journal of Medical Systems</i> , 2012 , 36, 2011-20	5.1	91
169	Application of empirical mode decomposition (emd) for automated detection of epilepsy using EEG signals. <i>International Journal of Neural Systems</i> , 2012 , 22, 1250027	6.2	154
168	DIABETES MELLITUS: ENQUIRY INTO ITS MEDICAL ASPECTS AND BIOENGINEERING OF ITS MONITORING AND REGULATION. <i>Journal of Mechanics in Medicine and Biology</i> , 2012 , 12, 1230001	0.7	4

167	RECURRENCE QUANTIFICATION ANALYSIS OF BODY RESPONSE TO FUNCTIONAL ELECTRICAL STIMULATION ON HEMIPLEGIC SUBJECTS. <i>Journal of Mechanics in Medicine and Biology</i> , 2012 , 12, 1250038	0.7	38
166	AUTOMATED DIAGNOSIS OF CARDIAC HEALTH USING RECURRENCE QUANTIFICATION ANALYSIS. <i>Journal of Mechanics in Medicine and Biology</i> , 2012 , 12, 1240014	0.7	3
165	CFD simulation of flow through heart: a perspective review. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2011 , 14, 113-32	2.1	32
164	Breast imaging: A survey. <i>World Journal of Clinical Oncology</i> , 2011 , 2, 171-8	2.5	87
163	Flight Maneuverability Characteristics of the F-16 CFD and Correlation with its Intake Total Pressure Recovery and Distortion. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2011 , 5, 223-234	4.5	2
162	Automated Localization of Eye and Cornea Using Snake and Target-Tracing Function 2011 , 187-206		
161	Automatic Diagnosis of Glaucoma Using Digital Fundus Images 2011 , 207-226		
160	Temperature Distribution Inside the Human Eye with Tumor Growth 2011 , 227-264		
159	The Study of Ocular Surface Temperature by Infrared Thermography: The Principles, Methodologies, and Applications 2011 , 265-278		
158	Temperature Changes Inside the Human Eye During LTKP 2011 , 349-379		
157	The effect of assist liquid on the hole taper improvement in femtosecond laser percussion drilling. <i>Physics Procedia</i> , 2011 , 19, 426-430		12
156	Evaluation of topographical variation in ocular surface temperature by functional infrared thermography. <i>Infrared Physics and Technology</i> , 2011 , 54, 469-477	2.7	31
155	The use of skin surface electropotentials for breast cancer detection--preliminary clinical trial results obtained using the biofield diagnostic system. <i>Journal of Medical Systems</i> , 2011 , 35, 79-86	5.1	9
154	Towards the systematic development of medical networking technology. <i>Journal of Medical Systems</i> , 2011 , 35, 1431-45	5.1	14
153	Estimating the mutual information between bilateral breast in thermograms using nonparametric windows. <i>Journal of Medical Systems</i> , 2011 , 35, 959-67	5.1	26
152	An efficient automated algorithm to detect ocular surface temperature on sequence of thermograms using snake and target tracing function. <i>Journal of Medical Systems</i> , 2011 , 35, 949-58	5.1	13
151	Role of volatile liquids in debris and hole taper angle reduction during femtosecond laser drilling of silicon. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 104, 1081-1084	2.6	20
150	Micro-machining of silicon wafer in air and under water. <i>Optics and Laser Technology</i> , 2011 , 43, 62-71	4.2	57

149	Effects of natural convection within the anterior chamber on the ocular heat transfer. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2011 , 27, 408-423	2.6	17
148	Integrated index for cardiac arrhythmias diagnosis using entropies as features of heart rate variability signal 2011 ,		2
147	On the effect of turbulent intensity towards the accuracy of the zero-equation turbulence model for indoor airflow application. <i>Building and Environment</i> , 2011 , 46, 82-88	6.5	6
146	Welcome to the Inaugural Issue of the Journal of Medical Imaging and Health Informatics (JMIHI). <i>Journal of Medical Imaging and Health Informatics</i> , 2011 , 1, 1-3	1.2	3
145	Classification of Normal, Neuropathic, and Myopathic Electromyograph Signals Using Nonlinear Dynamics Method. <i>Journal of Medical Imaging and Health Informatics</i> , 2011 , 1, 375-380	1.2	14
