Michael M Yartsev

List of Publications by Year
in descending order

25 papers	1,844 citations	567281 15 h-index	580821 25 g-index
30 all docs	30 docs citations	30 times ranked	2003 citing authors

#	Article	IF	Citations
1	Grid cells without theta oscillations in the entorhinal cortex of bats. Nature, 2011, 479, 103-107.	27.8	376
2	Representation of Three-Dimensional Space in the Hippocampus of Flying Bats. Science, 2013, 340, 367-372.	12.6	374
3	Evidence for hormonal control of heart regenerative capacity during endothermy acquisition. Science, 2019, 364, 184-188.	12.6	252
4	Causal contribution and dynamical encoding in the striatum during evidence accumulation. ELife, 2018, 7, .	6.0	113
5	The emperorâ€™s new wardrobe: Rebalancing diversity of animal models in neuroscience research. Science, 2017, 358, 466-469.	12.6	102
6	Correlated Neural Activity across the Brains of Socially Interacting Bats. Cell, 2019, 178, 413-428.e22.	28.9	97
7	Encoding of Head Direction by Hippocampal Place Cells in Bats. Journal of Neuroscience, 2014, 34, 1067-1080.	3.6	82
8	Nonoscillatory Phase Coding and Synchronization in the Bat Hippocampal Formation. Cell, 2018, 175, 1119-1130.e15.	28.9	81
9	Pausing Purkinje cells in the cerebellum of the awake cat. Frontiers in Systems Neuroscience, 2009, 3, 2.	2.5	58
10	Natural behavior is the language of the brain. Current Biology, 2022, 32, R482-R493.	3.9	53
11	A Modular Approach to Vocal Learning: Disentangling the Diversity of a Complex Behavioral Trait. Neuron, 2019, 104, 87-99.	8.1	47
12	Cortical representation of group social communication in bats. Science, 2021, 374, eaba9584.	12.6	46
13	Mapping the distribution of language related genes FoxP1, FoxP2, and CntnaP2 in the brains of vocal learning bat species. Journal of Comparative Neurology, 2018, 526, 1235-1266.	1.6	28
14	A stable hippocampal code in freely flying bats. Nature, 2022, 604, 98-103.	27.8	28
15	Nonlocal spatiotemporal representation in the hippocampus of freely flying bats. Science, 2021, 373, 242-247.	12.6	24
16	Neuroethology of bat navigation. Current Biology, 2018, 28, R997-R1004.	3.9	21
17	Long-term and persistent vocal plasticity in adult bats. Nature Communications, 2019, 10, 3372.	12.8	21
18	A hierarchical anti-Hebbian network model for the formation of spatial cells in three-dimensional space. Nature Communications, 2018, 9, 4046.	12.8	14

#	Article	IF	Citations
19	The fully automated bat (FAB) flight room: A human-free environment for studying navigation in flying bats and its initial application to the retrosplenial cortex. Journal of Neuroscience Methods, 2021, 348, 108970.	2.5	6
20	Space Bats: Multidimensional Spatial Representation in the Bat. Science, 2013, 342, 573-574.	12.6	5
21	Yartsev et al. reply. Nature, 2012, 488, E2-E2.	27.8	3
22	A unifying mechanism governing inter-brain neural relationship during social interactions. ELife, 2022, 11, .	6.0	3
23	Dissociating the Effects of Past and Future on Neural Encoding of Sequences in The Hippocampus. Journal of Neuroscience, 2008, 28, 8383-8384.	3.6	2
24	Distinct or Gradually Changing Spatial and Nonspatial Representations along the Dorsoventral Axis of the Hippocampus. Journal of Neuroscience, 2010, 30, 7758-7760.	3.6	2
25	The Neural basis of Complex Spatial, Social and Acoustic Behaviors â€“ in Freely Behaving and Flying Bats. FASEB Journal, 2022, 36, .	0.5	0