

# Susan E Brockerhoff

## List of Publications by Citations

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33  
papers

1,376  
citations

21  
h-index

36  
g-index

36  
ext. papers

1,655  
ext. citations

6  
avg, IF

4.32  
L-index

#	Paper	IF	Citations
33	Biochemical adaptations of the retina and retinal pigment epithelium support a metabolic ecosystem in the vertebrate eye. <i>ELife</i> , <b>2017</b> , 6,	8.9	146
32	Mutations affecting eye morphology in the developing zebrafish ( <i>Danio rerio</i> ). <i>Genesis</i> , <b>1997</b> , 20, 288-95		94
31	The zebrafish nrc mutant reveals a role for the polyphosphoinositide phosphatase synaptojanin 1 in cone photoreceptor ribbon anchoring. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 8641-50	6.6	92
30	Synapse formation is arrested in retinal photoreceptors of the zebrafish nrc mutant. <i>Journal of Neuroscience</i> , <b>2001</b> , 21, 2330-42	6.6	91
29	A new form of inherited red-blindness identified in zebrafish. <i>Journal of Neuroscience</i> , <b>1997</b> , 17, 4236-426.6		90
28	Measuring the optokinetic response of zebrafish larvae. <i>Nature Protocols</i> , <b>2006</b> , 1, 2448-51	18.8	90
27	A mutation in the cone-specific pde6 gene causes rapid cone photoreceptor degeneration in zebrafish. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 13866-74	6.6	86
26	Light stimulates a transducin-independent increase of cytoplasmic Ca <sup>2+</sup> and suppression of current in cones from the zebrafish mutant nof. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 470-80	6.6	83
25	Zebrafish retinal mutants. <i>Vision Research</i> , <b>1998</b> , 38, 1335-9	2.1	67
24	Identification of a zebrafish cone photoreceptor-specific promoter and genetic rescue of achromatopsia in the nof mutant. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 522-9		64
23	Genetic dissection reveals two separate pathways for rod and cone regeneration in the teleost retina. <i>Developmental Neurobiology</i> , <b>2008</b> , 68, 605-19	3.2	62
22	Genetics of photoreceptor degeneration and regeneration in zebrafish. <i>Cellular and Molecular Life Sciences</i> , <b>2011</b> , 68, 651-9	10.3	53
21	Arf6 and the 5 $\alpha$ phosphatase of synaptojanin 1 regulate autophagy in cone photoreceptors. <i>BioEssays</i> , <b>2016</b> , 38 Suppl 1, S119-35	4.1	51
20	Structural analysis of wild-type and mutant yeast calmodulins by limited proteolysis and electrospray ionization mass spectrometry. <i>Protein Science</i> , <b>1992</b> , 1, 504-16	6.3	36
19	The zebrafish pob gene encodes a novel protein required for survival of red cone photoreceptor cells. <i>Genetics</i> , <b>2005</b> , 170, 263-73	4	34
18	Synaptojanin 1 is required for endolysosomal trafficking of synaptic proteins in cone photoreceptor inner segments. <i>PLoS ONE</i> , <b>2014</b> , 9, e84394	3.7	31
17	Mitochondria Maintain Distinct Ca Pools in Cone Photoreceptors. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 20616-20723	10.72	30

16	Differential role for synaptojanin 1 in rod and cone photoreceptors. <i>Journal of Comparative Neurology</i> , <b>2009</b> , 517, 633-44	3.4	29
15	Abnormal differentiation of dopaminergic neurons in zebrafish trpm7 mutant larvae impairs development of the motor pattern. <i>Developmental Biology</i> , <b>2014</b> , 386, 428-39	3.1	27
14	Wild-type cone photoreceptors persist despite neighboring mutant cone degeneration. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 382-9	6.6	22
13	Celsr3 is required for normal development of GABA circuits in the inner retina. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1002239	6	22
12	Increasing Ca in photoreceptor mitochondria alters metabolites, accelerates photoresponse recovery, and reveals adaptations to mitochondrial stress. <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 1067-1085	12.7	17
11	Daily mitochondrial dynamics in cone photoreceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 28816-28827	11.5	11
10	Mitochondrial Calcium Uniporter (MCU) deficiency reveals an alternate path for Ca uptake in photoreceptor mitochondria. <i>Scientific Reports</i> , <b>2020</b> , 10, 16041	4.9	11
9	Arf6 and the 5 $\alpha$ phosphatase of Synaptojanin 1 regulate autophagy in cone photoreceptors. <i>Inside the Cell</i> , <b>2016</b> , 1, 117-133		10
8	Non-photopic and photopic visual cycles differentially regulate immediate, early, and late phases of cone photoreceptor-mediated vision. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 6482-6497	5.4	9
7	Phosphoinositides and photoreceptors. <i>Molecular Neurobiology</i> , <b>2011</b> , 44, 420-5	6.2	8
6	Identification of amacrine subtypes that express the atypical cadherin celsr3. <i>Experimental Eye Research</i> , <b>2015</b> , 130, 51-7	3.7	5
5	Genome Editing to Study Ca Homeostasis in Zebrafish Cone Photoreceptors. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 1016, 91-100	3.6	2
4	A highly conserved zebrafish IMPDH retinal isoform produces the majority of guanine and forms dynamic protein filaments in photoreceptor cells. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 101441	5.4	1
3	Biochemical adaptations of the retina and retinal pigment epithelium support a metabolic ecosystem in the vertebrate eye		1
2	Preparing Fresh Retinal Slices from Adult Zebrafish for Ex Vivo Imaging Experiments. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	1
1	Zebrafish in Biomedical Research <b>2020</b> , 237-244		