144	STATISTICAL ANALYSIS OF FEMTOSECOND PULSES LASER ON HOLE DRILLING OF SILICON WAFER. <i>Surface Review and Letters</i> , 2011 , 18, 39-45	1.1	5
143	Imaging as a diagnostic and therapeutic tool in clinical oncology. <i>World Journal of Clinical Oncology</i> , 2011 , 2, 169-70	2.5	2
142	Automated Ocular Localization in Thermographic Sequences of Contact Lens Wearer 2011 , 215-234		
141	The Applications of Feature-Based Image Metamorphosis and Eyelashes Removal in the Investigations of Ocular Thermographic Sequences 2011 , 315-334		
140	QUANTIFICATION AND THE UNDERLYING MECHANISM OF SKIN THERMAL DAMAGE: A REVIEW. <i>Journal of Mechanics in Medicine and Biology</i> , 2010 , 10, 373-400	0.7	46
139	BREAST IMAGING SYSTEMS: A REVIEW AND COMPARATIVE STUDY. <i>Journal of Mechanics in Medicine and Biology</i> , 2010 , 10, 5-34	0.7	15
138	Data mining approach to evaluating the use of skin surface electropotentials for breast cancer detection. <i>Technology in Cancer Research and Treatment</i> , 2010 , 9, 95-106	2.7	8
137	Analysis of Breast Thermography Using Fractal Dimension to Establish Possible Difference between Malignant and Benign Patterns. <i>Journal of Healthcare Engineering</i> , 2010 , 1, 27-44	3.7	57
136	Effect of the angle of attack on the YF-16 inlet. <i>International Journal of Aerodynamics</i> , 2010 , 1, 169	0	
135	Evaluation of tear evaporation from ocular surface by functional infrared thermography. <i>Medical Physics</i> , 2010 , 37, 6022-34	4.4	45
134	Prediction and parametric analysis of thermal profiles within heated human skin using the boundary element method. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 655-78	3	40
133	Comparison of nucleotide DNA alignment search programmes. <i>International Journal of Medical Engineering and Informatics</i> , 2010 , 2, 163	0.5	4
132	Application of K- and fuzzy c-means for color segmentation of thermal infrared breast images. <i>Journal of Medical Systems</i> , 2010 , 34, 35-42	5.1	90

131	Effect of induced magnetic field on peristaltic flow of a micropolar fluid in an asymmetric channel. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2010 , 26, 1380-1403	2.6	18
130	Automated study of ocular thermal images: Comprehensive analysis of corneal health with different age group subjects and validation 2010 , 20, 1579-1591		17
129	A novel brain-inspired neural cognitive approach to SARS thermal image analysis. <i>Expert Systems With Applications</i> , 2010 , 37, 3040-3054	7.8	13
128	Study of normal ocular thermogram using textural parameters. <i>Infrared Physics and Technology</i> , 2010 , 53, 120-126	2.7	63
127	Design and Modeling of Femto Air Bearing Slider. <i>Engineering</i> , 2010 , 02, 841-854	0.4	1
126	Mathematical Modeling of Skin Bioheat Transfer. <i>Applied Mechanics Reviews</i> , 2009 , 62,	8.6	144
125	Monitoring and Characterizing of Hard Disk Drive Thermal Sources. <i>Heat Transfer Engineering</i> , 2009 , 30, 649-660	1.7	4
124	Parametric Study of Femtosecond Pulses Laser Hole Drilling of Silicon Wafer. <i>Advanced Materials Research</i> , 2009 , 74, 273-277	0.5	8
123	OCULAR TEMPERATURE DISTRIBUTION: A MATHEMATICAL PERSPECTIVE. <i>Journal of Mechanics in Medicine and Biology</i> , 2009 , 09, 199-227	0.7	26
122	A review of thermography as promising non-invasive detection modality for breast tumor. <i>International Journal of Thermal Sciences</i> , 2009 , 48, 849-859	4.1	274
121	Comparative study on the use of analytical software to identify the different stages of breast cancer using discrete temperature data. <i>Journal of Medical Systems</i> , 2009 , 33, 141-53	5.1	19
120	Analysis of normal human eye with different age groups using infrared images. <i>Journal of Medical Systems</i> , 2009 , 33, 207-13	5.1	30
