

# Geoffrey A Kerchner

## List of Publications by Year in descending order

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36  
papers

5,427  
citations

218677

26  
h-index

361022

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

7401  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic enhancement of learning and memory in mice. <i>Nature</i> , 1999, 401, 63-69.	27.8	1,666
2	Silent synapses and the emergence of a postsynaptic mechanism for LTP. <i>Nature Reviews Neuroscience</i> , 2008, 9, 813-825.	10.2	519
3	Measurement of Intracellular Free Zinc in Living Cortical Neurons: Routes of Entry. <i>Journal of Neuroscience</i> , 1997, 17, 9554-9564.	3.6	436
4	Genetic enhancement of inflammatory pain by forebrain NR2B overexpression. <i>Nature Neuroscience</i> , 2001, 4, 164-169.	14.8	305
5	Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: Towards a harmonized segmentation protocol. <i>NeuroImage</i> , 2015, 111, 526-541.	4.2	284
6	Noninvasive in vivo monitoring of tissue-specific global gene expression in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7361-7366.	7.1	275
7	Cognitive Processing Speed in Older Adults: Relationship with White Matter Integrity. <i>PLoS ONE</i> , 2012, 7, e50425.	2.5	201
8	AMPA receptorâ€“PDZ interactions in facilitation of spinal sensory synapses. <i>Nature Neuroscience</i> , 1999, 2, 972-977.	14.8	180
9	Presynaptic Kainate Receptors Regulate Spinal Sensory Transmission. <i>Journal of Neuroscience</i> , 2001, 21, 59-66.	3.6	148
10	Hippocampal CA1 apical neuropil atrophy and memory performance in Alzheimer's disease. <i>NeuroImage</i> , 2012, 63, 194-202.	4.2	144
11	A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals?. <i>Hippocampus</i> , 2017, 27, 3-11.	1.9	130
12	Endogenous voltage-gated potassium channels in human embryonic kidney (HEK293) cells. <i>Journal of Neuroscience Research</i> , 1998, 52, 612-617.	2.9	129
13	Direct Presynaptic Regulation of GABA/Glycine Release by Kainate Receptors in the Dorsal Horn. <i>Neuron</i> , 2001, 32, 477-488.	8.1	116
14	Zn 2+ current is mediated by voltage-gated Ca 2+ channels and enhanced by extracellular acidity in mouse cortical neurones. <i>Journal of Physiology</i> , 2000, 528, 39-52.	2.9	97
15	Kainate Receptor Subunits Underlying Presynaptic Regulation of Transmitter Release in the Dorsal Horn. <i>Journal of Neuroscience</i> , 2002, 22, 8010-8017.	3.6	89
16	Bapineuzumab. <i>Expert Opinion on Biological Therapy</i> , 2010, 10, 1121-1130.	3.1	81
17	Safety, Tolerability, and Feasibility of Young Plasma Infusion in the Plasma for Alzheimer Symptom Amelioration Study. <i>JAMA Neurology</i> , 2019, 76, 35.	9.0	77
18	<i>APOE</i> Î¼4 worsens hippocampal CA1 apical neuropil atrophy and episodic memory. <i>Neurology</i> , 2014, 82, 691-697.	1.1	75

#	ARTICLE	IF	CITATIONS
19	Individual differences in associative memory among older adults explained by hippocampal subfield structure and function. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12075-12080.	7.1	62
20	Abhorring the vacuum: use of Alzheimer's disease medications in frontotemporal dementia. Expert Review of Neurotherapeutics, 2011, 11, 709-717.	2.8	47
21	Hippocampal CA1 subfield predicts episodic memory impairment in Parkinson's disease. NeuroImage: Clinical, 2019, 23, 101824.	2.7	47
22	Shared Vulnerability of Two Synaptically-Connected Medial Temporal Lobe Areas to Age and Cognitive Decline: A Seven Tesla Magnetic Resonance Imaging Study. Journal of Neuroscience, 2013, 33, 16666-16672.	3.6	41
23	Ultra-High Field 7T MRI: A New Tool for Studying Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 26, 91-95.	2.6	39
24	Hippocampal and cortical mechanisms at retrieval explain variability in episodic remembering in older adults. ELife, 2020, 9, .	6.0	38
25	Glutamate and the Presynaptic Control of Spinal Sensory Transmission. Neuroscientist, 2002, 8, 89-92.	3.5	29
26	Presynaptic Suppression of Dorsal Horn Inhibitory Transmission by $\mu$ -Opioid Receptors. Journal of Neurophysiology, 2002, 88, 520-522.	1.8	27
27	Optimization of Magnetization-Prepared 3-Dimensional Fluid Attenuated Inversion Recovery Imaging for Lesion Detection at 7 T. Investigative Radiology, 2014, 49, 290-298.	6.2	27
28	Speaking Out of Turn: A Role for Silent Synapses in Pain. IUBMB Life, 1999, 48, 251-256.	3.4	24
29	Speaking Out of Turn: A Role for Silent Synapses in Pain. IUBMB Life, 1999, 48, 251-256.	3.4	19
30	Association of CSF Biomarkers With Hippocampal-Dependent Memory in Preclinical Alzheimer Disease. Neurology, 2021, 96, e1470-e1481.	1.1	19
31	Substantia Nigra Volume Dissociates Bradykinesia and Rigidity from Tremor in Parkinson's Disease: A 7 Tesla Imaging Study. Journal of Parkinson's Disease, 2020, 10, 591-604.	2.8	16
32	The Role of Aging in Alzheimer's Disease. , 2016, , 197-227.		12
33	Reply To "Do 'smart' mice feel more pain, or are they just better learners?". Nature Neuroscience, 2001, 4, 453-454.	14.8	11
34	Influenza-associated global amnesia and hippocampal imaging abnormality. Neurocase, 2014, 20, 446-451.	0.6	8
35	Novel presenilin-1 Y159F sequence variant associated with early-onset Alzheimer's disease. Neuroscience Letters, 2012, 531, 142-144.	2.1	6
36	Amyloid imaging for Alzheimer's disease. Expert Opinion on Medical Diagnostics, 2011, 5, 527-538.	1.6	2