

# Pentti Kanerva

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9517237/publications.pdf>

Version: 2024-02-01

14  
papers

973  
citations

1307594

7  
h-index

1372567

10  
g-index

15  
all docs

15  
docs citations

15  
times ranked

531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperdimensional Computing: An Introduction to Computing in Distributed Representation with High-Dimensional Random Vectors. <i>Cognitive Computation</i> , 2009, 1, 139-159.	5.2	531
2	A Robust and Energy-Efficient Classifier Using Brain-Inspired Hyperdimensional Computing. , 2016, , .		160
3	High-Dimensional Computing as a Nanoscalable Paradigm. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2017, 64, 2508-2521.	5.4	92
4	Encoding Sequential Information in Semantic Space Models: Comparing Holographic Reduced Representation and Random Permutation. <i>Computational Intelligence and Neuroscience</i> , 2015, 2015, 1-18.	1.7	49
5	Language Geometry Using Random Indexing. <i>Lecture Notes in Computer Science</i> , 2017, , 265-274.	1.3	34
6	Large-Scale Memristive Associative Memories. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2014, 22, 562-574.	3.1	33
7	Hyperdimensional Computing for Blind and One-Shot Classification of EEG Error-Related Potentials. <i>Mobile Networks and Applications</i> , 2020, 25, 1958-1969.	3.3	30
8	High-dimensional computing with sparse vectors. , 2015, , .		21
9	Computing with High-Dimensional Vectors. <i>IEEE Design and Test</i> , 2019, 36, 7-14.	1.2	11
10	High-dimensional distributed semantic spaces for utterances. <i>Natural Language Engineering</i> , 2019, 25, 503-517.	2.5	6
11	A 512#x00D7;512-cell associative CAM/Willshaw memory with vector arithmetic. , 2015, , .		2
12	Semantics in High-Dimensional Space. <i>Frontiers in Artificial Intelligence</i> , 2021, 4, 698809.	3.4	2
13	Can neural models of cognition benefit from the advantages of connectionism?. <i>Behavioral and Brain Sciences</i> , 2006, 29, 86-87.	0.7	1
14	Associative memory with occurrence statistics. , 2016, , .		1