119	Applying Taguchi's off-line quality control method and ANOVA on the maneuverability of the F-5E intake. <i>Mathematical and Computer Modelling</i> , 2009 , 49, 1359-1371		4
118	A boundary element model for investigating the effects of eye tumor on the temperature distribution inside the human eye. <i>Computers in Biology and Medicine</i> , 2009 , 39, 667-77	7	22
117	Infrared thermography on ocular surface temperature: A review. <i>Infrared Physics and Technology</i> , 2009 , 52, 97-108	2.7	127
116	Automated detection of eye and cornea on infrared thermogram using snake and target tracing function coupled with genetic algorithm. <i>Quantitative InfraRed Thermography Journal</i> , 2009 , 6, 21-36	1.1	7
115	Boundary element method with bioheat equation for skin burn injury. <i>Burns</i> , 2009 , 35, 987-97	2.3	58
114	Computer-based detection of diabetes retinopathy stages using digital fundus images. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2009 , 223, 545-53	1.7	106

113	Swirl flow analysis of the port side F-5E intake using CFD. <i>Progress in Computational Fluid Dynamics</i> , 2009 , 9, 109	0.7	
112	Use of Data Mining Techniques for Improved Detection of Breast Cancer with Biofield Diagnostic System. <i>Communications in Computer and Information Science</i> , 2009 , 444-452	0.3	
111	Advanced integrated technique in breast cancer thermography. <i>Journal of Medical Engineering and Technology</i> , 2008 , 32, 103-14	1.8	60
110	COMPUTER-BASED IDENTIFICATION OF PLANTAR PRESSURE IN TYPE 2 DIABETES SUBJECTS WITH AND WITHOUT NEUROPATHY. <i>Journal of Mechanics in Medicine and Biology</i> , 2008 , 08, 363-375	0.7	11
109	The use of tissue electrical characteristics for breast cancer detection: a perspective review. <i>Technology in Cancer Research and Treatment</i> , 2008 , 7, 295-308	2.7	26
108	The engineering analysis of bioheat equation and penile hemodynamic relationships in the diagnosis of erectile dysfunction: part II-model optimization using the ANOVA and Taguchi method. <i>International Journal of Impotence Research</i> , 2008 , 20, 285-94	2.3	3
107	The engineering analysis of bioheat equation and penile hemodynamic relationships in the diagnosis of erectile dysfunction: part I-theoretical study and mathematical modeling. <i>International Journal of Impotence Research</i> , 2008 , 20, 295-306	2.3	0
106	AUTOMATED IDENTIFICATION OF EYE DISEASES USING HIGHER-ORDER SPECTRA. <i>Journal of Mechanics in Medicine and Biology</i> , 2008 , 08, 121-136	0.7	5
105	STUDY OF HUMAN THERMOREGULATION: ADAPTIVE OPTIMIZATION CONTROL THEORY ANALYSIS. <i>Journal of Mechanics in Medicine and Biology</i> , 2008 , 08, 97-108	0.7	6
104	Biofield potential simulation as a novel adjunct modality for continuous monitoring of breast lesions: a 3D numerical model. <i>Journal of Medical Engineering and Technology</i> , 2008 , 32, 40-52	1.8	2
103	An integrated software tool for detecting criminals using DNA databases. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2008 , 8, 21-49	0.3	
102	Optimization of nanoparticle drug microcarrier on the pharmacokinetics of drug release: a preliminary study. <i>Journal of Medical Systems</i> , 2008 , 32, 85-92	5.1	6
101	Imaging systems of human eye: a review. <i>Journal of Medical Systems</i> , 2008 , 32, 301-15	5.1	11
100	Application of higher order spectra for the identification of diabetes retinopathy stages. <i>Journal of Medical Systems</i> , 2008 , 32, 481-8	5.1	116
99	Computer-based identification of breast cancer using digitized mammograms. <i>Journal of Medical Systems</i> , 2008 , 32, 499-507	5.1	21
98	Effects of centerline curvature and cross-sectional shape transitioning in the subsonic diffuser of the F-5 fighter jet. <i>Journal of Mechanical Science and Technology</i> , 2008 , 22, 1993-1997	1.6	3
