Elizabeth A Buffalo

List of Publications by Year
in descending order

53	4,496	185998 28	189595 50
papers	citations	h-index	g-index

61	61	61	4641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laminar differences in gamma and alpha coherence in the ventral stream. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11262-11267.	3.3	547
2	A map of visual space in the primate entorhinal cortex. Nature, 2012, 491, 761-764.	13.7	424
3	Impaired Recognition Memory in Monkeys after Damage Limited to the Hippocampal Region. Journal of Neuroscience, 2000, 20, 451-463.	1.7	406
4	A backward progression of attentional effects in the ventral stream. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 361-365.	3.3	252
5	Memory and Space: Towards an Understanding of the Cognitive Map. Journal of Neuroscience, 2015, 35, 13904-13911.	1.7	247
6	Oscillatory activity in the monkey hippocampus during visual exploration and memory formation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13144-13149.	3.3	234
7	The human perirhinal cortex and recognition memory. Hippocampus, 1998, 8, 330-339.	0.9	227
8	Attentional Modulation of Cell-Class-Specific Gamma-Band Synchronization in Awake Monkey Area V4. Neuron, 2013, 80, 1077-1089.	3.8	174
9	Synchronous neural activity and memory formation. Current Opinion in Neurobiology, 2010, 20, 150-155.	2.0	170
10	Gamma-Band Synchronization in the Macaque Hippocampus and Memory Formation. Journal of Neuroscience, 2009, 29, 12521-12531.	1.7	159
11	Profound Amnesia After Damage to the Medial Temporal Lobe: A Neuroanatomical and Neuropsychological Profile of Patient E. P.. Journal of Neuroscience, 2000, 20, 7024-7036.	1.7	128
12	Distinct roles for medial temporal lobe structures in memory for objects and their locations. Learning and Memory, 2006, 13, 638-643.	0.5	113
13	Gender bias in academia: A lifetime problem that needs solutions. Neuron, 2021, 109, 2047-2074.	3.8	106
14	Detecting cognitive impairment by eye movement analysis using automatic classification algorithms. Journal of Neuroscience Methods, 2011, 201, 196-203.	1.3	95
15	Operant Test Battery Performance in Children. Neurotoxicology and Teratology, 1999, 21, 223-230.	1.2	91
16	Recognition memory signals in the macaque hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 401-406.	3.3	79
17	Getting directions from the hippocampus: The neural connection between looking and memory. Neurobiology of Learning and Memory, 2016, 134, 135-144.	1.0	79
18	Empirical mode decomposition of field potentials from macaque V4 in visual spatial attention. Biological Cybernetics, 2005, 92, 380-392.	0.6	73

