

Susan E Brockerhoff

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,815
citations

304602

22
h-index

454834

30
g-index

36
all docs

36
docs citations

36
times ranked

1747
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical adaptations of the retina and retinal pigment epithelium support a metabolic ecosystem in the vertebrate eye. <i>ELife</i> , 2017, 6, .	2.8	254
2	A Mutation in the Cone-Specific <i>pde6</i> Gene Causes Rapid Cone Photoreceptor Degeneration in Zebrafish. <i>Journal of Neuroscience</i> , 2007, 27, 13866-13874.	1.7	114
3	Measuring the optokinetic response of zebrafish larvae. <i>Nature Protocols</i> , 2006, 1, 2448-2451.	5.5	108
4	Mutations affecting eye morphology in the developing zebrafish (<i>Danio rerio</i>). <i>Genesis</i> , 1997, 20, 288-295.	3.3	105
5	The Zebrafish <i>nrc</i> Mutant Reveals a Role for the Polyphosphoinositide Phosphatase Synaptojanin 1 in Cone Photoreceptor Ribbon Anchoring. <i>Journal of Neuroscience</i> , 2004, 24, 8641-8650.	1.7	105
6	Synapse Formation Is Arrested in Retinal Photoreceptors of the Zebrafish <i>nrc</i> Mutant. <i>Journal of Neuroscience</i> , 2001, 21, 2330-2342.	1.7	102
7	A New Form of Inherited Red-Blindness Identified in Zebrafish. <i>Journal of Neuroscience</i> , 1997, 17, 4236-4242.	1.7	101
8	Light Stimulates a Transducin-Independent Increase of Cytoplasmic Ca ²⁺ and Suppression of Current in Cones from the Zebrafish Mutant <i>nof</i> . <i>Journal of Neuroscience</i> , 2003, 23, 470-480.	1.7	101
9	Identification of a Zebrafish Cone Photoreceptor-Specific Promoter and Genetic Rescue of Achromatopsia in the <i>nof</i> Mutant. , 2007, 48, 522.		92
10	Genetic dissection reveals two separate pathways for rod and cone regeneration in the teleost retina. <i>Developmental Neurobiology</i> , 2008, 68, 605-619.	1.5	89
11	Zebrafish retinal mutants. <i>Vision Research</i> , 1998, 38, 1335-1339.	0.7	71
12	Genetics of photoreceptor degeneration and regeneration in zebrafish. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 651-659.	2.4	69
13	<i>Arf6</i> and the 5'phosphatase of synaptojanin 1 regulate autophagy in cone photoreceptors. <i>BioEssays</i> , 2016, 38, S119-35.	1.2	64
14	The Zebrafish <i>pob</i> Gene Encodes a Novel Protein Required for Survival of Red Cone Photoreceptor Cells Sequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession no. AY745978.. <i>Genetics</i> , 2005, 170, 263-273.	1.2	41
15	Synaptojanin 1 Is Required for Endolysosomal Trafficking of Synaptic Proteins in Cone Photoreceptor Inner Segments. <i>PLoS ONE</i> , 2014, 9, e84394.	1.1	41
16	Mitochondria Maintain Distinct Ca ²⁺ Pools in Cone Photoreceptors. <i>Journal of Neuroscience</i> , 2017, 37, 2061-2072.	1.7	40
17	Structural analysis of wild-type and mutant yeast calmodulins by limited proteolysis and electrospray ionization mass spectrometry. <i>Protein Science</i> , 1992, 1, 504-516.	3.1	39
18	<i>Arf6</i> and the 5'phosphatase of synaptojanin 1 regulate autophagy in cone photoreceptors. <i>Inside the Cell</i> , 2016, 1, 117-133.	0.4	38

#	ARTICLE	IF	CITATIONS
19	Daily mitochondrial dynamics in cone photoreceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28816-28827.	3.3	36
20	Differential role for synaptojanin 1 in rod and cone photoreceptors. <i>Journal of Comparative Neurology</i> , 2009, 517, 633-644.	0.9	32
21	Abnormal differentiation of dopaminergic neurons in zebrafish <i>trpm7</i> mutant larvae impairs development of the motor pattern. <i>Developmental Biology</i> , 2014, 386, 428-439.	0.9	31
22	Increasing Ca ²⁺ in photoreceptor mitochondria alters metabolites, accelerates photoresponse recovery, and reveals adaptations to mitochondrial stress. <i>Cell Death and Differentiation</i> , 2020, 27, 1067-1085.	5.0	27
23	<i>Celsr3</i> Is Required for Normal Development of GABA Circuits in the Inner Retina. <i>PLoS Genetics</i> , 2011, 7, e1002239.	1.5	25
24	Wild-Type Cone Photoreceptors Persist Despite Neighboring Mutant Cone Degeneration. <i>Journal of Neuroscience</i> , 2010, 30, 382-389.	1.7	24
25	Mitochondrial Calcium Uniporter (MCU) deficiency reveals an alternate path for Ca ²⁺ uptake in photoreceptor mitochondria. <i>Scientific Reports</i> , 2020, 10, 16041.	1.6	21
26	Non-photopic and photopic visual cycles differentially regulate immediate, early, and late phases of cone photoreceptor-mediated vision. <i>Journal of Biological Chemistry</i> , 2020, 295, 6482-6497.	1.6	15
27	Phosphoinositides and Photoreceptors. <i>Molecular Neurobiology</i> , 2011, 44, 420-425.	1.9	9
28	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> , 2022, 298, 101441.	1.6	7
29	Identification of amacrine subtypes that express the atypical cadherin <i>celsr3</i> . <i>Experimental Eye Research</i> , 2015, 130, 51-57.	1.2	5
30	Genome Editing to Study Ca ²⁺ Homeostasis in Zebrafish Cone Photoreceptors. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1016, 91-100.	0.8	3
31	Preparing Fresh Retinal Slices from Adult Zebrafish for <i>Ex Vivo</i> Imaging Experiments. <i>Journal of Visualized Experiments</i> , 2018, .	0.2	3
32	Zebrafish in Biomedical Research. , 2020, , 237-244.		0