

# Yu-Len Huang

## List of Publications by Year in descending order

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44  
papers

1,351  
citations

567281

15  
h-index

454955

30  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1089  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnosis of breast tumors with sonographic texture analysis using wavelet transform and neural networks. <i>Ultrasound in Medicine and Biology</i> , 2002, 28, 1301-1310.	1.5	180
2	Computer-aided Diagnosis Applied to US of Solid Breast Nodules by Using Neural Networks. <i>Radiology</i> , 1999, 213, 407-412.	7.3	177
3	Watershed segmentation for breast tumor in 2-D sonography. <i>Ultrasound in Medicine and Biology</i> , 2004, 30, 625-632.	1.5	164
4	Breast cancer diagnosis using self-organizing map for sonography. <i>Ultrasound in Medicine and Biology</i> , 2000, 26, 405-411.	1.5	158
5	Diagnosis of breast tumors with ultrasonic texture analysis using support vector machines. <i>Neural Computing and Applications</i> , 2006, 15, 164-169.	5.6	97
6	Diagnosis of Hepatic Tumors With Texture Analysis in Nonenhanced Computed Tomography Images. <i>Academic Radiology</i> , 2006, 13, 713-720.	2.5	85
7	Support vector machines in sonography. <i>Clinical Imaging</i> , 2005, 29, 179-184.	1.5	56
8	Level Set Contouring for Breast Tumor in Sonography. <i>Journal of Digital Imaging</i> , 2007, 20, 238-247.	2.9	52
9	Texture analysis of breast tumors on sonograms. <i>Seminars in Ultrasound, CT and MRI</i> , 2000, 21, 308-316.	1.5	46
10	Computer-aided diagnosis with textural features for breast lesions in sonograms. <i>Computerized Medical Imaging and Graphics</i> , 2011, 35, 220-226.	5.8	40
11	Adaptive Automatic Segmentation of HEp-2 Cells in Indirect Immunofluorescence Images. , 2008, , .		31
12	Outline Detection for the HEp-2 Cell in Indirect Immunofluorescence Images Using Watershed Segmentation. , 2008, , .		27
13	Comparative Analysis of Logistic Regression, Support Vector Machine and Artificial Neural Network for the Differential Diagnosis of Benign and Malignant Solid Breast Tumors by the Use of Three-Dimensional Power Doppler Imaging. <i>Korean Journal of Radiology</i> , 2009, 10, 464.	3.4	24
14	Characterization of Benign and Malignant Solid Breast Masses: Harmonic Versus Nonharmonic 3D Power Doppler Imaging. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 353-359.	1.5	20
15	HEp-2 cell classification in indirect immunofluorescence images. , 2009, , .		20
16	Wavelet-based image interpolation using multilayer perceptrons. <i>Neural Computing and Applications</i> , 2005, 14, 1-10.	5.6	16
17	Automatic Contouring for Breast Tumors in 2-D Sonography. , 2005, 2005, 3225-8.		15
18	Intra-Tumor Flow Index Can Predict the Malignant Potential of Breast Tumor: Dependent on Age and Volume. <i>Ultrasound in Medicine and Biology</i> , 2008, 34, 88-95.	1.5	15

#	ARTICLE	IF	CITATIONS
19	Computer-Aided Diagnosis for Breast Tumors by Using Vascularization of 3-D Power Doppler Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 1607-1614.	1.5	15
20	Computer-aided Diagnosis Using Neural Networks and Support Vector Machines for Breast Ultrasonography. <i>Journal of Medical Ultrasound</i> , 2009, 17, 17-24.	0.4	15
21	Application of Artificial Intelligence and Deep Learning for Choroid Segmentation in Myopia. <i>Translational Vision Science and Technology</i> , 2022, 11, 38.	2.2	11
22	Effectiveness of evaluating tumor vascularization using 3D power Doppler ultrasound with high-definition flow technology in the prediction of the response to neoadjuvant chemotherapy for T2 breast cancer: a preliminary report. <i>Physics in Medicine and Biology</i> , 2015, 60, 7763-7778.	3.0	10
23	Breast cancer diagnosis using image retrieval for different ultrasonic systems. , 0, , .		8
24	Using Flow Characteristics in Three-Dimensional Power Doppler Ultrasound Imaging to Predict Complete Responses in Patients Undergoing Neoadjuvant Chemotherapy. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 887-900.	1.7	7
25	Temporal Error Concealment for MPEG Coded Video Using a Self-Organizing Map. <i>IEEE Transactions on Consumer Electronics</i> , 2006, 52, 676-681.	3.6	6
26	Mammographic Density Distribution of Healthy Taiwanese Women and its Naturally Decreasing Trend with Age. <i>Scientific Reports</i> , 2018, 8, 14937.	3.3	6
27	Multiview Contouring for Breast Tumor on Magnetic Resonance Imaging. <i>Journal of Digital Imaging</i> , 2019, 32, 713-727.	2.9	6
28	Baseball Swing Pose Estimation Using OpenPose. , 2021, , .		6
29	Three-Dimensional Region-Based Segmentation for Breast Tumors on Sonography. <i>Journal of Ultrasound in Medicine</i> , 2013, 32, 835-846.	1.7	6
30	Left ventricular myocardium segmentation on delayed phase of multi-detector row computed tomography. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2012, 7, 737-751.	2.8	5
31	Left ventricular myocardium segmentation on arterial phase of multi-detector row computed tomography. <i>Computerized Medical Imaging and Graphics</i> , 2012, 36, 25-37.	5.8	5
32	Left ventricular myocardial volumes measured during arterial and delayed phases of multidetector row computed tomography: a study on intra- and interobserver variability. <i>International Journal of Cardiovascular Imaging</i> , 2009, 25, 55-63.	1.5	4
33	Stellate Masses and Histologic Grades in Breast Cancer. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 904-916.	1.5	4
34	Implant volume estimation in direct-to-implant breast reconstruction after nipple-sparing mastectomy. <i>Journal of Surgical Research</i> , 2018, 231, 290-296.	1.6	4
35	Intra-operative Tumor Margin Evaluation in Breast-Conserving Surgery with Deep Learning. <i>Journal of Image and Graphics(United Kingdom)</i> , 2019, 7, 90-93.	3.2	3
36	Automatic detection of antinuclear autoantibodies cells in indirect immunofluorescence images. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
37	Spiculation Analysis of Breast Tumors on 3D Ultrasound. , 2012, , .		2
38	Clustering Synonymous English and Chinese Keywords for Cross-Language Queries. , 2007, , .		1
39	Breast Tumor Segmentation Based on Level-Set Method in 3D Sonography. , 2013, , .		1
40	Three-Dimensional Region-Based Segmentation for Breast Tumors on Sonography. Journal of Ultrasound in Medicine, 2013, 32, 835-846.	1.7	1
41	Blind Adaptive Shift Length Watermarking For Digital Images. , 2006, , .		0
42	Doppler Ultrasound High-definition Flow Imaging in the Study of Breast Cancer Neo-adjuvant Chemotherapy. , 2017, , .		0
43	Adaptive Segmentation Method for Evaluating of Choroidal Thickness on Optical Coherence Tomography. , 2018, , .		0
44	Automatic Segment and Quantify Choroid Layer in Myopic eyes: Deep Learning based Model. Seminars in Ophthalmology, 2022, , 1-8.	1.6	0