Raju S Bapi

List of Publications by Year
in descending order

87 papers	1,579 citations	430874 18 h-index	361022 35 g-index
94 all docs	94 docs citations	94 times ranked	2010 citing authors

#	Article	IF	Citations
1	Mood‐congruent biases in facial emotion perception and their gender dependence. International Journal of Psychology, 2021, 56, 378-386.	2.8	3
2	What Do RDMs Capture in Brain Responses and Computational Models?. Studies in Big Data, 2021, , 1-15.	1.1	0
3	Brain Affective System Inspired Control Architecture: An Application to Nonlinear System. IEEE Access, 2021, 9, 86565-86580.	4.2	3
4	Motor Chunking in Internally Guided Sequencing. Brain Sciences, 2021, 11, 292.	2.3	8
5	Cognitive and Motor Learning in Internally-Guided Motor Skills. Frontiers in Psychology, 2021, 12, 604323.	2.1	2
6	Attention mediates the influence of numerical magnitude on temporal processing. Scientific Reports, 2021, 11, 11030.	3.3	4
7	Effects of Meditation on Structural Changes of the Brain in Patients With Mild Cognitive Impairment or Alzheimer's Disease Dementia. Frontiers in Human Neuroscience, 2021, 15, 728993.	2.0	6
8	IMLE-Net: An Interpretable Multi-level Multi-channel Model for ECG Classification. , 2021, , .		3
9	HED-ID: An Affective Adaptation Model Explaining the Intensity-Duration Relationship of Emotion. IEEE Transactions on Affective Computing, 2020, 11, 736-750.	8.3	3
10	Classification of ECG Heartbeat Arrhythmia: A Review. Procedia Computer Science, 2020, 171, 679-688.	2.0	20
11	Numerical Magnitude Affects Accuracy but Not Precision of Temporal Judgments. Frontiers in Human Neuroscience, 2020, 14, 629702.	2.0	3
12	StepEncog: A Convolutional LSTM Autoencoder for Near-Perfect fMRI Encoding. , 2019, , .		6
13	Atypical Flexibility in Dynamic Functional Connectivity Quantifies the Severity in Autism Spectrum Disorder. Frontiers in Human Neuroscience, 2019, 13, 6.	2.0	78
14	Resting state dynamics meets anatomical structure: Temporal multiple kernel learning (tMKL) model. NeuroImage, 2019, 184, 609-620.	4.2	19
15	Temporal Dynamics of the Brain Using Variational Bayes Hidden Markov Models: Application in Autism. Lecture Notes in Computer Science, 2019, , 121-130.	1.3	2
16	Employing Temporal Properties of Brain Activity for Classifying Autism Using Machine Learning. Lecture Notes in Computer Science, 2019, , 193-200.	1.3	3
17	Two swarm intelligence approaches for tuning extreme learning machine. International Journal of Machine Learning and Cybernetics, 2018, 9, 1271-1283.	3.6	16
18	Do We Expect Women to Look Happier Than They Are? A Test of Gender-Dependent Perceptual Correction. Perception, 2018, 47, 232-235.	1.2	10

