David Masip RodÃ³

List of Publications by Year
in descending order

39 papers	686 citations	623734 14 h-index	580821 25 g-index
39 all docs	39 docs citations	39 times ranked	793 citing authors

#	Article	IF	Citations
1	Learnheuristics: hybridizing metaheuristics with machine learning for optimization with dynamic inputs. Open Mathematics, 2017, 15, 261-280.	1.0	114
2	On the use of Monte Carlo simulation, cache and splitting techniques to improve the Clarke and Wright savings heuristics. Journal of the Operational Research Society, 2011, 62, 1085-1097.	3.4	95
3	Supervised Committee of Convolutional Neural Networks in Automated Facial Expression Analysis. IEEE Transactions on Affective Computing, 2018, 9, 343-350.	8.3	72
4	Combining statistical learning with metaheuristics for the Multi-Depot Vehicle Routing Problem with market segmentation. Computers and Industrial Engineering, 2016, 94, 93-104.	6.3	56
5	Interpreting CNN Models for Apparent Personality Trait Regression. , 2017, , .		37
6	Automatic Prediction of Facial Trait Judgments: Appearance vs. Structural Models. PLoS ONE, 2011, 6, e23323.	2.5	33
7	Geometry-Based Ensembles: Toward a Structural Characterization of the Classification Boundary. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1140-1146.	13.9	27
8	Boosted Online Learning for Face Recognition. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 530-538.	5.0	21
9	Shared Feature Extraction for Nearest Neighbor Face Recognition. IEEE Transactions on Neural Networks, 2008, 19, 586-595.	4.2	20
10	Boosted discriminant projections for nearest neighbor classification. Pattern Recognition, 2006, 39, 164-170.	8.1	19
11	Preferred Spatial Frequencies for Human Face Processing Are Associated with Optimal Class Discrimination in the Machine. PLoS ONE, 2008, 3, e2590.	2.5	19
12	Automated gesture tracking in head-fixed mice. Journal of Neuroscience Methods, 2018, 300, 184-195.	2.5	17
13	An ensemble-based method for linear feature extraction for two-class problems. Pattern Analysis and Applications, 2005, 8, 227-237.	4.6	16
14	Multitask, Multilabel, and Multidomain Learning With Convolutional Networks for Emotion Recognition. IEEE Transactions on Cybernetics, 2022, 52, 4764-4771.	9.5	15
15	Online error correcting output codes. Pattern Recognition Letters, 2011, 32, 458-467.	4.2	14
16	Computer Methods for Automatic Locomotion and Gesture Tracking in Mice and Small Animals for Neuroscience Applications: A Survey. Sensors, 2019, 19, 3274.	3.8	14
17	A Deep Convolutional Neural Network for Classification of Aedes Albopictus Mosquitoes. IEEE Access, 2021, 9, 72681-72690.	4.2	13
18	Emotion recognition from mid-level features. Pattern Recognition Letters, 2015, 67, 66-74.	4.2	12

#	Article	IF	Citations
19	Automated Prediction of Preferences Using Facial Expressions. PLoS ONE, 2014, 9, e87434.	2.5	10
20	A sparse Bayesian approach for joint feature selection and classifier learning. Pattern Analysis and Applications, 2008, 11, 299-308.	4.6	9
21	Deep Learning of Retinal Imaging: A Useful Tool for Coronary Artery Calcium Score Prediction in Diabetic Patients. Applied Sciences (Switzerland), 2022, 12, 1401.	2.5	7
22	Feature Extraction Methods for Real-Time Face Detection and Classification. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	6
23	Automatic point-based facial trait judgments evaluation. , 2010, , .		4
24	Opinion Mining on Educational Resources at the Open University of Catalonia. , 2013, , .		4
25	A Novel Method for Reconstructing CT Images in GATE/GEANT4 with Application in Medical Imaging: A Complexity Analysis Approach. Journal of Information Processing, 2020, 28, 161-168.	0.4	4
26	Projectes dels estudiants per a potenciar lâ€™aprenentatge mÃ²bil en lâ€™ensenyament superior. RUSC Universities and Knowledge Society Journal, 2014, 11, 192.	1.4	3
27	Winner takes all hashing for speeding up the training of neural networks in large class problems. Pattern Recognition Letters, 2017, 93, 38-47.	4.2	3
28	Limbs Detection and Tracking of Head-Fixed Mice for Behavioral Phenotyping Using Motion Tubes and Deep Learning. IEEE Access, 2020, 8, 37891-37901.	4.2	3
29	A Deep Multimodal Learning Approach to Perceive Basic Needs of Humans From Instagram Profile. IEEE Transactions on Affective Computing, 2023, 14, 944-956.	8.3	3
30	On the use of independent tasks for face recognition. , 2008, , .		2
31	Predicting dominance judgements automatically: A machine learning approach. , 2011, , .		2
32	An Experimental Comparison of Dimensionality Reduction for Face Verification Methods. Lecture Notes in Computer Science, 2003, , 530-537.	1.3	2
33	Automatic Detection of Facial Feature Points via HOGs and Geometric Prior Models. Lecture Notes in Computer Science, 2011, , 371-378.	1.3	2
34	The Role of Facial Regions in Evaluating Social Dimensions. Lecture Notes in Computer Science, 2012, , 210-219.	1.3	2
35	On the Use of Uncertainty in Classifying Aedes Albopictus Mosquitoes. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 224-233.	10.8	2
36	Computational Methods for Neuron Segmentation in Two-Photon Calcium Imaging Data: A Survey. Applied Sciences (Switzerland), 2022, 12, 6876.	2.5	2

#	Article	IF	Citations
37	Feature extraction for nearest neighbor classification: Application to gender recognition. International Journal of Intelligent Systems, 2005, 20, 561-576.	5.7	1
38	Adding Classes Online in Error Correcting Output Codes Framework. , 2010, , .		1
39	Emotion Detection Using Hybrid Structural and Appearance Descriptors. Lecture Notes in Computer Science, 2013, , 105-116.	1.3	0