

# Dharshan Kumaran

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/476357/publications.pdf>

Version: 2024-02-01

11  
papers

3,533  
citations

840776

11  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

3763  
citing authors

#	ARTICLE	IF	CITATIONS
1	A general reinforcement learning algorithm that masters chess, shogi, and Go through self-play. <i>Science</i> , 2018, 362, 1140-1144.	12.6	1,704
2	Vector-based navigation using grid-like representations in artificial agents. <i>Nature</i> , 2018, 557, 429-433.	27.8	414
3	An Unexpected Sequence of Events: Mismatch Detection in the Human Hippocampus. <i>PLoS Biology</i> , 2006, 4, e424.	5.6	272
4	Tracking the Emergence of Conceptual Knowledge during Human Decision Making. <i>Neuron</i> , 2009, 63, 889-901.	8.1	227
5	Matchâ€Mismatch Processes Underlie Human Hippocampal Responses to Associative Novelty. <i>Journal of Neuroscience</i> , 2007, 27, 8517-8524.	3.6	223
6	Novelty signals: a window into hippocampal information processing. <i>Trends in Cognitive Sciences</i> , 2009, 13, 47-54.	7.8	168
7	Which computational mechanisms operate in the hippocampus during novelty detection?. <i>Hippocampus</i> , 2007, 17, 735-748.	1.9	167
8	The Human Hippocampus: Cognitive Maps or Relational Memory?. <i>Journal of Neuroscience</i> , 2005, 25, 7254-7259.	3.6	163
9	The Dynamics of Hippocampal Activation during Encoding of Overlapping Sequences. <i>Neuron</i> , 2006, 49, 617-629.	8.1	111
10	Impaired spatial and non-spatial configural learning in patients with hippocampal pathology. <i>Neuropsychologia</i> , 2007, 45, 2699-2711.	1.6	38
11	Short-Term Memory and the Human Hippocampus. <i>Journal of Neuroscience</i> , 2008, 28, 3837-3838.	3.6	25