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19	Machine learning models to predict the progression from early to late stages of papillary renal cell carcinoma. Computers in Biology and Medicine, 2018, 100, 92-99.	7.0	31
20	Age, Disease, and Their Interaction Effects on Intrinsic Connectivity of Children and Adolescents in Autism Spectrum Disorder Using Functional Connectomics. Brain Connectivity, 2018, 8, 407-419.	1.7	14
21	fMRI Semantic Category Decoding Using Linguistic Encoding of Word Embeddings. Lecture Notes in Computer Science, 2018, , 3-15.	1.3	3
22	Metastability in Senescence. Trends in Cognitive Sciences, 2017, 21, 509-521.	7.8	60
23	Bilingualism delays the onset of behavioral but not aphasic forms of frontotemporal dementia. Neuropsychologia, 2017, 99, 207-212.	1.6	38
24	Metastability of cortical BOLD signals in maturation and senescence. , 2017, , .		6
25	A biologically inspired neuronal model of reward prediction error computation. , 2017, , .		2
26	The art of scaling up : A computational account on action selection in basal ganglia. , 2017, , .		1
27	Identification of Biomarkers for Stage Prediction in Papillary Renal Cell Carcinoma. Canadian Journal of Biotechnology, 2017, 1, 72-72.	0.3	0
28	Near-Infrared Spectroscopy â€" Electroencephalography-Based Brain-State-Dependent Electrotherapy: A Computational Approach Based on Excitationâ€"Inhibition Balance Hypothesis. Frontiers in Neurology, 2016, 7, 123.	2.4	14
29	A Unified Theoretical Framework for Cognitive Sequencing. Frontiers in Psychology, 2016, 7, 1821.	2.1	17
30	Comparative analysis of ELM and No-Prop algorithms. , 2016, , .		1
31	Does the regulation of local excitationâ€"inhibition balance aid in recovery of functional connectivity? A computational account. NeuroImage, 2016, 136, 57-67.	4.2	32
32	Artificial bee colony algorithm for clustering: an extreme learning approach. Soft Computing, 2016, 20, 3163-3176.	3.6	15
33	Evidence of stimulus correlated empathy modes â€" Group ICA of fMRI data. Brain and Cognition, 2015, 94, 32-43.	1.8	6
34	A knowledge driven supervised learning approach to identify gene network of differentially up-regulated genes during neuronal senescence in Rattus norvegicus. BioSystems, 2015, 135, 9-14.	2.0	2
35	An Exploratory Investigation of Functional Network Connectivity of Empathy and Default Mode Networks in a Free-Viewing Task. Brain Connectivity, 2015, 5, 384-400.	1.7	5
36	A Novel ELM K-Means Algorithm for Clustering. Lecture Notes in Computer Science, 2015, , 212-222.	1.3	5

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37	Expansion and Compression of Time Correlate with Information Processing in an Enumeration Task. PLoS ONE, 2015, 10, e0135794.	2.5	6
38	Delaying Onset of Dementia: Are Two Languages Enough?. Behavioural Neurology, 2014, 2014, 1-8.	2.1	50
39	A survey of distance/similarity measures for categorical data. , 2014, , .		39
40	Inter Subject Correlation of Brain Activity during Visuo-Motor Sequence Learning. Lecture Notes in Computer Science, 2014, , 35-41.	1.3	1
41	Reinforcement learning and dopamine in the striatum: A modeling perspective. Neurocomputing, 2014, 138, 27-40.	5.9	4
42	Churn prediction using comprehensible support vector machine: An analytical CRM application. Applied Soft Computing Journal, 2014, 19, 31-40.	7.2	133
43	A visual sense of number emerges from the dynamics of a recurrent on-center off-surround neural network. Brain Research, 2014, 1582, 114-124.	2.2	22
44	Subjective Distortions of Time Influence Rapid Information Accrual. Procedia, Social and Behavioral Sciences, 2014, 126, 127-128.	0.5	0
45	Class imbalance and its effect on PCA preprocessing. International Journal of Knowledge Engineering and Soft Data Paradigms, 2014, 4, 272.	0.0	6
46	Stochastic Leaky Integrator Model for Interval Timing. Lecture Notes in Computer Science, 2014, , 13-22.	1.3	0
47	Cerebral microbleeds are related to loss of white matter structural integrity. Neurology, 2013, 81, 1930-1937.	1.1	59
48	A new probabilistic active sample selection algorithm for class imbalance problem. International Journal of Knowledge Engineering and Soft Data Paradigms, 2013, 4, 85.	0.0	0
49	Changing the structure of complex visuo-motor sequences selectively activates the fronto-parietal network. NeuroImage, 2012, 59, 1180-1189.	4.2	30
50	Chunking During Learning of Visuomotor Sequences with Spatial and Arbitrary Rules: Preliminary Findings. Psychological Studies, 2012, 57, 22-28.	1.0	0
51	Unbalanced Sequential Data Classification using Extreme Outlier Elimination and Sampling Techniques. , 2012, , 83-93.		1
52	Sequence Pattern Mining for Web Logs. , 2012, , 237-243.		0
53	Analysis of Kinase Inhibitors and Druggability of Kinase-Targets Using Machine Learning Techniques. , 2012, , 155-165.		0
54	Time series Clustering and Analysis of ECG heart-beats using Dynamic Time Warping. , 2011, , .		7

