Jakub M Tomczak

List of Publications by Citations

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	Ensemble boosted trees with synthetic features generation in application to bankruptcy prediction. *Expert Systems With Applications*, **2016**, 58, 93-101	7.8	169
29	Boosted SVM for extracting rules from imbalanced data in application to prediction of the post-operative life expectancy in the lung cancer patients. *Applied Soft Computing Journal*, **2014**, 14, 99-108	7.5	82
28	Classification Restricted Boltzmann Machine for comprehensible credit scoring model. *Expert Systems With Applications*, **2015**, 42, 1789-1796	7.8	49
27	Interaction prediction in structure-based virtual screening using deep learning. *Computers in Biology and Medicine*, **2018**, 100, 253-258	7	49
26	Identification of ebselen and its analogues as potent covalent inhibitors of papain-like protease from SARS-CoV-2. *Scientific Reports*, **2021**, 11, 3640	4.9	39
25	Boosted SVM with active learning strategy for imbalanced data. *Soft Computing*, **2015**, 19, 3357-3368	3.5	19
24	Ebselen as a highly active inhibitor of PLProCoV2		19
23	Probabilistic combination of classification rules and its application to medical diagnosis. *Machine Learning*, **2015**, 101, 105-135	4	18
22	Decision rules extraction from data stream in the presence of changing context for diabetes treatment. *Knowledge and Information Systems*, **2013**, 34, 521-546	2.4	18
21	Learning Invariant Features Using Subspace Restricted Boltzmann Machine. *Neural Processing Letters*, **2017**, 45, 173-182	2.4	11
20	Learning Informative Features from Restricted Boltzmann Machines. *Neural Processing Letters*, **2016**, 44, 735-750	2.4	10
19	Estimating kinetic constants in the Michaelis-Menten model from one enzymatic assay using Approximate Bayesian Computation. *FEBS Letters*, **2019**, 593, 2742-2750	3.8	9
18	Articulated tracking with manifold regularized particle filter. *Machine Vision and Applications*, **2016**, 27, 275-286	2.8	8
17	Learning directed locomotion in modular robots with evolvable morphologies. *Applied Soft Computing Journal*, **2021**, 111, 107688	7.5	6
16	Helix-loop-helix peptide foldamers and their use in the construction of hydrolase mimetics. *Bioorganic Chemistry*, **2018**, 81, 356-361	5.1	5
15	Deep Learning and Transfer Learning for Automatic Cell Counting in Microscope Images of Human Cancer Cell Lines. *Applied Sciences (Switzerland)*, **2021**, 11, 4912	2.6	5
14	Time efficiency in optimization with a bayesian-Evolutionary algorithm. *Swarm and Evolutionary Computation*, **2021**, 69, 100970	9.8	5

LIST OF PUBLICATIONS

13	On some properties of the low-dimensional Gumbel perturbations in the Perturb-and-MAP model. *Statistics and Probability Letters*, **2016**, 115, 8-15	0.6	4
12	Deep learning for white cabbage seedling prediction. *Computers and Electronics in Agriculture*, **2021**, 184, 106059	6.5	4
11	Gaussian Process Regression with Categorical Inputs for Predicting the Blood Glucose Level. *Advances in Intelligent Systems and Computing*, **2017**, 98-108	0.4	3
10	Self-Supervised Variational Auto-Encoders. *Entropy*, **2021**, 23,	2.8	3
9	Learning locomotion skills in evolvable robots. *Neurocomputing*, **2021**, 452, 294-306	5.4	3
8	A Probabilistic Approach to Structural Change Prediction in Evolving Social Networks **2012**,		2
7	GEM-Based Metabolic Profiling for Human Bone Osteosarcoma under Different Glucose and Glutamine Availability. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
6	Low-Dimensional Perturb-and-MAP Approach for Learning Restricted Boltzmann Machines. *Neural Processing Letters*, **2019**, 50, 1401-1419	2.4	1
5	Population-Based Parameter Identification for Dynamical Models of Biological Networks with an Application to Saccharomyces cerevisiae. *Processes*, **2021**, 9, 98	2.9	0
4	Self-paced Learning for Imbalanced Data. *Lecture Notes in Computer Science*, **2016**, 564-573	0.9	
3	Domain Adaptation for Image Analysis: An Unsupervised Approach Using Boltzmann Machines Trained by Perturbation. *Advances in Intelligent Systems and Computing*, **2017**, 14-22	0.4	
2	Energy-Based Models **2022**, 143-158		
1	Latent Variable Models **2022**, 57-127		