E Y K Ng

List of Publications by Citations

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	Automated diagnosis of arrhythmia using combination of CNN and LSTM techniques with variable length heart beats. *Computers in Biology and Medicine*, **2018**, 102, 278-287	7	296
363	A review of thermography as promising non-invasive detection modality for breast tumor. *International Journal of Thermal Sciences*, **2009**, 48, 849-859	4.1	274
362	Computer-aided diagnosis of diabetic retinopathy: a review. *Computers in Biology and Medicine*, **2013**, 43, 2136-55	7	245
361	Thermography based breast cancer detection using texture features and Support Vector Machine. *Journal of Medical Systems*, **2012**, 36, 1503-10	5.1	187
360	A perspective on medical infrared imaging. *Journal of Medical Engineering and Technology*, **2005**, 29, 257-67		171
359	Algorithms for the automated detection of diabetic retinopathy using digital fundus images: a review. *Journal of Medical Systems*, **2012**, 36, 145-57	5.1	165
358	Application of empirical mode decomposition (emd) for automated detection of epilepsy using EEG signals. *International Journal of Neural Systems*, **2012**, 22, 1250027	6.2	154
357	Mathematical Modeling of Skin Bioheat Transfer. *Applied Mechanics Reviews*, **2009**, 62,	8.6	144
356	Infrared thermography on ocular surface temperature: A review. *Infrared Physics and Technology*, **2009**, 52, 97-108	2.7	127
355	Analysis of IR thermal imager for mass blind fever screening. *Microvascular Research*, **2004**, 68, 104-9	3.7	124
354	Identification of different stages of diabetic retinopathy using retinal optical images. *Information Sciences*, **2008**, 178, 106-121	7.7	122
353	Evolutionary algorithm based classifier parameter tuning for automatic diabetic retinopathy grading: A hybrid feature extraction approach. *Knowledge-Based Systems*, **2013**, 39, 9-22	7.3	116
352	Application of higher order spectra for the identification of diabetes retinopathy stages. *Journal of Medical Systems*, **2008**, 32, 481-8	5.1	116
351	Computer-based detection of diabetes retinopathy stages using digital fundus images. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, **2009**, 223, 545-53	1.7	106
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347	Decision support system for the glaucoma using Gabor transformation. *Biomedical Signal Processing and Control*, **2015**, 15, 18-26	4.9	92
346	An integrated index for the identification of diabetic retinopathy stages using texture parameters. *Journal of Medical Systems*, **2012**, 36, 2011-20	5.1	91
345	Application of K- and fuzzy c-means for color segmentation of thermal infrared breast images. *Journal of Medical Systems*, **2010**, 34, 35-42	5.1	90
344	Physical mechanism and modeling of heat generation and transfer in magnetic fluid hyperthermia through Néelian and Brownian relaxation: a review. *BioMedical Engineering OnLine*, **2017**, 16, 36	4.1	88
343	Breast imaging: A survey. *World Journal of Clinical Oncology*, **2011**, 2, 171-8	2.5	87
342	A novel cognitive interpretation of breast cancer thermography with complementary learning fuzzy neural memory structure. *Expert Systems With Applications*, **2007**, 33, 652-666	7.8	82
341	FEM simulation of the eye structure with bio-heat analysis. *Computer Methods and Programs in Biomedicine*, **2006**, 82, 268-76	6.9	81
340	Application of intrinsic time-scale decomposition (ITD) to EEG signals for automated seizure prediction. *International Journal of Neural Systems*, **2013**, 23, 1350023	6.2	78
339	Simulation of aqueous humor hydrodynamics in human eye heat transfer. *Computers in Biology and Medicine*, **2008**, 38, 252-62	7	75
338	Breast cancer detection from thermal images using bispectral invariant features. *International Journal of Thermal Sciences*, **2013**, 69, 21-36	4.1	72
337	Computerized detection of breast cancer with artificial intelligence and thermograms. *Journal of Medical Engineering and Technology*, **2002**, 26, 152-7	1.8	67
336	Automated beat-wise arrhythmia diagnosis using modified U-net on extended electrocardiographic recordings with heterogeneous arrhythmia types. *Computers in Biology and Medicine*, **2019**, 105, 92-101	7	67
335	Study of normal ocular thermogram using textural parameters. *Infrared Physics and Technology*, **2010**, 53, 120-126	2.7	63
334	Advanced integrated technique in breast cancer thermography. *Journal of Medical Engineering and Technology*, **2008**, 32, 103-14	1.8	60
333	Computer simulation in conjunction with medical thermography as an adjunct tool for early detection of breast cancer. *BMC Cancer*, **2004**, 4, 17	4.8	60
332	Boundary element method with bioheat equation for skin burn injury. *Burns*, **2009**, 35, 987-97	2.3	58
331	Prediction of skin burn injury. Part 2: Parametric and sensitivity analysis. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, **2002**, 216, 171-83	1.7	58
330	Application of infrared thermography in computer aided diagnosis. *Infrared Physics and Technology*, **2014**, 66, 160-175	2.7	57

329	BREAST THERMOGRAPHY AS A POTENTIAL NON-CONTACT METHOD IN THE EARLY DETECTION OF CANCER: A REVIEW. *Journal of Mechanics in Medicine and Biology*, **2013**, 13, 1330001	0.7	57
328	CFD modelling of abdominal aortic aneurysm on hemodynamic loads using a realistic geometry with CT. *Computational and Mathematical Methods in Medicine*, **2013**, 2013, 472564	2.8	57
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326	Analysis of Breast Thermography Using Fractal Dimension to Establish Possible Difference between Malignant and Benign Patterns. *Journal of Healthcare Engineering*, **2010**, 1, 27-44	3.7	57
325	Unsteady stenosis flow prediction: a comparative study of non-Newtonian models with operator splitting scheme. *Medical Engineering and Physics*, **2000**, 22, 265-77	2.4	57
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321	Downwind offshore wind turbines: Opportunities, trends and technical challenges. *Renewable and Sustainable Energy Reviews*, **2016**, 54, 797-808	16.2	48
320	Computer-aided diagnosis of Myocardial Infarction using ultrasound images with DWT, GLCM and HOS methods: A comparative study. *Computers in Biology and Medicine*, **2015**, 62, 86-93	7	48
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318	Computerized breast thermography: study of image segmentation and temperature cyclic variations. *Journal of Medical Engineering and Technology*, **2001**, 25, 12-6	1.8	47
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315	Analytical gradient-based optimization of offshore wind turbine substructures under fatigue and extreme loads. *Marine Structures*, **2016**, 47, 23-41	3.8	45
314	Ocular surface temperature: a 3D FEM prediction using bioheat equation. *Computers in Biology and Medicine*, **2007**, 37, 829-35	7	44
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311	Computer aided diagnosis of diabetic foot using infrared thermography: A review. *Computers in Biology and Medicine*, **2017**, 91, 326-336	7	42
310	Prediction of skin burn injury. Part 1: Numerical modelling. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, **2002**, 216, 157-70	1.7	41
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306	Automated diagnosis of Age-related Macular Degeneration using greyscale features from digital fundus images. *Computers in Biology and Medicine*, **2014**, 53, 55-64	7	36
305	Separable and non-separable discrete wavelet transform based texture features and image classification of breast thermograms. *Infrared Physics and Technology*, **2013**, 61, 274-286	2.7	36
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268	Combining Convolutional Neural Network and Distance Distribution Matrix for Identification of Congestive Heart Failure. *IEEE Access*, **2018**, 6, 39734-39744	3.5	21
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#	Reference	Impact	Citations
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