97	Applications of high-resolution schemes based on normalized variable formulation for 3D indoor airflow simulations. <i>International Journal for Numerical Methods in Engineering</i> , 2008 , 73, 948-981	2.4	12
96	Numerical study of the swirl flow in F-5E intake with subsonic speeds. <i>Mathematical and Computer Modelling</i> , 2008 , 48, 447-467		5

95	Response surface models for CFD predictions of air diffusion performance index in a displacement ventilated office. <i>Energy and Buildings</i> , 2008 , 40, 774-781	7	43
94	Simulation of aqueous humor hydrodynamics in human eye heat transfer. <i>Computers in Biology and Medicine</i> , 2008 , 38, 252-62	7	75
93	Identification of different stages of diabetic retinopathy using retinal optical images. <i>Information Sciences</i> , 2008 , 178, 106-121	7.7	122
92	Development of an integrated suite of software in analysing of large DNA databases. <i>Open Medical Informatics Journal</i> , 2008 , 2, 1-20	1	
91	Study of EDL effect on 3-D developing flow in microchannel with Poisson-Boltzmann and Nernst-Planck models. <i>International Journal for Numerical Methods in Engineering</i> , 2007 , 71, 818-836	2.4	11
90	Higher-order bounded differencing schemes for compressible and incompressible flows. <i>International Journal for Numerical Methods in Fluids</i> , 2007 , 53, 57-80	1.9	25
89	Ocular surface temperature: a 3D FEM prediction using bioheat equation. <i>Computers in Biology and Medicine</i> , 2007 , 37, 829-35	7	44
88	Numerical modelling of biopotential field for detection of breast tumour. <i>Computers in Biology and Medicine</i> , 2007 , 37, 1121-32	7	7
87	Detection and differentiation of breast cancer using neural classifiers with first warning thermal sensors. <i>Information Sciences</i> , 2007 , 177, 4526-4538	7.7	27
86	A novel cognitive interpretation of breast cancer thermography with complementary learning fuzzy neural memory structure. <i>Expert Systems With Applications</i> , 2007 , 33, 652-666	7.8	82
85	Bioheat transfer in the human eye: A boundary element approach. <i>Engineering Analysis With Boundary Elements</i> , 2007 , 31, 494-500	2.6	55
84	Automatic identification of anterior segment eye abnormality. <i>Irbm</i> , 2007 , 28, 35-41	4.8	8
83	Variations in the corneal surface temperature with contact lens wear. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2007 , 221, 337-49	1.7	20
82	Effect of left ventricular shape alteration on contractility and function. <i>Journal of Medical Engineering and Technology</i> , 2007 , 31, 253-62	1.8	4
81	Analysis of nano drug carriers towards optimum release rate. <i>Journal of Medical Engineering and Technology</i> , 2007 , 31, 243-52	1.8	2
80	INTEGRATIVE COMPUTER-AIDED DIAGNOSTIC WITH BREAST THERMOGRAM. <i>Journal of Mechanics in Medicine and Biology</i> , 2007 , 07, 1-10	0.7	22
79	FEM Simulation of Ocular Surface Temperature with Bioheat Equation 2007 , 66-68		
78	Analysis of plantar pressure in diabetic type 2 subjects with and without neuropathy. <i>IRBM News</i> , 2006 , 27, 46-55		21

77	Parametric study of the biopotential equation for breast tumour identification using ANOVA and Taguchi method. <i>Medical and Biological Engineering and Computing</i> , 2006 , 44, 131-9	3.1	22
76	Cardiac health diagnosis using data fusion of cardiovascular and haemodynamic signals. <i>Computer Methods and Programs in Biomedicine</i> , 2006 , 82, 87-96	6.9	22
75	FEM simulation of the eye structure with bio-heat analysis. <i>Computer Methods and Programs in Biomedicine</i> , 2006 , 82, 268-76	6.9	81
74	Study of facial skin and aural temperature. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2006 , 25, 68-74		14
73	ANN-based mapping of febrile subjects in mass thermogram screening: facts and myths. <i>Journal of Medical Engineering and Technology</i> , 2006 , 30, 330-7	1.8	7
