

Balaraman Ravindran

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

1,373
citations

643344

15
h-index

685536

24
g-index

101
all docs

101
docs citations

101
times ranked

1406
citing authors

#	ARTICLE	IF	CITATIONS
1	Smooth Imitation Learning via Smooth Costs and Smooth Policies. , 2022, , .		0
2	Automated Incident Location Identification for EMS from Ambulance Geospatial Data. , 2022, , .		0
3	Single Shot Corrective CNN for Anatomically Correct 3D Hand Pose Estimation. Frontiers in Artificial Intelligence, 2022, 5, 759255.	2.0	1
4	Scaling Graph Propagation Kernels for Predictive Learning. Frontiers in Big Data, 2022, 5, 616617.	1.8	0
5	Evolutionary Approach to Security Games with Signaling. , 2022, , .		3
6	Semi-Supervised Deep Learning for Multiplex Networks. , 2021, , .		6
7	NetGenes: A Database of Essential Genes Predicted Using Features From Interaction Networks. Frontiers in Genetics, 2021, 12, 722198.	1.1	5
8	Inferring customer occupancy status in for-hire vehicles using PU Learning. , 2021, , .		0
9	Is it hard to learn a classifier on this dataset?. , 2021, , .		1
10	A semi-supervised approach to growing classification trees. , 2021, , .		0
11	Rate of change analysis for interestingness measures. Knowledge and Information Systems, 2020, 62, 239-258.	2.1	2
12	ERLP: Ensembles of Reinforcement Learning Policies (Student Abstract). Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 13905-13906.	3.6	0
13	Hypergraph clustering by iteratively reweighted modularity maximization. Applied Network Science, 2020, 5, .	0.8	24
14	Interpretability With Accurate Small Models. Frontiers in Artificial Intelligence, 2020, 3, 3.	2.0	2
15	A Unified Non-Negative Matrix Factorization Framework for Semi Supervised Learning on Graphs. , 2020, , 487-495.		4
16	Predicting software defect type using concept-based classification. Empirical Software Engineering, 2020, 25, 1341-1378.	3.0	11
17	HPRA: Hyperedge Prediction using Resource Allocation. , 2020, , .		15
18	Towards Transparent and Explainable Attention Models. , 2020, , .		35

#	ARTICLE	IF	CITATIONS
19	A New Measure of Modularity in Hypergraphs: Theoretical Insights and Implications for Effective Clustering. Studies in Computational Intelligence, 2020, , 286-297.	0.7	7
20	Temporal Analysis of a Bus Transit Network. Studies in Computational Intelligence, 2020, , 944-954.	0.7	0
21	Reinforcement Learning for Improving Object Detection. Lecture Notes in Computer Science, 2020, , 149-161.	1.0	3
22	D <sc>y</sc> VED <sc>eep</sc>. Transactions on Embedded Computing Systems, 2020, 19, 1-24.	2.1	2
23	Towards Accurate Vehicle Behaviour Classification With Multi-Relational Graph Convolutional Networks. , 2020, , .		12
24	Understanding Dynamic Scenes using Graph Convolution Networks. , 2020, , .		14
25	Studying the plasticity in deep convolutional neural networks using random pruning. Machine Vision and Applications, 2019, 30, 203-216.	1.7	22
26	Adapting Community Detection Algorithms for Disease Module Identification in Heterogeneous Biological Networks. Frontiers in Genetics, 2019, 10, 164.	1.1	38
27	Effect of Inter-layer Coupling on Multilayer Network Centrality Measures. Journal of the Indian Institute of Science, 2019, 99, 237-246.	0.9	6
28	Pack and Detect. , 2019, , .		8
29	Edge Replacement Grammars : A Formal Language Approach for Generating Graphs. , 2019, , 351-359.		1
30	Letâ€™s Ask Again: Refine Network for Automatic Question Generation. , 2019, , .		28
31	Successor Options: An Option Discovery Framework for Reinforcement Learning. , 2019, , .		6
32	Generalized random Surfer-Pair models. , 2019, , .		2
33	A neural attention based approach for clickstream mining. , 2018, , .		2
34	Training a deep learning architecture for vehicle detection using limited heterogeneous traffic data. , 2018, , .		16
35	Using Linear Stochastic Bandits to extend traditional offline Designed Experiments to online settings. Computers and Industrial Engineering, 2018, 115, 471-485.	3.4	6
36	A novel topic modeling based weighting framework for class imbalance learning. , 2018, , .		3

