

# Raymond E Hulse

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13  
papers

636  
citations

12  
h-index

16  
g-index

16  
ext. papers

745  
ext. citations

14.6  
avg, IF

3.41  
L-index

#	Paper	IF	Citations
13	Structural mechanism of voltage-dependent gating in an isolated voltage-sensing domain. <i>Nature Structural and Molecular Biology</i> , <b>2014</b> , 21, 244-52	17.6	173
12	Astrocytic clasmatodendrosis in hippocampal organ culture. <i>Glia</i> , <b>2001</b> , 33, 169-79	9	65
11	Structure of the mammalian TRPM7, a magnesium channel required during embryonic development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E8201-E8210	11.5	63
10	Biomolecular DNP-Supported NMR Spectroscopy using Site-Directed Spin Labeling. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 12971-7	4.8	59
9	Multiplexed cytokine protein expression profiles from spreading depression in hippocampal organotypic cultures. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2004</b> , 24, 829-39	7.3	47
8	Importance of lipid-pore loop interface for potassium channel structure and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 13008-13	11.5	42
7	Monomeric IgG is neuroprotective via enhancing microglial recycling endocytosis and TNF-alpha. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 12199-211	6.6	40
6	Structure, function, and regulation of insulin-degrading enzyme. <i>Vitamins and Hormones</i> , <b>2009</b> , 80, 635-48	4.5	33
5	Optical current source density analysis in hippocampal organotypic culture shows that spreading depression occurs with uniquely reversing currents. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 3952-61	6.6	32
4	Cryo-EM structure of the polycystin 2-l1 ion channel. <i>ELife</i> , <b>2018</b> , 7,	8.9	31
3	Symmetry-constrained analysis of pulsed double electron-electron resonance (DEER) spectroscopy reveals the dynamic nature of the KcsA activation gate. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 16360-9	16.4	30
2	Conformational dynamics at the inner gate of KcsA during activation. <i>Biochemistry</i> , <b>2014</b> , 53, 2557-9	3.2	16
1	Up a hydrophobic creek with a short paddle. <i>Cell</i> , <b>2010</b> , 142, 515-6	56.2	3