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19	A reexamination of the concurrent discrimination learning task: The importance of anterior inferotemporal cortex, area TE.. Behavioral Neuroscience, 1998, 112, 3-14.	0.6	68
20	Saccade direction encoding in the primate entorhinal cortex during visual exploration. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15743-15748.	3.3	63
21	Acute behavioral effects of MK-801 in rhesus monkeys: Assessment using an operant test battery. Pharmacology Biochemistry and Behavior, 1994, 48, 935-940.	1.3	62
22	A temporal record of the past with a spectrum of time constants in the monkey entorhinal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20274-20283.	3.3	59
23	Neurons in Primate Entorhinal Cortex Represent Gaze Position in Multiple Spatial Reference Frames. Journal of Neuroscience, 2018, 38, 2430-2441.	1.7	57
24	A nonparametric method for detecting fixations and saccades using cluster analysis: Removing the need for arbitrary thresholds. Journal of Neuroscience Methods, 2014, 227, 121-131.	1.3	48
25	From basic brain research to treating human brain disorders. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26167-26172.	3.3	48
26	Lateralized spatial and object memory encoding in entorhinal and perirhinal cortices. Learning and Memory, 2009, 16, 433-438.	0.5	44
27	Anatomy and Function of the Primate Entorhinal Cortex. Annual Review of Vision Science, 2020, 6, 411-432.	2.3	39
28	Web Camera Based Eye Tracking to Assess Visual Memory on a Visual Paired Comparison Task. Frontiers in Neuroscience, 2017, 11, 370.	1.4	38
29	Entorhinal cortex receptive fields are modulated by spatial attention, even without movement. ELife, 2018, 7, .	2.8	36
30	Bridging the gap between spatial and mnemonic views of the hippocampal formation. Hippocampus, 2015, 25, 713-718.	0.9	33
31	The grid code for ordered experience. Nature Reviews Neuroscience, 2021, 22, 637-649.	4.9	31
32	Device-Embedded Cameras for Eye Trackingâ€“Based Cognitive Assessment: Validation With Paper-Pencil and Computerized Cognitive Composites. Journal of Medical Internet Research, 2018, 20, e11143.	2.1	31
33	Acute effects of caffeine on several operant behaviors in rhesus monkeys. Pharmacology Biochemistry and Behavior, 1993, 46, 733-737.	1.3	25
34	Grid cells map the visual world. Nature Neuroscience, 2018, 21, 161-162.	7.1	22
35	Spatial responses, immediate experience, and memory in the monkey hippocampus. Current Opinion in Behavioral Sciences, 2017, 17, 155-160.	2.0	19
36	Recognition Memory in Marmoset and Macaque Monkeys: A Comparison of Active Vision. Journal of Cognitive Neuroscience, 2019, 31, 1318-1328.	1.1	17

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37	Oscillatory correlates of memory in non-human primates. NeuroImage, 2014, 85, 694-701.	2.1	14
38	Improving rigor and reproducibility in nonhuman primate research. American Journal of Primatology, 2021, 83, e23331.	0.8	14
39	Visual responses to targets and distracters by inferior temporal neurons after lesions of extrastriate areas V4 and TEO. NeuroReport, 2004, 15, 1611-1615.	0.6	13
40	Social relevance drives viewing behavior independent of low-level salience in rhesus macaques. Frontiers in Neuroscience, 2014, 8, 354.	1.4	12
41	Event segmentation reveals working memory forgetting rate. IScience, 2022, 25, 103902.	1.9	12
42	Device-Embedded Cameras for Eye Tracking-Based Cognitive Assessment: Implications for Teleneuropsychology. Telemedicine Journal and E-Health, 2020, 26, 477-481.	1.6	10
43	Neuronal representation of visual borders in the primate entorhinal cortex. Journal of Vision, 2016, 16, 9.	0.1	7
44	Perception and Recognition Memory in Monkeys Following Lesions of Area TE and Perirhinal Cortex. Learning and Memory, 2000, 7, 375-382.	0.5	7
45	Distinct frequencies mark the direction of cortical communication. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14316-14317.	3.3	3
46	Modeling Visual Exploration in Rhesus Macaques with Bottom-Up Salience and Oculomotor Statistics. Frontiers in Integrative Neuroscience, 2016, 10, 23.	1.0	3
47	Differential Contribution of Low- and High-level Image Content to Eye Movements in Monkeys and Humans. Cerebral Cortex, 2017, 27, 279-293.	1.6	3
48	Learning and Memory. , 2013, , 1029-1051.		1
49	Declarative Memory, Neural Basis of. , 2015, , 923-926.		1
50	Auditory landscape on the cognitive map. Nature, 2017, 543, 631-632.	13.7	1
51	Lessons from Leslie: A Tribute to an Extraordinary Scientist and Mentor. Trends in Neurosciences, 2021, 44, 241-243.	4.2	1
52	Value representation in the monkey hippocampus. Trends in Cognitive Sciences, 2022, 26, 4-5.	4.0	1
53	Cover Image, Volume 26, Issue 10. Hippocampus, 2016, 26, C1-C1.	0.9	0