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37	Network-based features enable prediction of essential genes across diverse organisms. PLoS ONE, 2018, 13, e0208722.	1.1	28
38	Looking under the hood of deep neural networks. , 2018, , .		0
39	Overtaking Maneuvers in Simulated Highway Driving using Deep Reinforcement Learning. , 2018, , .		56
40	Recovering from Random Pruning: On the Plasticity of Deep Convolutional Neural Networks. , 2018, , .		34
41	Improved Insights on Financial Health through Partially Constrained Hidden Markov Model Clustering on Loan Repayment Data. Data Base for Advances in Information Systems, 2018, 49, 98-113.	1.1	6
42	Dynamic Class Learning Approach for Smart CBIR. Communications in Computer and Information Science, 2018, , 327-337.	0.4	2
43	Tracking and stabilization of mechanical systems using reinforcement learning. , 2018, , .		1
44	Modeling Serotoninâ€™s Contributions to Basal Ganglia Dynamics. Cognitive Science and Technology, 2018, , 215-243.	0.2	4
45	Modeling Serotoninâ€™s Contributions to Basal Ganglia Dynamics in Parkinsonâ€™s Disease with Impulse Control Disorders. Cognitive Science and Technology, 2018, , 245-253.	0.2	0
46	A Partial Parameter HMM Based Clustering on Loan Repayment Data: Insights into Financial Behavior and Intent to Repay. , 2018, , .		0
47	Learning to Prevent Monocular SLAM Failure using Reinforcement Learning. , 2018, , .		3
48	Role Discovery in Graphs Using Global Features: Algorithms, Applications and a Novel Evaluation Strategy. , 2017, , .		14
49	MCEIL. , 2017, , .		3
50	DCEIL: Distributed Community Detection with the CEIL Score. , 2017, , .		0
51	Diversity driven attention model for query-based abstractive summarization. , 2017, , .		85
52	Thresholding Bandits with Augmented UCB. , 2017, , .		4
53	RRT-HX: RRT With Heuristic Extend Operations for Motion Planning in Robotic Systems. , 2016, , .		4
54	A new Multi-Bug Path Planning algorithm for robot navigation in known environments. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
55	Correlational Neural Networks. <i>Neural Computation</i> , 2016, 28, 257-285.	1.3	87
56	Bridge Correlational Neural Networks for Multilingual Multimodal Representation Learning. , 2016, , .		26
57	Measuring network centrality using hypergraphs. , 2015, , .		8
58	From multiple views to single view. , 2015, , .		2
59	A network model of basal ganglia for understanding the roles of dopamine and serotonin in reward-punishment-risk based decision making. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 76.	1.2	29
60	Parallelization of game theoretic centrality algorithms. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2015, 40, 1821-1843.	0.8	0
61	Nonparametric Poisson Factorization Machine. , 2015, , .		1
62	Hierarchical activity recognition for dementia care using Markov Logic Network. <i>Personal and Ubiquitous Computing</i> , 2015, 19, 271-285.	1.9	58
63	COMMIT. , 2015, , .		45
64	Identifying the Basal Ganglia Network Model Markers for Medication-Induced Impulsivity in Parkinson's Disease Patients. <i>PLoS ONE</i> , 2015, 10, e0127542.	1.1	20
65	An extended reinforcement learning model of basal ganglia to understand the contributions of serotonin and dopamine in risk-based decision making, reward prediction, and punishment learning. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 47.	1.2	36
66	RRTP: Policy iteration on continuous domains using rapidly-exploring random trees. , 2014, , .		2
67	Multi-label collective classification in multi-attribute multi-relational network data. , 2014, , .		6
68	Activity Recognition for Natural Human Robot Interaction. <i>Lecture Notes in Computer Science</i> , 2014, , 84-94.	1.0	27
69	Studying Indian Railways Network using hypergraphs. , 2014, , .		5
70	Modeling task-specific manifestations of serotonin in basal ganglia using risk-based decision making. <i>BMC Neuroscience</i> , 2014, 15, .	0.8	0
71	Temporal analysis of telecom call graphs. , 2014, , .		1
72	Will your facebook post be engaging?. , 2013, , .		7

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73	Automated faceted reporting for web analytics. , 2013, , .		4
74	iCaseViz: Learning Case Similarities through Interaction with a Case Base Visualizer. Lecture Notes in Computer Science, 2013, , 203-217.	1.0	0
75	Functional site prediction by exploiting correlations between labels of interacting residues. , 2012, , .		1
76	Adaptive network intrusion detection system using a hybrid approach. , 2012, , .		18
77	Feature Weighting and Confidence Based Prediction for Case Based Reasoning Systems. Lecture Notes in Computer Science, 2012, , 211-225.	1.0	10
78	Gaze Allocation Analysis for a Visually Guided Manipulation Task. Lecture Notes in Computer Science, 2012, , 44-53.	1.0	1
79	Options with Exceptions. Lecture Notes in Computer Science, 2012, , 165-176.	1.0	0
80	A system approach to network modeling for DDoS detection using a Na. , 2011, , .		15
81	Modeling Basal Ganglia for Understanding Parkinsonian Reaching Movements. Neural Computation, 2011, 23, 477-516.	1.3	49
82	Identification of Rhetorical Roles for Segmentation and Summarization of a Legal Judgment. Artificial Intelligence and Law, 2010, 18, 45-76.	3.0	37
83	Accurate mobile robot localization in indoor environments using bluetooth. , 2010, , .		66
84	Improving legal information retrieval using an ontological framework. Artificial Intelligence and Law, 2009, 17, 101-124.	3.0	56
85	Latent Dirichlet Allocation and Singular Value Decomposition Based Multi-document Summarization. , 2008, , .		32
86	On the hardness of finding symmetries in Markov decision processes. , 2008, , .		6
87	Latent dirichlet allocation based multi-document summarization. , 2008, , .		69
88	Model Minimization in Hierarchical Reinforcement Learning. Lecture Notes in Computer Science, 2002, , 196-211.	1.0	28
89	A tutorial survey of reinforcement learning. Sadhana - Academy Proceedings in Engineering Sciences, 1994, 19, 851-889.	0.8	24
90	Hyperedge Prediction Using Tensor Eigenvalue Decomposition. Journal of the Indian Institute of Science, 0, , 1.	0.9	4

#	ARTICLE	IF	CITATIONS
91	MaMiC: Macro and Micro Curriculum for Robotic Reinforcement Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 0, 33, 10053-10054.	3.6	1