Reza Ebrahimpour

List of Publications by Year
in descending order

111 papers	1,929 citations	331670 21 h-index	302126 39 g-index
118 all docs	118 docs citations	118 times ranked	1709 citing authors

#	Article	IF	Citations
1	The role of expertise in visual exploration and aesthetic judgment of residential building faÃ§ades: An eye-tracking study.. Psychology of Aesthetics, Creativity, and the Arts, 2022, 16, 148-163.	1.3	8
2	Excitatory deep brain stimulation quenches beta oscillations arising in a computational model of the subthalamo-pallidal loop. Scientific Reports, 2022, 12, 7845.	3.3	6
3	A Human Visual System Based Temporal Model for Semantic Levels Categorization. IEEE Access, 2021, 9, 32873-32881.	4.2	1
4	Extraction of the structural mode shapes utilizing image processing method and data fusion. Mechanical Systems and Signal Processing, 2021, 151, 107380.	8.0	5
5	A Novel Iterative Rigid Image Registration Algorithm Based on the Newton Method. International Journal of Image and Graphics, 2021, 21, 2150013.	1.5	0
6	A temporal hierarchical feedforward model explains both the time and the accuracy of object recognition. Scientific Reports, 2021, 11, 5640.	3.3	7
7	A Recurrent Temporal Model for Semantic Levels Categorization Based on Human Visual System. Computational Intelligence and Neuroscience, 2021, 2021, 1-20.	1.7	1
8	Dissociable Contribution of Extrastriate Responses to Representational Enhancement of Gaze Targets. Journal of Cognitive Neuroscience, 2021, 33, 1-14.	2.3	3
9	Taskâ€dependent neural representations of visual object categories. European Journal of Neuroscience, 2021, 54, 6445-6462.	2.6	7
10	Q-Learning-Oriented Distributed Energy Management of Grid-Connected Microgrid. , 2021, , .		0
11	Optimal Temporal Gap between Two Different Visual Stimuli for Optimal Perception in Perceptual Decision- Making. The Neuroscience Journal of Shefaye Khatam, 2021, 9, 41-50.	0.4	1
12	Investigation of Certainty in High-Level Decisions by Analyzing Behavioral Data. The Neuroscience Journal of Shefaye Khatam, 2021, 10, 56-64.	0.4	0
13	The Role of Symmetry in the Aesthetics of Residential Building FaÃ§ades Using Cognitive Science Methods. Symmetry, 2020, 12, 1438.	2.2	9
14	Q-learning Approach for Optimal Power Dispatch of Microgrid. , 2020, , .		0
15	Early diagnosis of Alzheimer's dementia with the artificial intelligenceâ€based Integrated Cognitive Assessment. Alzheimer's and Dementia, 2020, 16, e042863.	0.8	2
16	Decentralized multi-agent based energy management of microgrid using reinforcement learning. International Journal of Electrical Power and Energy Systems, 2020, 122, 106211.	5.5	82
17	Occluded Visual Object Recognition Using Deep Conditional Generative Adversarial Nets and Feedforward Convolutional Neural Networks. , 2020, , .		2
18	Inherent Importance of Early Visual Features in Attraction of Human Attention. Computational Intelligence and Neuroscience, 2020, 2020, 1-15.	1.7	2

