Daniel Berrar

List of Publications by Year
in descending order

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	Complementary protein extraction methods increase the identification of the Park Grass Experiment metaproteome. Applied Soil Ecology, 2022, 173, 104388.	2.1	2
2	Using p-values for the comparison of classifiers: pitfalls and alternatives. Data Mining and Knowledge Discovery, 2022, 36, 1102-1139.	2.4	2
3	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
4	Deep learning in bioinformatics and biomedicine. Briefings in Bioinformatics, 2021, 22, 1513-1514.	3.2	28
5	A self-organizing incremental neural network for continual supervised learning. Expert Systems With Applications, 2021, 185, 115662.	4.4	13
6	SOINN+, a Self-Organizing Incremental Neural Network for Unsupervised Learning from Noisy Data Streams. Expert Systems With Applications, 2020, 143, 113069.	4.4	30
7	Should significance testing be abandoned in machine learning?. International Journal of Data Science and Analytics, 2019, 7, 247-257.	2.4	4
8	Incorporating domain knowledge in machine learning for soccer outcome prediction. Machine Learning, 2019, 108, 97-126.	3.4	39
9	Introduction to the Non-Parametric Bootstrap. , 2019, , 766-773.		11
10	Cross-Validation. , 2019, , 542-545.		412
11	Bayes' Theorem and Naive Bayes Classifier. , 2019, , 403-412.		128
12	Performance Measures for Binary Classification. , 2019, , 546-560.		31
13	The Open International Soccer Database for machine learning. Machine Learning, 2019, 108, 9-28.	3.4	26
14	Guest editorial: special issue on machine learning for soccer. Machine Learning, 2019, 108, 1-7.	3.4	15
15	Self-Organizing Incremental Neural Networks for Continual Learning. , 2019, , .		1
16	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
17	Confidence curves: an alternative to null hypothesis significance testing for the comparison of classifiers. Machine Learning, 2017, 106, 911-949.	3.4	14
18	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

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19	On the Jeffreys-Lindley Paradox and the Looming Reproducibility Crisis in Machine Learning. , 2017, , .		5
20	Learning from automatically labeled data: case study on click fraud prediction. Knowledge and Information Systems, 2016, 46, 477-490.	2.1	19
21	On the Noise Resilience of Ranking Measures. Lecture Notes in Computer Science, 2016, , 47-55.	1.0	2
22	Towards Nature-Inspired Modularization of Artificial Neural Networks via Static and Dynamic Weights. Communications in Computer and Information Science, 2014, , 219-234.	0.4	0
23	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
24	Turing Test Considered Mostly Harmless. New Generation Computing, 2013, 31, 241-263.	2.5	2
25	Bootstrapping, 0.632+ Bootstrap. , 2013, , 163-163.		1
26	Information Gain. , 2013, , 1022-1023.		1
27	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
28	Killer immunoglobulin-like receptor and human leukocyte antigen-C genotypes in rheumatoid arthritis primary responders and non-responders to anti-TNF-α therapy. Rheumatology International, 2012, 32, 1647-1653.	1.5	29
29	Multidimensional scaling with discrimination coefficients for supervised visualization of high-dimensional data. Neural Computing and Applications, 2011, 20, 1211-1218.	3.2	1
30	The Omnipresent Computing Menace to Information Society. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 786-792.	0.5	3
31	Special Issue on Omnipresent Intelligent Computing â€“ New Developments and Societal Impact. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 785-785.	0.5	0
32	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
33	Artificial Intelligence in Neuroscience and Systems Biology: Lessons Learnt, Open Problems, and the Road Ahead. Advances in Artificial Intelligence, 2010, 2010, 1-2.	0.9	1
34	Quo Vadis, Artificial Intelligence?. Advances in Artificial Intelligence, 2010, 2010, 1-12.	0.9	16
35	Attitudes towards Diagnostic Tests and Therapies for Dry Eye Disease. Ophthalmic Research, 2010, 43, 11-17.	1.0	23
36	Introduction to Genomic and Proteomic Data Analysis. , 2007, , 1-37.		5

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37	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
38	Instance-based concept learning from multiclass DNA microarray data. BMC Bioinformatics, 2006, 7, 73.	1.2	18
39	Avoiding model selection bias in small-sample genomic datasets. Bioinformatics, 2006, 22, 1245-1250.	1.8	49
40	P-found: The Protein Folding and Unfolding Simulation Repository. , 2006, , .		9
41	Neural Plasma. , 2006, , 159-168.		0
42	Integration of Microarray Data for a Comparative Study of Classifiers and Identification of Marker Genes. , 2005, , 147-162.		1
43	Towards Data Warehousing and Mining of Protein Unfolding Simulation Data. Journal of Clinical Monitoring and Computing, 2005, 19, 307-317.	0.7	21
44	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
45	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
46	Introduction to Microarray Data Analysis. , 2003, , 1-46.		25
47	Comparing Symbolic and Subsymbolic Machine Learning Approaches to Classification of Cancer and Gene Identification. , 2002, , 151-165.		3