72	Numerical Analysis of EDL Effect on Heat Transfer Characteristic of 3-D Developing Flow in a Microchannel. <i>Numerical Heat Transfer; Part A: Applications</i> , 2006 , 49, 991-1007	2.3	17
71	Explaining left ventricular pressure dynamics in terms of LV passive and active elastances. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2006 , 220, 647-55	1.7	12
70	Parametric Study of an Improved Gamma Differencing Scheme Based on Normalized-Variable Formulation for Low-Speed Flow With Artificial Compressibility Technique. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2006 , 50, 561-584	1.3	4
69	Computer-based classification of eye diseases. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 6121-4		13
68	Multigrid solution of Euler equations using high-resolution NVD differencing scheme for unstructured meshes. <i>Progress in Computational Fluid Dynamics</i> , 2006 , 6, 389	0.7	6
67	Computational studies of the EDL effect in 3-D developing flow in microchannel. <i>Journal of Physics: Conference Series</i> , 2006 , 34, 829-833	0.3	
66	Left ventricular shape-based contractility index. <i>Journal of Biomechanics</i> , 2006 , 39, 2397-409	2.9	10
65	A perspective on medical infrared imaging. <i>Journal of Medical Engineering and Technology</i> , 2005 , 29, 257-68		171
64	Passive and active ventricular elastances of the left ventricle. <i>BioMedical Engineering OnLine</i> , 2005 , 4, 10	4.1	30
63	Advanced technique in breast thermography analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2006, 710-3		4
62	Is thermal scanner losing its bite in mass screening of fever due to SARS?. <i>Medical Physics</i> , 2005 , 32, 93-7	4.4	54
61	A Multicoefficient Slip-Corrected Reynolds Equation for Micro-Thin Film Gas Lubrication. <i>International Journal of Rotating Machinery</i> , 2005 , 2005, 105-111	1.3	11
60	An Improved Integral Method for Prediction of Distorted Inlet Flow Propagation in Axial Compressor. <i>International Journal of Rotating Machinery</i> , 2005 , 2005, 117-127	1.3	

59	NUMERICAL APPROACH TO FLUID-STRUCTURE ANALYSIS OF SOFT BIOLOGICAL TISSUE. <i>Journal of Mechanics in Medicine and Biology</i> , 2005 , 05, 11-27	0.7	
58	A global bioheat model with self-tuning optimal regulation of body temperature using Hebbian feedback covariance learning. <i>Medical Physics</i> , 2005 , 32, 3819-31	4.4	19
57	CLASSIFICATION OF HUMAN FACIAL AND AURAL TEMPERATURE USING NEURAL NETWORKS AND IR FEVER SCANNER: A RESPONSIBLE SECOND LOOK. <i>Journal of Mechanics in Medicine and Biology</i> , 2005 , 05, 165-190	0.7	10
56	Perfusion studies of steady flow in poroelastic myocardium tissue. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2005 , 8, 349-57	2.1	5
55	MODIFIED DISTRIBUTION-FORMULA SCHEME FOR UNSTRUCTURED ADAPTIVE NAVIER-STOKES SOLVERS. <i>International Journal of Computational Methods</i> , 2005 , 02, 375-400	1.1	1
54	DETERMINATION OF AORTIC PRESSURE-TIME PROFILE, ALONG WITH AORTIC STIFFNESS AND PERIPHERAL RESISTANCE. <i>Journal of Mechanics in Medicine and Biology</i> , 2004 , 04, 499-509	0.7	9
53	ANALYSIS OF LEFT VENTRICULAR MYOCARDIAL PROPERTIES. <i>Journal of Mechanics in Medicine and Biology</i> , 2004 , 04, 173-185	0.7	2
52	Computer simulation in conjunction with medical thermography as an adjunct tool for early detection of breast cancer. <i>BMC Cancer</i> , 2004 , 4, 17	4.8	60
51	COMPUTATION OF THREE-DIMENSIONAL DEVELOPING PRESSURE-DRIVEN LIQUID FLOW IN A MICROCHANNEL WITH EDL EFFECT. <i>Numerical Heat Transfer; Part A: Applications</i> , 2004 , 45, 1013-1027	2.3	22
50	Analysis of IR thermal imager for mass blind fever screening. <i>Microvascular Research</i> , 2004 , 68, 104-9	3.7	124
49	Laser Doppler perfusion imaging for the study of alternative medicine. <i>International Journal of Computer Applications in Technology</i> , 2004 , 21, 65	0.7	1
