Wen-Hung Liao

List of Publications by Year
in descending order

40 papers	553 citations	1684188 5 h-index	1281871 11 g-index
44 all docs	44 docs citations	44 times ranked	717 citing authors

#	Article	IF	Citations
1	Ensemble Hierarchical Extreme Learning Machine for Speech Dereverberation. IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 744-758.	3.8	11
2	GODoc: high-throughput protein function prediction using novel k-nearest-neighbor and voting algorithms. BMC Bioinformatics, 2020, 21, 276.	2.6	2
3	Analysis of Learning Patterns and Performance—A Case Study of 3-D Modeling Lessons in the K-12 Classrooms. IEEE Access, 2020, 8, 186976-186992.	4.2	3
4	Toward Automatic Recognition of Cursive Chinese Calligraphy : An Open Dataset For Cursive Chinese Calligraphy Text*. , 2020, , .		1
5	Audio-Visual Speech Enhancement using Hierarchical Extreme Learning Machine. , 2019, , .		1
6	Analyzing Social Network Data Using Deep Neural Networks: A Case Study Using Twitter Posts. , 2019, , .		4
7	The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens. Genome Biology, 2019, 20, 244.	8.8	261
8	Applying Deep Convolutional Neural Network to Cursive Chinese Calligraphy Recognition. Communications in Computer and Information Science, 2019, , 646-653.	0.5	0
9	Analysis of Voice Styles Using i-Vector Features. Communications in Computer and Information Science, 2019, , 636-645.	0.5	0
10	Evaluation of Student's 3D Modeling Capability Based on Model Completeness and Usage Pattern in K-12 Classrooms. , 2018, , .		1
11	Experimental Study on Extreme Learning Machine Applications for Speech Enhancement. IEEE Access, 2017, 5, 25542-25554.	4.2	38
12	Classification of Reading Patterns Based on Gaze Information. , 2017, , .		5
13	Feature descriptor based on local intensity order relations of pixel group. , 2016, , .		0
14	Evaluation of Interactive Data Visualization Tools Based on Gaze and Mouse Tracking. , 2016, , .		2
15	Feature Description Using Center-Symmetric Extended Local Ternary Patterns. , 2014, , .		0
16	A Sharpness Measure for Image Quality Assessment Using Average Effective Number of Neighbors. , 2013, , .		1
17	Sleep monitoring system in real bedroom environment using texture-based background modeling approaches. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 57-66.	4.9	15
18	Exploring the Reading Experiences of High School Students on E-Book Reader. International Journal of Online Pedagogy and Course Design, 2013, 3, 17-32.	0.4	0

#	Article	IF	Citations
19	Incorporating Fuzziness in Extended Local Ternary Patterns. , 2012, , .		2
20	Analysis and Interpretation of e-Reader User Logs: A Case Study of High School Students' User Behaviors. , 2011, , .		2
21	Pedestrian Detection Using Covariance Descriptor and On-line Learning. , 2011, , .		3
22	Streaming audio classification in Smart Home environments. , 2011, , .		1
23	Facilitating high school campus learning with e-book readers. , 2010, , .		1
24	Robust pupil detection for gaze-based user interface. , 2010, , .		0
25	Region Description Using Extended Local Ternary Patterns. , 2010, , .		53
26	Texture Classification Using Uniform Extended Local Ternary Patterns. , 2010, , .		20
27	Automatic Generation of Caricatures with Multiple Expressions Using Transformative Approach. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 263-271.	0.3	1
28	A framework for attention-based personal photo manager. , 2009, , .		1
29	Classification of non-speech human sounds: Feature selection and snoring sound analysis. , 2009, , .		16
30	Estimation of Skin Color Range Using Achromatic Features. , 2008, , .		3
31	Video-based activity and movement pattern analysis in overnight sleep studies. , 2008, , .		50
32	Classification of Audio Signals in All-Night Sleep Studies. , 2006, , .		5
33	A Captcha Mechanism By Exchange Image Blocks. , 2006, , .		6
34	Generation of 3D Caricature by Fusing Caricature Images. , 2006, , .		9
35	Cooperative matching paradigm for the analysis of stereo image sequences. International Journal of Imaging Systems and Technology, 1998, 9, 192-200.	4.1	5
36	Curve and surface interpolation using rational radial basis functions. , 1996, , .		2

#	Article	IF	Citations
37	Analysis of left ventricular motion. Lecture Notes in Computer Science, 1996, , 43-58.	1.3	0
38	Reconstruction of dynamic 3-D structures of biological objects using stereo microscopy. , 0, , .		4
39	Homomorphic processing techniques for near-infrared images. , 0, , .		4
40	Embedding information within dynamic visual patterns. , 0, , .		7