

# Bing Nan Li

## List of Publications by Year in Descending Order

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

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	Celiac Disease Detection From Videocapsule Endoscopy Images Using Strip Principal Component Analysis. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2021</b> , 18, 1396-1404	3	6
42	OpenMRE: A Numerical Platform for MRE Study. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 1111-1121	7.3	2
41	An integrative framework for 3D cobb angle measurement on CT images. <i>Computers in Biology and Medicine</i> , <b>2017</b> , 82, 111-118	7	5
40	Quantitative analysis of patients with celiac disease by video capsule endoscopy: A deep learning method. <i>Computers in Biology and Medicine</i> , <b>2017</b> , 85, 1-6	7	88
39	Design and implementation of a pulse wave generator based on Windkessel model using field programmable gate array technology. <i>Biomedical Signal Processing and Control</i> , <b>2017</b> , 36, 93-101	4.9	3
38	Robust Locality Preserving Projections With Cosine-Based Dissimilarity for Linear Dimensionality Reduction. <i>IEEE Access</i> , <b>2017</b> , 5, 2676-2684	3.5	13
37	Development of a magnetoinductive lens for magnetic resonance imaging. <i>IEEE Instrumentation and Measurement Magazine</i> , <b>2017</b> , 20, 56-60	1.4	3
36	Liver-elasticity Measuring Device using Foldable Calipers Mechanism for Laparoscopic Surgery. <i>Journal of Japan Society of Computer Aided Surgery</i> , <b>2017</b> , 19, 27-33	0.1	
35	A Novel Segmentation Approach Combining Region- and Edge-Based Information for Ultrasound Images. <i>BioMed Research International</i> , <b>2017</b> , 2017, 9157341	3	12
34	Smartphone based visual and quantitative assays on upconversional paper sensor. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 75, 427-32	11.8	121
33	Diagonal principal component analysis with non-greedy $\ell_1$ -norm maximization for face recognition. <i>Neurocomputing</i> , <b>2016</b> , 171, 57-62	5.4	15
32	Regularized Taylor Echo State Networks for Predictive Control of Partially Observed Systems. <i>IEEE Access</i> , <b>2016</b> , 1-1	3.5	6
31	Block Principal Component Analysis With Nongreedy $\ell_1$ -Norm Maximization. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 2543-2547	10.2	20
30	Liver Function Region Segmentation in Nuclear Medicine Using Mean Shift and Level Set Methods <b>2016</b> , 75-83		
29	Selective Level Set Segmentation Using Fuzzy Region Competition. <i>IEEE Access</i> , <b>2016</b> , 4, 4777-4788	3.5	27
28	Mesoporous silica-coated upconversion nanocrystals for near infrared light-triggered control of gene expression in zebrafish. <i>Nanomedicine</i> , <b>2015</b> , 10, 1051-61	5.6	21
27	Speech Emotion Recognition Using Fourier Parameters. <i>IEEE Transactions on Affective Computing</i> , <b>2015</b> , 6, 69-75	5.7	179

26	Numerical Study of Pillar Shapes in Deterministic Lateral Displacement Microfluidic Arrays for Spherical Particle Separation. <i>IEEE Transactions on Nanobioscience</i> , <b>2015</b> , 14, 660-7	3.4	11
25	Oxidative cleavage-based upconversional nanosensor for visual evaluation of antioxidant activity of drugs. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 64, 88-93	11.8	20
24	Zinc-Dithizone Complex Engineered Upconverting Nanosensors for the Detection of Hypochlorite in Living Cells. <i>Small</i> , <b>2015</b> , 11, 4568-75	11	34
23	Multiscale geodesic active contours for ultrasound image segmentation using speckle reducing anisotropic diffusion. <i>Optics and Lasers in Engineering</i> , <b>2014</b> , 54, 105-116	4.6	38
22	Evaluation of robust wave image processing methods for magnetic resonance elastography. <i>Computers in Biology and Medicine</i> , <b>2014</b> , 54, 100-8	7	37
21	Near-infrared-light-based nano-platform boosts endosomal escape and controls gene knockdown in vivo. <i>ACS Nano</i> , <b>2014</b> , 8, 4848-58	16.7	69
20	Toward detection of aliases without string similarity. <i>Information Sciences</i> , <b>2014</b> , 261, 89-100	7.7	3
19	A MULTI-RESOLUTION ACTIVE CONTOUR FRAMEWORK FOR ULTRASOUND IMAGE SEGMENTATION. <i>Series in Computer Vision</i> , <b>2014</b> , 115-129		
18	Image annotation by multiple-instance learning with discriminative feature mapping and selection. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 669-80	10.2	155
17	Joint embedding learning and sparse regression: a framework for unsupervised feature selection. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 793-804	10.2	374
16	MREJ: MRE elasticity reconstruction on ImageJ. <i>Computers in Biology and Medicine</i> , <b>2013</b> , 43, 847-52	7	36
15	SenseViewer: A unified rendering interface of visual and haptic cues in medical images <b>2013</b> ,		2
14	A new unified level set method for semi-automatic liver tumor segmentation on contrast-enhanced CT images. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 9661-9668	7.8	83
13	Modeling shear modulus distribution in magnetic resonance elastography with piecewise constant level sets. <i>Magnetic Resonance Imaging</i> , <b>2012</b> , 30, 390-401	3.3	19
12	Integrating spatial fuzzy clustering with level set methods for automated medical image segmentation. <i>Computers in Biology and Medicine</i> , <b>2011</b> , 41, 1-10	7	310
11	L1-norm-based 2DPCA. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2010</b> , 40, 1170-5		151
10	Modelling cardiovascular physiological signals using adaptive Hermite and wavelet basis functions. <i>IET Signal Processing</i> , <b>2010</b> , 4, 588	1.7	7
9	On an automatic delineator for arterial blood pressure waveforms. <i>Biomedical Signal Processing and Control</i> , <b>2010</b> , 5, 76-81	4.9	91

8	Level Set Diffusion for MRE Image Enhancement. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 305-313	0.9	2
7	Integrating FCM and Level Sets for Liver Tumor Segmentation. <i>IFMBE Proceedings</i> , <b>2009</b> , 202-205	0.2	9
6	Development of a mobile pulse waveform analyzer for cardiovascular health monitoring. <i>Computers in Biology and Medicine</i> , <b>2008</b> , 38, 438-45	7	17
5	On decision making support in blood bank information systems. <i>Expert Systems With Applications</i> , <b>2008</b> , 34, 1522-1532	7.8	14
4	An Application of Morphological Feature Extraction and Support Vector Machines in Computerized ECG Interpretation <b>2007</b> ,		9
3	SIBAS: a blood bank information system and its 5-year implementation at Macau. <i>Computers in Biology and Medicine</i> , <b>2007</b> , 37, 588-97	7	12
2	Barcode technology in blood bank information systems: upgrade and its impact. <i>Journal of Medical Systems</i> , <b>2006</b> , 30, 449-57	5.1	9
1	A novel intelligent sphygmogram analyzer for health monitoring of cardiovascular system. <i>Expert Systems With Applications</i> , <b>2005</b> , 28, 693-700	7.8	12