48	Incorporation of Cabot's wall functions in RANS with applications in turbomachinery. <i>Progress in Computational Fluid Dynamics</i> , 2004 , 4, 309	0.7	
47	DEVELOPING CASE-BASED REASONING FOR DISCOVERY OF BREAST CANCER. <i>Journal of Mechanics in Medicine and Biology</i> , 2003 , 03, 231-245	0.7	10
46	Case studies of laser Doppler imaging system for clinical diagnosis applications and management. <i>Journal of Medical Engineering and Technology</i> , 2003 , 27, 200-6	1.8	7
45	A framework for early discovery of breast tumor using thermography with artificial neural network. <i>Breast Journal</i> , 2003 , 9, 341-3	1.2	35
44	Laser-Doppler imaging of osteoarthritis in proximal interphalangeal joints. <i>Microvascular Research</i> , 2003 , 65, 65-8	3.7	8
43	NUMERICAL STUDIES OF DEVELOPING FLOW IN MICROCHANNEL. <i>International Journal of Computational Engineering Science</i> , 2003 , 04, 389-392		6
42	Higher-order Upwind Distribution-formula Scheme for Structured and Unstructured Adaptive Flow Solvers. <i>International Journal of Computational Fluid Dynamics</i> , 2003 , 17, 61-73	1.2	2

41	Simulation of oscillatory wall shear stress in channels with moving indentations. <i>International Journal for Numerical Methods in Engineering</i> , 2002 , 54, 1477-1500	2.4	15
40	Near-wall function for turbulence closure models. <i>Computational Mechanics</i> , 2002 , 29, 178-181	4	8
39	Study on the propagation of inlet flow distortion in axial compressor using an integral method. <i>Computational Mechanics</i> , 2002 , 30, 1-11	4	4
38	Prediction of skin burn injury. Part 2: Parametric and sensitivity analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2002 , 216, 171-83	1.7	58
37	Prediction of skin burn injury. Part 1: Numerical modelling. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2002 , 216, 157-70	1.7	41
36	EARLY DETECTION AND VISUALIZATION OF BREAST TUMOR WITH THERMOGRAM AND NEURAL NETWORK. <i>Journal of Mechanics in Medicine and Biology</i> , 2002 , 02, 185-195	0.7	20
35	An Improved Turbulence Closure Model Using Cabot's Near-Wall Function 2002 , 1249		
34	Global bioheat model for quick evaluation of the human physiological thermal profiles under differing conditions. <i>Journal of Medical Engineering and Technology</i> , 2002 , 26, 231-8	1.8	5
33	The credibility of the Breast Cancer Risk Assessment (BCRA) tool for Asians. <i>Journal of Medical Engineering and Technology</i> , 2002 , 26, 185-92	1.8	2
32	Computerized detection of breast cancer with artificial intelligence and thermograms. <i>Journal of Medical Engineering and Technology</i> , 2002 , 26, 152-7	1.8	67
31	Modelling of fluid-wall interactions for viscous flow in a stenotic elastic artery. <i>Progress in Computational Fluid Dynamics</i> , 2002 , 2, 33	0.7	15
30	The impacts of time-step size in the application of the direct simulation Monte Carlo method to ultra-thin gas film lubrication. <i>Journal of Micromechanics and Microengineering</i> , 2002 , 12, 567-573	2	9
29	Comparison of one- and two-dimensional programmes for predicting the state of skin burns. <i>Burns</i> , 2002 , 28, 27-34	2.3	94
28	Nonlinear solution adaptive structured grids via heat-conduction analogies. <i>Computers and Mathematics With Applications</i> , 2001 , 41, 193-213	2.7	
27	Prediction of unobstructed flow for co-rotating multi-disk drive in an enclosure. <i>International Journal for Numerical Methods in Fluids</i> , 2001 , 35, 519-531	1.9	2
26	NUMERICAL EVALUATION OF HEAT AND FLUID FLOW WITHIN ROTATING DISKS. <i>International Journal of Computational Engineering Science</i> , 2001 , 02, 11-30		
25	Computerized breast thermography: study of image segmentation and temperature cyclic variations. <i>Journal of Medical Engineering and Technology</i> , 2001 , 25, 12-6	1.8	47
24	An improved three-dimensional direct numerical modelling and thermal analysis of a female breast with tumour. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2001 , 215, 25-37	1.7	95

