

Jakub M Tomczak

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30 papers	544 citations	10 h-index	23 g-index
33 ext. papers	698 ext. citations	4 avg, IF	4.64 L-index

#	Paper	IF	Citations
30	Energy-Based Models 2022 , 143-158		
29	Latent Variable Models 2022 , 57-127		
28	Deep learning for white cabbage seedling prediction. <i>Computers and Electronics in Agriculture</i> , 2021 , 184, 106059	6.5	4
27	Deep Learning and Transfer Learning for Automatic Cell Counting in Microscope Images of Human Cancer Cell Lines. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4912	2.6	5
26	Self-Supervised Variational Auto-Encoders. <i>Entropy</i> , 2021 , 23,	2.8	3
25	Population-Based Parameter Identification for Dynamical Models of Biological Networks with an Application to <i>Saccharomyces cerevisiae</i> . <i>Processes</i> , 2021 , 9, 98	2.9	0
24	GEM-Based Metabolic Profiling for Human Bone Osteosarcoma under Different Glucose and Glutamine Availability. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
23	Identification of ebselen and its analogues as potent covalent inhibitors of papain-like protease from SARS-CoV-2. <i>Scientific Reports</i> , 2021 , 11, 3640	4.9	39
22	Time efficiency in optimization with a bayesian-Evolutionary algorithm. <i>Swarm and Evolutionary Computation</i> , 2021 , 69, 100970	9.8	5
21	Learning locomotion skills in evolvable robots. <i>Neurocomputing</i> , 2021 , 452, 294-306	5.4	3
20	Learning directed locomotion in modular robots with evolvable morphologies. <i>Applied Soft Computing Journal</i> , 2021 , 111, 107688	7.5	6
19	Estimating kinetic constants in the Michaelis-Menten model from one enzymatic assay using Approximate Bayesian Computation. <i>FEBS Letters</i> , 2019 , 593, 2742-2750	3.8	9
18	Low-Dimensional Perturb-and-MAP Approach for Learning Restricted Boltzmann Machines. <i>Neural Processing Letters</i> , 2019 , 50, 1401-1419	2.4	1
17	Interaction prediction in structure-based virtual screening using deep learning. <i>Computers in Biology and Medicine</i> , 2018 , 100, 253-258	7	49
16	Helix-loop-helix peptide foldamers and their use in the construction of hydrolase mimetics. <i>Bioorganic Chemistry</i> , 2018 , 81, 356-361	5.1	5
15	Learning Invariant Features Using Subspace Restricted Boltzmann Machine. <i>Neural Processing Letters</i> , 2017 , 45, 173-182	2.4	11
14	Gaussian Process Regression with Categorical Inputs for Predicting the Blood Glucose Level. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 98-108	0.4	3

13	Domain Adaptation for Image Analysis: An Unsupervised Approach Using Boltzmann Machines Trained by Perturbation. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 14-22	0.4	
12	On some properties of the low-dimensional Gumbel perturbations in the Perturb-and-MAP model. <i>Statistics and Probability Letters</i> , 2016 , 115, 8-15	0.6	4
11	Articulated tracking with manifold regularized particle filter. <i>Machine Vision and Applications</i> , 2016 , 27, 275-286	2.8	8
10	Learning Informative Features from Restricted Boltzmann Machines. <i>Neural Processing Letters</i> , 2016 , 44, 735-750	2.4	10
9	Self-paced Learning for Imbalanced Data. <i>Lecture Notes in Computer Science</i> , 2016 , 564-573	0.9	
8	Ensemble boosted trees with synthetic features generation in application to bankruptcy prediction. <i>Expert Systems With Applications</i> , 2016 , 58, 93-101	7.8	169
7	Probabilistic combination of classification rules and its application to medical diagnosis. <i>Machine Learning</i> , 2015 , 101, 105-135	4	18
6	Classification Restricted Boltzmann Machine for comprehensible credit scoring model. <i>Expert Systems With Applications</i> , 2015 , 42, 1789-1796	7.8	49
5	Boosted SVM with active learning strategy for imbalanced data. <i>Soft Computing</i> , 2015 , 19, 3357-3368	3.5	19
4	Boosted SVM for extracting rules from imbalanced data in application to prediction of the post-operative life expectancy in the lung cancer patients. <i>Applied Soft Computing Journal</i> , 2014 , 14, 99-108	7.5	82
3	Decision rules extraction from data stream in the presence of changing context for diabetes treatment. <i>Knowledge and Information Systems</i> , 2013 , 34, 521-546	2.4	18
2	A Probabilistic Approach to Structural Change Prediction in Evolving Social Networks 2012 ,		2
1	Ebselen as a highly active inhibitor of PLProCoV2		19