

# Richard B Dewell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8344755/publications.pdf>

Version: 2024-02-01

10  
papers

112  
citations

1478505

6  
h-index

1372567

10  
g-index

12  
all docs

12  
docs citations

12  
times ranked

128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biophysics of object segmentation in a collision-detecting neuron. <i>ELife</i> , 2018, 7, .	6.0	23
2	Pre-synaptic Muscarinic Excitation Enhances the Discrimination of Looming Stimuli in a Collision-Detection Neuron. <i>Cell Reports</i> , 2018, 23, 2365-2378.	6.4	20
3	Active membrane conductances and morphology of a collision detection neuron broaden its impedance profile and improve discrimination of input synchrony. <i>Journal of Neurophysiology</i> , 2019, 122, 691-706.	1.8	17
4	Feedforward Inhibition Conveys Time-Varying Stimulus Information in a Collision Detection Circuit. <i>Current Biology</i> , 2018, 28, 1509-1521.e3.	3.9	15
5	Escape Behavior: Linking Neural Computation to Action. <i>Current Biology</i> , 2012, 22, R152-R153.	3.9	11
6	Optogenetic manipulation of medullary neurons in the locust optic lobe. <i>Journal of Neurophysiology</i> , 2018, 120, 2049-2058.	1.8	9
7	M current regulates firing mode and spike reliability in a collision-detecting neuron. <i>Journal of Neurophysiology</i> , 2018, 120, 1753-1764.	1.8	8
8	Molecular characterization and distribution of the voltage-gated sodium channel, Para, in the brain of the grasshopper and vinegar fly. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2020, 206, 289-307.	1.6	6
9	Degree of neuromuscular facilitation is correlated with contribution to walking in leg muscles of two species of crab. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2008, 194, 1031-1041.	1.6	1
10	Collision Avoidance: Broadening the Toolkit for Directionally Selective Motion Computations. <i>Current Biology</i> , 2018, 28, R124-R126.	3.9	1