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19	Modification and hardware implementation of cortex‐like object recognition model. IET Image Processing, 2020, 14, 3490-3498.	2.5	1
20	The Relationship Between Pupil Diameter Data and Confidence in Multi-Stage Decisions. The Neuroscience Journal of Shefaye Khatam, 2020, 8, 70-79.	0.4	3
21	Mechanisms of Facial Tuning in a Brain-inspired Deep Network. Journal of Vision, 2020, 20, 1463.	0.3	0
22	The Role of Explicit and Implicit Confidence in Multi Stage Decisions. Advances in Cognitive Science, 2020, 22, 37-47.	0.1	1
23	Deep Real-world and Real-time Face Identification System. , 2019, , .		1
24	Sequence-dependent sensitivity explains the accuracy of decisions when cues are separated with a gap. Attention, Perception, and Psychophysics, 2019, 81, 2745-2754.	1.3	6
25	Beyond core object recognition: Recurrent processes account for object recognition under occlusion. PLoS Computational Biology, 2019, 15, e1007001.	3.2	61
26	Residual Information of Previous Decision Affects Evidence Accumulation in Current Decision. Frontiers in Behavioral Neuroscience, 2019, 13, 9.	2.0	10
27	Confidence Representation of Perceptual Decision by EEG and Eye Data in a Random Dot Motion Task. Neuroscience, 2019, 406, 510-527.	2.3	17
28	Handwritten Farsi Word Recognition Using NN-Based Fusion of HMM Classifiers with Different Types of Features. International Journal of Image and Graphics, 2019, 19, 1950001.	1.5	13
29	Spatiotemporal analysis of category and target-related information processing in the brain during object detection. Behavioural Brain Research, 2019, 362, 224-239.	2.2	17
30	Effects of Regular and Irregular Deep Brain Stimulation on the Basal Ganglia Dynamics: A Computational Approach. The Neuroscience Journal of Shefaye Khatam, 2019, 7, 1-12.	0.4	2
31	Changing in the Reaction Time Causes the Confidence Matching in Group Decision Making. The Neuroscience Journal of Shefaye Khatam, 2019, 7, 61-70.	0.4	2
32	Perceptual manifestations of auditory modulation during speech planning. Experimental Brain Research, 2018, 236, 1963-1969.	1.5	8
33	An adaptive approach to compensate seam tracking error in robotic welding process by a moving fixture. International Journal of Advanced Robotic Systems, 2018, 15, 172988141881620.	2.1	2
34	Combining RtL and LtR HMMs to recognise handwritten Farsi words of small‐and medium‐sized vocabularies. IET Computer Vision, 2018, 12, 925-932.	2.0	3
35	The Time Course of Visual Processing on Different Levels of Object Categorization with the Same Stimulus: A Behavioral Study. The Neuroscience Journal of Shefaye Khatam, 2018, 6, 41-50.	0.4	0
36	The essential role of recurrent processing during object recognition under occlusion. Journal of Vision, 2018, 18, 906.	0.3	0

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37	Average activity, but not variability, is the dominant factor in the representation of object categories in the brain. Neuroscience, 2017, 346, 14-28.	2.3	23
38	Hard-wired feed-forward visual mechanisms of the brain compensate for affine variations in object recognition. Neuroscience, 2017, 349, 48-63.	2.3	25
39	A Resource-Limited Hardware Accelerator for Convolutional Neural Networks in Embedded Vision Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1217-1221.	3.0	58
40	Invariant object recognition is a personalized selection of invariant features in humans, not simply explained by hierarchical feed-forward vision models. Scientific Reports, 2017, 7, 14402.	3.3	24
41	A specialized face-processing model inspired by the organization of monkey face patches explains several face-specific phenomena observed in humans. Scientific Reports, 2016, 6, 25025.	3.3	31
42	How popular CNNs perform in real applications of face recognition. , 2016, , .		13
43	The Role of the Primary Information on Importance of the Last Information in Decision Making. The Neuroscience Journal of Shefaye Khatam, 2016, 4, 26-34.	0.4	7
44	The Influence of Past Decision Information on Decision Making in the Present. The Neuroscience Journal of Shefaye Khatam, 2016, 4, 1-8.	0.4	4
45	Prediction of Gene Co-Expression by Quantifying Heterogeneous Features. Current Bioinformatics, 2015, 10, 414-424.	1.5	2
46	An Evidence-Based Combining Classifier for Brain Signal Analysis. PLoS ONE, 2014, 9, e84341.	2.5	5
47	Feedforward object-vision models only tolerate small image variations compared to human. Frontiers in Computational Neuroscience, 2014, 8, 74.	2.1	28
48	The importance of visual features in generic vs. specialized object recognition: a computational study. Frontiers in Computational Neuroscience, 2014, 8, 78.	2.1	4
49	Capacity theorems for the Cognitive Radio Channel with confidential messages. , 2014, , .		7
50	Mixture of feature specified experts. Information Fusion, 2014, 20, 242-251.	19.1	19
51	Mixture of experts: a literature survey. Artificial Intelligence Review, 2014, 42, 275-293.	15.7	222
52	LocFuse: Human protein–protein interaction prediction via classifier fusion using protein localization information. Genomics, 2014, 104, 496-503.	2.9	51
53	Predicting protein–protein interactions between human and hepatitis C virus via an ensemble learning method. Molecular BioSystems, 2014, 10, 3147-3154.	2.9	46
54	The impact of the lateral geniculate nucleus and corticogeniculate interactions on efficient coding and higher-order visual object processing. Vision Research, 2014, 101, 82-93.	1.4	17

