

# Trevor J Wardill

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

8,217  
citations

394421

19  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

11348  
citing authors

#	ARTICLE	IF	CITATIONS
1	Avoiding obstacles while intercepting a moving target: a miniature fly's solution. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	12
2	Cuttlefish use stereopsis to strike at prey. <i>Science Advances</i> , 2020, 6, eaay6036.	10.3	46
3	A novel setup for simultaneous two-photon functional imaging and precise spectral and spatial visual stimulation in <i>Drosophila</i> . <i>Scientific Reports</i> , 2020, 10, 15681.	3.3	1
4	The spectral sensitivity of <i>Drosophila</i> photoreceptors. <i>Scientific Reports</i> , 2020, 10, 18242.	3.3	52
5	Endoplasmic Reticulum Luminal Indicators in <i>Drosophila</i> Reveal Effects of HSP-Related Mutations on Endoplasmic Reticulum Calcium Dynamics. <i>Frontiers in Neuroscience</i> , 2020, 14, 816.	2.8	13
6	Binocular Encoding in the Damselfly Pre-motor Target Tracking System. <i>Current Biology</i> , 2020, 30, 645-656.e4.	3.9	14
7	Long-Wavelength Reflecting Filters Found in the Larval Retinas of One Mantis Shrimp Family ( <i>Nannosquillidae</i> ). <i>Current Biology</i> , 2019, 29, 3101-3108.e4.	3.9	14
8	Neural Control of Dynamic 3-Dimensional Skin Papillae for Cuttlefish Camouflage. <i>iScience</i> , 2018, 1, 24-34.	4.1	32
9	Visual approach computation in feeding hoverflies. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	8
10	Interception by two predatory fly species is explained by a proportional navigation feedback controller. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180466.	3.4	43
11	A Novel Interception Strategy in a Miniature Robber Fly with Extreme Visual Acuity. <i>Current Biology</i> , 2017, 27, 854-859.	3.9	72
12	Can chromatic aberration enable color vision in natural environments?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6908-E6909.	7.1	13
13	The Killer Fly Hunger Games: Target Size and Speed Predict Decision to Pursuit. <i>Brain, Behavior and Evolution</i> , 2015, 86, 28-37.	1.7	20
14	An Unexpected Diversity of Photoreceptor Classes in the Longfin Squid, <i>Doryteuthis pealeii</i> . <i>PLoS ONE</i> , 2015, 10, e0135381.	2.5	21
15	The structureâ€“function relationships of a natural nanoscale photonic device in cuttlefish chromatophores. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20130942.	3.4	59
16	Ultrasensitive fluorescent proteins for imaging neuronal activity. <i>Nature</i> , 2013, 499, 295-300.	27.8	5,490
17	Genetically encoded calcium indicators for multi-color neural activity imaging and combination with optogenetics. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 2.	2.9	629
18	Chromatophore radial muscle fibers anchor in flexible squid skin. <i>Invertebrate Biology</i> , 2013, 132, 120-132.	0.9	25

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19	A Neuron-Based Screening Platform for Optimizing Genetically-Encoded Calcium Indicators. PLoS ONE, 2013, 8, e77728.	2.5	66
20	Neural control of tuneable skin iridescence in squid. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4243-4252.	2.6	57
21	Multiple Spectral Inputs Improve Motion Discrimination in the <i>Drosophila</i> Visual System. Science, 2012, 336, 925-931.	12.6	107
22	Labeling and Confocal Imaging of Neurons in Thick Invertebrate Tissue Samples. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot069625.	0.3	31
23	Optimization of a GCaMP Calcium Indicator for Neural Activity Imaging. Journal of Neuroscience, 2012, 32, 13819-13840.	3.6	1,099
24	Compound eyes and retinal information processing in miniature dipteran species match their specific ecological demands. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4224-4229.	7.1	113
25	Overexpressing Temperature-Sensitive Dynamin Decelerates Phototransduction and Bundles Microtubules in <i>Drosophila</i> Photoreceptors. Journal of Neuroscience, 2009, 29, 14199-14210.	3.6	34
26	Dissecting the resolution of a fruit fly retina. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, S157.	1.8	0
27	Exploring visual motion circuitry in <i>Drosophila</i> with ultraviolet light. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, S158.	1.8	0
28	Network Adaptation Improves Temporal Representation of Naturalistic Stimuli in <i>Drosophila</i> Eye: II Mechanisms. PLoS ONE, 2009, 4, e4306.	2.5	31
29	Network Adaptation Improves Temporal Representation of Naturalistic Stimuli in <i>Drosophila</i> Eye: I Dynamics. PLoS ONE, 2009, 4, e4307.	2.5	46
30	A Leucine Aminopeptidase Gene of the Pacific Oyster <i>Crassostrea gigas</i> Exhibits an Unusually High Level of Sequence Variation, Predicted to Affect Structure, and Hence Activity, of the Enzyme. Journal of Shellfish Research, 2008, 27, 1143-1154.	0.9	5
31	The importance of species identity in the biocontrol process: identifying the subspecies of <i>Acacia nilotica</i> (Leguminosae: Mimosoideae) by genetic distance and the implications for biological control. Journal of Biogeography, 2005, 32, 2145-2159.	3.0	42
32	Isolation and characterization of microsatellite loci from <i>Chiasmia assimilis</i> (Warren, 1899) (Lepidoptera: Geometridae). Molecular Ecology Notes, 2004, 4, 358-360.	1.7	2
33	Isolation and characterization of microsatellite loci from <i>Acacia nilotica</i> ssp. <i>indica</i> (Mimosaceae). Molecular Ecology Notes, 2004, 4, 361-363.	1.7	10