

# Nikos Vlassis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12185970/publications.pdf>

Version: 2024-02-01

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	The global k-means clustering algorithm. Pattern Recognition, 2003, 36, 451-461.	8.1	2,401
2	VizBin - an application for reference-independent visualization and human-augmented binning of metagenomic data. Microbiome, 2015, 3, 1.	11.1	352
3	A Greedy EM Algorithm for Gaussian Mixture Learning. Neural Processing Letters, 2002, 15, 77-87.	3.2	229
4	Fast Reconstruction of Compact Context-Specific Metabolic Network Models. PLoS Computational Biology, 2014, 10, e1003424.	3.2	212
5	<scp>fast</scp>G<scp>ap</scp>F<scp>ill</scp>: efficient gap filling in metabolic networks. Bioinformatics, 2014, 30, 2529-2531.	4.1	105
6	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
7	Community-integrated omics links dominance of a microbial generalist to fine-tuned resource usage. Nature Communications, 2014, 5, 5603.	12.8	75
8	Condensing the omics fog of microbial communities. Trends in Microbiology, 2013, 21, 325-333.	7.7	74
9	Non-communicative multi-robot coordination in dynamic environments. Robotics and Autonomous Systems, 2005, 50, 99-114.	5.1	65
10	Alignment-free Visualization of Metagenomic Data by Nonlinear Dimension Reduction. Scientific Reports, 2014, 4, 4516.	3.3	46
11	Supervised Dimension Reduction of Intrinsically Low-Dimensional Data. Neural Computation, 2002, 14, 191-215.	2.2	41
12	Learning model-free robot control by a Monte Carlo EM algorithm. Autonomous Robots, 2009, 27, 123-130.	4.8	41
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	Coordinating Principal Component Analyzers. Lecture Notes in Computer Science, 2002, , 914-919.	1.3	23
16	Model-free reinforcement learning as mixture learning. , 2009, , .		19
17	Conditions for duality between fluxes and concentrations in biochemical networks. Journal of Theoretical Biology, 2016, 409, 1-10.	1.7	15
18	Distributed Decision Making for Robot Teams. Studies in Computational Intelligence, 2008, , 35-40.	0.9	0

#	ARTICLE	IF	CITATIONS
19	Ties between Graph Theory and Biology. Discrete Mathematics and Its Applications, 2013, , 1559-1579.	0.1	0