

Daniel Berrar

List of Publications by Year in descending order

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47
papers

1,338
citations

516215

16
h-index

552369

26
g-index

50
all docs

50
docs citations

50
times ranked

1675
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-Validation. , 2019, , 542-545.		412
2	Bayesâ€™ Theorem and Naive Bayes Classifier. , 2019, , 403-412.		128
3	Caveats and pitfalls of ROC analysis in clinical microarray research (and how to avoid them). Briefings in Bioinformatics, 2012, 13, 83-97.	3.2	96
4	Pseudomonas aeruginosa Cystic Fibrosis isolates of similar RAPD genotype exhibit diversity in biofilm forming ability in vitro. BMC Microbiology, 2010, 10, 38.	1.3	81
5	Text mining of full-text journal articles combined with gene expression analysis reveals a relationship between sphingosine-1-phosphate and invasiveness of a glioblastoma cell line. BMC Bioinformatics, 2006, 7, 373.	1.2	61
6	Avoiding model selection bias in small-sample genomic datasets. Bioinformatics, 2006, 22, 1245-1250.	1.8	49
7	Incorporating domain knowledge in machine learning for soccer outcome prediction. Machine Learning, 2019, 108, 97-126.	3.4	39
8	Performance Measures for Binary Classification. , 2019, , 546-560.		31
9	Knowledge Discovery in Biology and Biotechnology Texts: A Review of Techniques, Evaluation Strategies, and Applications. Critical Reviews in Biotechnology, 2005, 25, 31-52.	5.1	30
10	SOINN+, a Self-Organizing Incremental Neural Network for Unsupervised Learning from Noisy Data Streams. Expert Systems With Applications, 2020, 143, 113069.	4.4	30
11	Killer immunoglobulin-like receptor and human leukocyte antigen-C genotypes in rheumatoid arthritis primary responders and non-responders to anti-TNF-Î± therapy. Rheumatology International, 2012, 32, 1647-1653.	1.5	29
12	Deep learning in bioinformatics and biomedicine. Briefings in Bioinformatics, 2021, 22, 1513-1514.	3.2	28
13	Survival Trees for Analyzing Clinical Outcome in Lung Adenocarcinomas Based on Gene Expression Profiles: Identification of Neogenin and Diacylglycerol Kinase Î± Expression as Critical Factors. Journal of Computational Biology, 2005, 12, 534-544.	0.8	27
14	The Open International Soccer Database for machine learning. Machine Learning, 2019, 108, 9-28.	3.4	26
15	Introduction to Microarray Data Analysis. , 2003, , 1-46.		25
16	Attitudes towards Diagnostic Tests and Therapies for Dry Eye Disease. Ophthalmic Research, 2010, 43, 11-17.	1.0	23
17	Towards Data Warehousing and Mining of Protein Unfolding Simulation Data. Journal of Clinical Monitoring and Computing, 2005, 19, 307-317.	0.7	21
18	Learning from automatically labeled data: case study on click fraud prediction. Knowledge and Information Systems, 2016, 46, 477-490.	2.1	19

#	ARTICLE	IF	CITATIONS
19	Instance-based concept learning from multiclass DNA microarray data. BMC Bioinformatics, 2006, 7, 73.	1.2	18
20	Significance tests or confidence intervals: which are preferable for the comparison of classifiers?. Journal of Experimental and Theoretical Artificial Intelligence, 2013, 25, 189-206.	1.8	18
21	The anti-fecundity effect of 5-azacytidine (5-AzaC) on Schistosoma mansoni is linked to dis-regulated transcription, translation and stem cell activities. International Journal for Parasitology: Drugs and Drug Resistance, 2018, 8, 213-222.	1.4	18
22	Quo Vadis, Artificial Intelligence?. Advances in Artificial Intelligence, 2010, 2010, 1-12.	0.9	16
23	Guest editorial: special issue on machine learning for soccer. Machine Learning, 2019, 108, 1-7.	3.4	15
24	Confidence curves: an alternative to null hypothesis significance testing for the comparison of classifiers. Machine Learning, 2017, 106, 911-949.	3.4	14
25	A self-organizing incremental neural network for continual supervised learning. Expert Systems With Applications, 2021, 185, 115662.	4.4	13
26	Introduction to the Non-Parametric Bootstrap. , 2019, , 766-773.		11
27	P-found: The Protein Folding and Unfolding Simulation Repository. , 2006, , .		9
28	Identifying and validating the presence of Guanine-Quadruplexes (G4) within the blood fluke parasite Schistosoma mansoni. PLoS Neglected Tropical Diseases, 2021, 15, e0008770.	1.3	7
29	Introduction to Genomic and Proteomic Data Analysis. , 2007, , 1-37.		5
30	Caveats and pitfalls in crowdsourcing research: the case of soccer referee bias. International Journal of Data Science and Analytics, 2017, 4, 143-151.	2.4	5
31	On the Jeffreys-Lindley Paradox and the Looming Reproducibility Crisis in Machine Learning. , 2017, , .		5
32	Should significance testing be abandoned in machine learning?. International Journal of Data Science and Analytics, 2019, 7, 247-257.	2.4	4
33	Comparing Symbolic and Subsymbolic Machine Learning Approaches to Classification of Cancer and Gene Identification. , 2002, , 151-165.		3
34	The Omnipresent Computing Menace to Information Society. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 786-792.	0.5	3
35	Turing Test Considered Mostly Harmless. New Generation Computing, 2013, 31, 241-263.	2.5	2
36	On the Noise Resilience of Ranking Measures. Lecture Notes in Computer Science, 2016, , 47-55.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Complementary protein extraction methods increase the identification of the Park Grass Experiment metaproteome. <i>Applied Soil Ecology</i> , 2022, 173, 104388.	2.1	2
38	Using p-values for the comparison of classifiers: pitfalls and alternatives. <i>Data Mining and Knowledge Discovery</i> , 2022, 36, 1102-1139.	2.4	2
39	Integration of Microarray Data for a Comparative Study of Classifiers and Identification of Marker Genes. , 2005, , 147-162.		1
40	Artificial Intelligence in Neuroscience and Systems Biology: Lessons Learnt, Open Problems, and the Road Ahead. <i>Advances in Artificial Intelligence</i> , 2010, 2010, 1-2.	0.9	1
41	Multidimensional scaling with discrimination coefficients for supervised visualization of high-dimensional data. <i>Neural Computing and Applications</i> , 2011, 20, 1211-1218.	3.2	1
42	Bootstrapping, 0.632+ Bootstrap. , 2013, , 163-163.		1
43	Self-Organizing Incremental Neural Networks for Continual Learning. , 2019, , .		1
44	Information Gain. , 2013, , 1022-1023.		1
45	Special Issue on Omnipresent Intelligent Computing "New Developments and Societal Impact. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2011, 15, 785-785.	0.5	0
46	Towards Nature-Inspired Modularization of Artificial Neural Networks via Static and Dynamic Weights. <i>Communications in Computer and Information Science</i> , 2014, , 219-234.	0.4	0
47	Neural Plasma. , 2006, , 159-168.		0