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55	Protein-protein interaction prediction by combined analysis of genomic and conservation information. Genes and Genetic Systems, 2014, 89, 259-272.	0.7	7
56	Electrocardiogram beat classification via coupled boosting by filtering and preloaded mixture of experts. Neural Computing and Applications, 2013, 23, 1169-1178.	5.6	6
57	Boost-wise pre-loaded mixture of experts for classification tasks. Neural Computing and Applications, 2013, 22, 365-377.	5.6	6
58	New differential fault analysis on PRESENT. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	36
59	Combining classifiers using nearest decision prototypes. Applied Soft Computing Journal, 2013, 13, 4570-4578.	7.2	11
60	Improving combination method of NCL experts using gating network. Neural Computing and Applications, 2013, 22, 95-101.	5.6	7
61	Predicting the human reaction time based on natural image statistics in a rapid categorization task. Vision Research, 2013, 81, 36-44.	1.4	17
62	Classification of ECG arrhythmia by a modular neural network based on Mixture of Experts and Negatively Correlated Learning. Biomedical Signal Processing and Control, 2013, 8, 289-296.	5.7	101
63	PPIevo : Protein–protein interaction prediction from PSSM based evolutionary information. Genomics, 2013, 102, 237-242.	2.9	131
64	Multiple classifier system for EEG signal classification with application to brain–computer interfaces. Neural Computing and Applications, 2013, 23, 1319-1327.	5.6	67
65	Optimized real-time soft analyzer for chemical process using artificial intelligence. , 2013, , .		0
66	Differential fault analysis on PRINT cipher. IET Networks, 2013, 2, 30-36.	1.8	3
67	Using Combination of μ, β and γ Bands in Classification of EEG Signals. Basic and Clinical Neuroscience, 2013, 4, 76-87.	0.6	4
68	EEG-based motor imagery classification using wavelet coefficients and ensemble classifiers. , 2012, , .		6
69	How Can Selection of Biologically Inspired Features Improve the Performance of a Robust Object Recognition Model?. PLoS ONE, 2012, 7, e32357.	2.5	34
70	Combining features of negative correlation learning with mixture of experts in proposed ensemble methods. Applied Soft Computing Journal, 2012, 12, 3539-3551.	7.2	18
71	Boosted Pre-loaded Mixture of Experts for low-resolution face recognition. International Journal of Hybrid Intelligent Systems, 2012, 9, 145-158.	1.2	2
72	A Stable Biologically Motivated Learning Mechanism for Visual Feature Extraction to Handle Facial Categorization. PLoS ONE, 2012, 7, e38478.	2.5	15

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73	Incorporation of a Regularization Term to Control Negative Correlation in Mixture of Experts. Neural Processing Letters, 2012, 36, 31-47.	3.2	15
74	Combination of multiple diverse classifiers using belief functions for handling data with imperfect labels. Expert Systems With Applications, 2012, 39, 1698-1707.	7.6	21
75	ECG arrhythmia recognition via a neuro-SVMâ€"KNN hybrid classifier with virtual QRS image-based geometrical features. Expert Systems With Applications, 2012, 39, 2047-2058.	7.6	137
76	Vanishing point detection in corridors: using Hough transform and K-means clustering. IET Computer Vision, 2012, 6, 40.	2.0	34
77	Combining complementary information sources in the Dempsterâ€"Shafer framework for solving classification problems with imperfect labels. Knowledge-Based Systems, 2012, 27, 92-102.	7.1	28
78	EPILEPTIC SEIZURE DETECTION USING A NEURAL NETWORK ENSEMBLE METHOD AND WAVELET TRANSFORM. Neural Network World, 2012, 22, 291-310.	0.8	11
79	Improving Mixture of Experts Using Second Order Optimization. Pearl A Journal of Library and Information Science, 2012, 3, 122.	0.0	0
80	Electrocardiogram beat classification using classifier fusion based on Decision Templates. , 2011, , .		2
81	Low resolution face recognition using Mixture of Experts with different representations. , 2011, , .		2
82	Single machine scheduling problem of minimizing maximum earliness and number of tardy jobs using a genetic algorithm. , 2011, , .		1
83	Mixture of MLP-experts for trend forecasting of time series: A case study of the Tehran stock exchange. International Journal of Forecasting, 2011, 27, 804-816.	6.5	51
84	Improving mixture of experts for view-independent face recognition using teacher-directed learning. Machine Vision and Applications, 2011, 22, 421-432.	2.7	13
85	Knitted fabric defect classification for uncertain labels based on Dempsterâ€"Shafer theory of evidence. Expert Systems With Applications, 2011, 38, 5259-5267.	7.6	36
86	Improving ECG Classification Accuracy Using an Ensemble of Neural Network Modules. PLoS ONE, 2011, 6, e24386.	2.5	45
87	Farsi handwritten digit recognition based on mixture of RBF experts. IEICE Electronics Express, 2010, 7, 1014-1019.	0.8	16
88	Evidence-based mixture of MLP-experts. , 2010, , .		1
89	Single training sample Face recognition using fusion of Gabor responses. , 2010, , .		3
90	Using NCL, an effective way to improve combination methods of neural classifiers. , 2010, , .		1