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55	Local and Global Intrinsic Dimensionality Estimation for Better Chemical Space Representation. Lecture Notes in Computer Science, 2011, , 329-338.	1.3	1
56	State estimation of nonlinear system through Particle Filter based Recurrent Neural Networks. , 2011, , .		1
57	DEKF based Recurrent Neural Network for state estimation of nonlinear dynamical systems. , 2011, , .		1
58	Rule extraction from support vector machines: a hybrid approach for solving classification and regression problems. International Journal of Information and Decision Sciences, 2011, 3, 265.	0.1	4
59	Cortical network for reading linear words in an alphasyllabary. Reading and Writing, 2011, 24, 697-707.	1.7	11
60	Role of CAMKII in reinforcement learning: a computational model of glutamate and dopamine signaling pathways. Biological Cybernetics, 2011, 104, 397-424.	1.3	6
61	Correlating Binding Site Residues of the Protein and Ligand Features to Its Functionality. Lecture Notes in Computer Science, 2011, , 166-173.	1.3	0
62	Study of Diversity and Similarity of Large Chemical Databases Using Tanimoto Measure. Communications in Computer and Information Science, 2011, , 40-50.	0.5	2
63	Support vector regression based hybrid rule extraction methods for forecasting. Expert Systems With Applications, 2010, 37, 5577-5589.	7.6	39
64	What do the basal ganglia do? A modeling perspective. Biological Cybernetics, 2010, 103, 237-253.	1.3	161
65	Reading different orthographies: an fMRI study of phrase reading in Hindiâ€"English bilinguals. Reading and Writing, 2010, 23, 239-255.	1.7	30
66	A New Similarity Metric for Sequential Data. International Journal of Data Warehousing and Mining, 2010, 6, 16-32.	0.6	18
67	Support Vector Machine based Hybrid Classifiers and Rule Extraction thereof. , 2010, , 404-426.		4
68	Analysis of n-Gram based Promoter Recognition Methods and Application to Whole Genome Promoter Prediction. In Silico Biology, 2009, 9, S1-S16.	0.9	17
69	A Computational study of pre-synaptic re-uptake of dopamine on phosphorylation of DARPP-32. , 2009, , .		0
70	Protein ligand interaction database (PLID). Computational Biology and Chemistry, 2008, 32, 387-390.	2.3	27
71	Feature selection using correlation fractal dimension: Issues and applications in binary classification problems. Applied Soft Computing Journal, 2008, 8, 555-563.	7.2	21
72	Rule extraction using Support Vector Machine based hybrid classifier. , 2008, , .		11

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73	Cascaded Multi-level Promoter Recognition of&#x0A0;&#x0A0;E. coli Using Dinucleotide Features. , 2008, , .		2
74	Majority filter-based minority prediction (MFMP): An approach for unbalanced datasets. , 2008, , .		1
75	Advances in Classification of Sequence Data. , 2008, , 143-174.		2
76	Concept Pre-digestion Method for Image Relevance Reinforcement Learning. , 2007, , .		0
77	Analysis of E.coli promoter recognition problem in dinucleotide feature space. Bioinformatics, 2007, 23, 582-588.	4.1	23
78	An Unbalanced Data Classification Model Using Hybrid Sampling Technique for Fraud Detection. , 2007, , 341-348.		8
79	Modeling the sub-cellular signaling pathways involved in reinforcement learning at the striatum. Progress in Brain Research, 2007, 168, 193-206.	1.4	8
80	Unbalanced data classification using extreme outlier elimination and sampling techniques for fraud detection. , 2007, , .		41
81	Rough clustering of sequential data. Data and Knowledge Engineering, 2007, 63, 183-199.	3.4	79
82	Promoter Recognition using dinucleotide Features : A Case Study for E.Coli. , 2006, , .		0
83	fMRI investigation of cortical and subcortical networks in the learning of abstract and effector-specific representations of motor sequences. NeuroImage, 2006, 32, 714-727.	4.2	94
84	Chunking Phenomenon in Complex Sequential Skill Learning in Humans. Lecture Notes in Computer Science, 2004, , 294-299.	1.3	2
85	Modelling relative recency discrimination tasks using a stochastic working memory model. BioSystems, 2000, 58, 195-202.	2.0	4
86	Evidence for effector independent and dependent representations and their differential time course of acquisition during motor sequence learning. Experimental Brain Research, 2000, 132, 149-162.	1.5	153
87	Analysis of Kinase Inhibitors and Druggability of Kinase-Targets Using Machine Learning Techniques. , 0, , 937-947.		0