Bing Nan Li

List of Publications by Citations

43 papers	2,045 citations	19 h-index	45 g-index
46 ext. papers	2,654 ext. citations	5.7 avg, IF	4.94 L-index

#	Paper	IF	Citations
43	Joint embedding learning and sparse regression: a framework for unsupervised feature selection. *IEEE Transactions on Cybernetics*, **2014**, 44, 793-804	10.2	374
42	Integrating spatial fuzzy clustering with level set methods for automated medical image segmentation. *Computers in Biology and Medicine*, **2011**, 41, 1-10	7	310
41	Speech Emotion Recognition Using Fourier Parameters. *IEEE Transactions on Affective Computing*, **2015**, 6, 69-75	5.7	179
40	Image annotation by multiple-instance learning with discriminative feature mapping and selection. *IEEE Transactions on Cybernetics*, **2014**, 44, 669-80	10.2	155
39	L1-norm-based 2DPCA. *IEEE Transactions on Systems, Man, and Cybernetics*, **2010**, 40, 1170-5		151
38	Smartphone based visual and quantitative assays on upconversional paper sensor. *Biosensors and Bioelectronics*, **2016**, 75, 427-32	11.8	121
37	On an automatic delineator for arterial blood pressure waveforms. *Biomedical Signal Processing and Control*, **2010**, 5, 76-81	4.9	91
36	Quantitative analysis of patients with celiac disease by video capsule endoscopy: A deep learning method. *Computers in Biology and Medicine*, **2017**, 85, 1-6	7	88
35	A new unified level set method for semi-automatic liver tumor segmentation on contrast-enhanced CT images. *Expert Systems With Applications*, **2012**, 39, 9661-9668	7.8	83
34	Near-infrared-light-based nano-platform boosts endosomal escape and controls gene knockdown in vivo. *ACS Nano*, **2014**, 8, 4848-58	16.7	69
33	Multiscale geodesic active contours for ultrasound image segmentation using speckle reducing anisotropic diffusion. *Optics and Lasers in Engineering*, **2014**, 54, 105-116	4.6	38
32	Evaluation of robust wave image processing methods for magnetic resonance elastography. *Computers in Biology and Medicine*, **2014**, 54, 100-8	7	37
31	MREJ: MRE elasticity reconstruction on ImageJ. *Computers in Biology and Medicine*, **2013**, 43, 847-52	7	36
30	Zinc-Dithizone Complex Engineered Upconverting Nanosensors for the Detection of Hypochlorite in Living Cells. *Small*, **2015**, 11, 4568-75	11	34
29	Selective Level Set Segmentation Using Fuzzy Region Competition. *IEEE Access*, **2016**, 4, 4777-4788	3.5	27
28	Mesoporous silica-coated upconversion nanocrystals for near infrared light-triggered control of gene expression in zebrafish. *Nanomedicine*, **2015**, 10, 1051-61	5.6	21
27	Oxidative cleavage-based upconversional nanosensor for visual evaluation of antioxidant activity of drugs. *Biosensors and Bioelectronics*, **2015**, 64, 88-93	11.8	20

26	Block Principal Component Analysis With Nongreedy $ell _{1}$ -Norm Maximization. *IEEE Transactions on Cybernetics*, **2016**, 46, 2543-2547	10.2	20
25	Modeling shear modulus distribution in magnetic resonance elastography with piecewise constant level sets. *Magnetic Resonance Imaging*, **2012**, 30, 390-401	3.3	19
24	Development of a mobile pulse waveform analyzer for cardiovascular health monitoring. *Computers in Biology and Medicine*, **2008**, 38, 438-45	7	17
23	Diagonal principal component analysis with non-greedy -norm maximization for face recognition. *Neurocomputing*, **2016**, 171, 57-62	5.4	15
22	On decision making support in blood bank information systems. *Expert Systems With Applications*, **2008**, 34, 1522-1532	7.8	14
21	Robust Locality Preserving Projections With Cosine-Based Dissimilarity for Linear Dimensionality Reduction. *IEEE Access*, **2017**, 5, 2676-2684	3.5	13
20	A Novel Segmentation Approach Combining Region- and Edge-Based Information for Ultrasound Images. *BioMed Research International*, **2017**, 2017, 9157341	3	12
19	SIBAS: a blood bank information system and its 5-year implementation at Macau. *Computers in Biology and Medicine*, **2007**, 37, 588-97	7	12
18	A novel intelligent sphygmogram analyzer for health monitoring of cardiovascular system. *Expert Systems With Applications*, **2005**, 28, 693-700	7.8	12
17	Numerical Study of Pillar Shapes in Deterministic Lateral Displacement Microfluidic Arrays for Spherical Particle Separation. *IEEE Transactions on Nanobioscience*, **2015**, 14, 660-7	3.4	11
16	Integrating FCM and Level Sets for Liver Tumor Segmentation. *IFMBE Proceedings*, **2009**, 202-205	0.2	9
15	An Application of Morphological Feature Extraction and Support Vector Machines in Computerized ECG Interpretation **2007**,		9
14	Barcode technology in blood bank information systems: upgrade and its impact. *Journal of Medical Systems*, **2006**, 30, 449-57	5.1	9
13	Modelling cardiovascular physiological signals using adaptive Hermite and wavelet basis functions. *IET Signal Processing*, **2010**, 4, 588	1.7	7
12	Regularized Taylor Echo State Networks for Predictive Control of Partially Observed Systems. *IEEE Access*, **2016**, 1-1	3.5	6
11	Celiac Disease Detection From Videocapsule Endoscopy Images Using Strip Principal Component Analysis. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2021**, 18, 1396-1404	3	6
10	An integrative framework for 3D cobb angle measurement on CT images. *Computers in Biology and Medicine*, **2017**, 82, 111-118	7	5
9	Design and implementation of a pulse wave generator based on Windkessel model using field programmable gate array technology. *Biomedical Signal Processing and Control*, **2017**, 36, 93-101	4.9	3

8	Toward detection of aliases without string similarity. *Information Sciences*, **2014**, 261, 89-100	7.7	3
7	Development of a magnetoinductive lens for magnetic resonance imaging. *IEEE Instrumentation and Measurement Magazine*, **2017**, 20, 56-60	1.4	3
6	SenseViewer: A unified rendering interface of visual and haptic cues in medical images **2013**,		2
5	Level Set Diffusion for MRE Image Enhancement. *Lecture Notes in Computer Science*, **2010**, 305-313	0.9	2
4	OpenMRE: A Numerical Platform for MRE Study. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 1111-1121	7.3	2
3	A MULTI-RESOLUTION ACTIVE CONTOUR FRAMEWORK FOR ULTRASOUND IMAGE SEGMENTATION. *Series in Computer Vision*, **2014**, 115-129		
2	Liver-elasticity Measuring Device using Foldable Calipers Mechanism for Laparoscopic Surgery. *Journal of Japan Society of Computer Aided Surgery*, **2017**, 19, 27-33	0.1	
1	Liver Function Region Segmentation in Nuclear Medicine Using Mean Shift and Level Set Methods **2016**, 75-83		