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91	Improving Classification Performance with Focus on the Complex Areas. Lecture Notes in Computer Science, 2010, , 612-626.	1.3	0
92	Low resolution face recognition using combination of diverse classifiers. , 2010, , .		6
93	Modeling and Compensation of Periodic Nonlinearity in Two-mode Interferometer Using Neural Networks. IETE Journal of Research, 2010, 56, 102.	2.6	11
94	Combining Neural Networks Based on Dempster-Shafer Theory for Classifying Data with Imperfect Labels. Lecture Notes in Computer Science, 2010, , 233-244.	1.3	1
95	A New Framework for Small Sample Size Face Recognition Based on Weighted Multiple Decision Templates. Lecture Notes in Computer Science, 2010, , 470-477.	1.3	3
96	View-Independent Face Recognition with RBF Gating in Mixture of Experts Method by Teacher-Directed Learning. , 2010, , 413-418.		0
97	View-Independent Face Recognition with Biological Features Based on Mixture of Experts. , 2009, , .		2
98	Using Biologically Inspired Visual Features and Mixture of Experts for Face/Nonface Recognition. Lecture Notes in Computer Science, 2009, , 439-448.	1.3	0
99	Teacher-directed learning in view-independent face recognition with mixture of experts using single-view eigenspaces. Journal of the Franklin Institute, 2008, 345, 87-101.	3.4	13
100	Teacher-directed learning in view-independent face recognition with mixture of experts using overlapping eigenspaces. Computer Vision and Image Understanding, 2008, 111, 195-206.	4.7	19
101	View-independent face recognition with Mixture of Experts. Neurocomputing, 2008, 71, 1103-1107.	5.9	28
102	A modified Mixture of FMLP Experts for face recognition. , 2008, , .		1
103	ECOC-based training of neural networks for face recognition. , 2008, , .		9
104	A Mixture of Multilayer Perceptron Experts Network for Modeling Face/Nonface Recognition in Cortical Face Processing Regions. Intelligent Automation and Soft Computing, 2008, 14, 151-162.	2.1	9
105	Face Detection Using Mixture of MLP Experts. Neural Processing Letters, 2007, 26, 69-82.	3.2	31
106	Teacher-Directed Learning with Mixture of Experts for View-Independent Face Recognition. Lecture Notes in Computer Science, 2007, , 601-611.	1.3	5
107	View-Based Eigenspaces with Mixture of Experts for View-Independent Face Recognition. , 2007, , 131-140.		4
108	Face Recognition by Multiple Classifiers, a Divide-and-Conquer Approach. Lecture Notes in Computer Science, 2005, , 225-232.	1.3	9

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109	Image Restoration Using Two Dimensional Fast Euclidean Direction Search Based Adaptive Algorithm. , 2005, , 182-191.		1
110	Machine Fault Diagnosis Using MLPs and RBF Neural Networks. Applied Mechanics and Materials, 0, 110-116, 5021-5028.	0.2	4
111	Explaining Integration of Evidence Separated by a Temporal Gap with Fronto-Centroparietal Circuit Models. SSRN Electronic Journal, 0, , .	0.4	0