23	The posture effects of a slider air bearing on its performance with a direct simulation Monte Carlo method. <i>Journal of Micromechanics and Microengineering</i> , 2001 , 11, 463-473	2	28
22	Unsteady viscous flow model on moving the domain through a stenotic artery. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2001 , 215, 237-49	1.7	3
21	Statistical analysis of healthy and malignant breast thermography. <i>Journal of Medical Engineering and Technology</i> , 2001 , 25, 253-63	1.8	94
20	DIRECT SOLUTION OF NAVIER-STOKES EQUATION ON MOVING PHYSICAL COMPUTATIONAL DOMAIN. <i>International Journal of Computational Engineering Science</i> , 2001 , 02, 469-477		1
19	Non-Newtonian flow in a large mixed-flow pump. <i>International Journal of Computer Applications in Technology</i> , 2000 , 13, 332	0.7	3
18	Unsteady stenosis flow prediction: a comparative study of non-Newtonian models with operator splitting scheme. <i>Medical Engineering and Physics</i> , 2000 , 22, 265-77	2.4	57
17	Comparison of Various Turbulence Models in Rotating Machinery Blade-to-Blade Passages. <i>International Journal of Rotating Machinery</i> , 2000 , 6, 375-382	1.3	4
16	PARAMETRIC STUDIES OF MICROCHANNEL CONJUGATE LIQUID FLOWS WITH ZETA POTENTIAL EFFECTS. <i>Journal of Electronics Manufacturing</i> , 2000 , 10, 237-252		3
15	Numerical study of unsteady stenosis flow: parametric evaluation of power-law model. <i>Journal of Medical Engineering and Technology</i> , 2000 , 24, 203-9	1.8	5
14	Mesh-independent prediction of skin burns injury. <i>Journal of Medical Engineering and Technology</i> , 2000 , 24, 255-61	1.8	41
13	Parametric optimization for tumour identification: bioheat equation using ANOVA and the Taguchi method. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2000 , 214, 505-12	1.7	44
12	NUMERICAL SIMULATION OF FLOW AND CONJUGATE HEAT TRANSFER IN A MICROCHANNEL FOR ELECTRONICS COOLING. <i>Journal of Electronics Manufacturing</i> , 1999 , 09, 141-153		9
11	INVESTIGATIVE STUDY OF MANIFOLD MICROCHANNEL HEAT SINKS FOR ELECTRONIC COOLING DESIGN. <i>Journal of Electronics Manufacturing</i> , 1999 , 09, 155-166		12
10	Surface Temperature Distribution of a Breast With and Without Tumour. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 1999 , 2, 187-199	2.1	56
9	An evaluation of a novel approach to mesh generation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 1999 , 9, 878-892	4.5	1
8	Computation of Q3D Viscous Flows in Various Annular Turbine Stages with Heat Transfer. <i>International Journal of Rotating Machinery</i> , 1998 , 4, 25-33	1.3	
7	Towards a Reliable Assessment of Engineering In-house Practical Training Courses: A Case Study of Method-in-action. <i>Innovations in Education and Teaching International</i> , 1997 , 34, 288-293		
6	Undergraduate Students in a Computer Engineering Course: A Perspective of their Learning Approaches and Motivation Factors. <i>Innovations in Education and Teaching International</i> , 1997 , 34, 65-69		1

5	A novel implicit difference algorithm of primitive variable flow equations with higher-order extra terms. <i>Computers and Fluids</i> , 1997 , 26, 163-182	2.8	2
4	THE DEVELOPMENT OF A ONE-STEP ACCURATE FLUX VECTOR-SPLITTING IMPLICIT ALGORITHM FOR EULER AND NAVIER-STOKES EQUATIONS. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 1996 , 6, 3-18	4.5	
3	HIGH RESOLUTION NUMERICAL METHOD FOR PREDICTING SLOTS FILM-COOLING USING THE COUPLED PARABOLIC/ELLIPTIC NAVIER-STOKES SOLVER. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 1993 , 3, 531-544	4.5	
2	Heat transfer and flow issues in manifold microchannel heat sinks: a CFD approach		2
1	PREFACE: A SPECIAL SELECTION ON BIOMECHANICAL APPLICATIONS IN MEDICAL SCIENCE -PART I. <i>Journal of Mechanics in Medicine and Biology</i> , 2102002	0.7	