Nikos Vlassis

List of Publications by Year
in descending order

19 papers	3,848 citations	567281 15 h-index	888059 17 g-index
20 all docs	20 docs citations	20 times ranked	4772 citing authors

#	Article	IF	Citations
1	Conditions for duality between fluxes and concentrations in biochemical networks. Journal of Theoretical Biology, 2016, 409, 1-10.	1.7	15
2	VizBin - an application for reference-independent visualization and human-augmented binning of metagenomic data. Microbiome, 2015, 3, 1.	11.1	352
3	Fast Reconstruction of Compact Context-Specific Metabolic Network Models. PLoS Computational Biology, 2014, 10, e1003424.	3.2	212
4	fastGapFill: efficient gap filling in metabolic networks. Bioinformatics, 2014, 30, 2529-2531.	4.1	105
5	Community-integrated omics links dominance of a microbial generalist to fine-tuned resource usage. Nature Communications, 2014, 5, 5603.	12.8	75
6	Alignment-free Visualization of Metagenomic Data by Nonlinear Dimension Reduction. Scientific Reports, 2014, 4, 4516.	3.3	46
7	Condensing the omics fog of microbial communities. Trends in Microbiology, 2013, 21, 325-333.	7.7	74
8	Ties between Graph Theory and Biology. Discrete Mathematics and Its Applications, 2013, , 1559-1579.	0.1	0
9	Model-free reinforcement learning as mixture learning. , 2009, , .		19
10	Learning model-free robot control by a Monte Carlo EM algorithm. Autonomous Robots, 2009, 27, 123-130.	4.8	41
11	Distributed Decision Making for Robot Teams. Studies in Computational Intelligence, 2008, , 35-40.	0.9	0
12	A Concise Introduction to Multiagent Systems and Distributed Artificial Intelligence. Synthesis Lectures on Artificial Intelligence and Machine Learning, 2007, 1, 1-71.	0.8	82
13	Accelerated EM-based clustering of large data sets. Data Mining and Knowledge Discovery, 2006, 13, 291-307.	3.7	38
14	Using the Max-Plus Algorithm for Multiagent Decision Making in Coordination Graphs. Lecture Notes in Computer Science, 2006, , 1-12.	1.3	25
15	Non-communicative multi-robot coordination in dynamic environments. Robotics and Autonomous Systems, 2005, 50, 99-114.	5.1	65
16	The global k-means clustering algorithm. Pattern Recognition, 2003, 36, 451-461.	8.1	2,401
17	Supervised Dimension Reduction of Intrinsically Low-Dimensional Data. Neural Computation, 2002, 14, 191-215.	2.2	41
18	A Greedy EM Algorithm for Gaussian Mixture Learning. Neural Processing Letters, 2002, 15, 77-87.	3.2	229

#	Article	IF	Citations
19	Coordinating Principal Component Analyzers. Lecture Notes in Computer Science, 2002, , 914-919.	1.3	23