Tiffany M Schmidt

List of Publications by Year
in descending order

33 papers	2,526 citations	304743 22 h-index	414414 32 g-index
40 all docs	40 docs citations	40 times ranked	1997 citing authors

#	Article	IF	Citations
1	Atoh7-independent specification of retinal ganglion cell identity. Science Advances, 2021, 7, .	10.3	41
2	Diversity of intrinsically photosensitive retinal ganglion cells: circuits and functions. Cellular and Molecular Life Sciences, 2021, 78, 889-907.	5.4	87
3	Melanopsin phototransduction: beyond canonical cascades. Journal of Experimental Biology, 2021, 224, .	1.7	21
4	Overlapping morphological and functional properties between M4 and M5 intrinsically photosensitive retinal ganglion cells. Journal of Comparative Neurology, 2020, 528, 1028-1040.	1.6	33
5	A noncanonical inhibitory circuit dampens behavioral sensitivity to light. Science, 2020, 368, 527-531.	12.6	62
6	Cellular properties of intrinsically photosensitive retinal ganglion cells during postnatal development. Neural Development, 2019, 14, 8.	2.4	17
7	Thrombospondin-1 Mediates Axon Regeneration in Retinal Ganglion Cells. Neuron, 2019, 103, 642-657.e7.	8.1	93
8	M1 Intrinsically Photosensitive Retinal Ganglion Cells Integrate Rod and Melanopsin Inputs to Signal in Low Light. Cell Reports, 2019, 29, 3349-3355.e2.	6.4	35
9	Distinct ipRGC subpopulations mediate lightâ€™s acute and circadian effects on body temperature and sleep. ELife, 2019, 8, .	6.0	71
10	Morphological Identification of Melanopsin-Expressing Retinal Ganglion Cell Subtypes in Mice. Methods in Molecular Biology, 2018, 1753, 275-287.	0.9	13
11	Melanopsin Retinal Ganglion Cells Regulate Cone Photoreceptor Lamination in the Mouse Retina. Cell Reports, 2018, 23, 2416-2428.	6.4	29
12	Melanopsin Phototransduction Is Repurposed by ipRGC Subtypes to Shape the Function of Distinct Visual Circuits. Neuron, 2018, 99, 754-767.e4.	8.1	88
13	Divergent projection patterns of M1 ipRGC subtypes. Journal of Comparative Neurology, 2018, 526, 2010-2018.	1.6	57
14	Light-dependent pathways for dopaminergic amacrine cell development and function. ELife, 2018, 7, .	6.0	32
15	Single-cell RNA-Seq of Defined Subsets of Retinal Ganglion Cells. Journal of Visualized Experiments, 2017, , .	0.3	7
16	Intraocular Injection of ES Cell-Derived Neural Progenitors Improve Visual Function in Retinal Ganglion Cell-Depleted Mouse Models. Frontiers in Cellular Neuroscience, 2017, 11, 295.	3.7	26
17	Melanopsin Phototransduction Contributes to Light-Evoked Choroidal Expansion and Rod L-Type Calcium Channel Function In Vivo. , 2016, 57, 5314.		23
18	Re-evaluating the Role of Intrinsically Photosensitive Retinal Ganglion Cells: New Roles in Image-Forming Functions. Integrative and Comparative Biology, 2016, 56, 834-841.	2.0	32

#	Article	IF	Citations
19	Loss of Gq/11 Genes Does Not Abolish Melanopsin Phototransduction. PLoS ONE, 2014, 9, e98356.	2.5	20
20	A Role for Melanopsin in Alpha Retinal Ganglion Cells and Contrast Detection. Neuron, 2014, 82, 781-788.	8.1	195
21	Diverse types of ganglion cell photoreceptors in the mammalian retina. Progress in Retinal and Eye Research, 2012, 31, 287-302.	15.5	87
22	Intrinsically photosensitive retinal ganglion cells: many subtypes, diverse functions. Trends in Neurosciences, 2011, 34, 572-580.	8.6	451
23	An Isolated Retinal Preparation to Record Light Response from Genetically Labeled Retinal Ganglion Cells. Journal of Visualized Experiments, 2011, , .	0.3	20
24	Intrinsic phototransduction persists in melanopsin-expressing ganglion cells lacking diacylglycerol-sensitive TRPC subunits. European Journal of Neuroscience, 2011, 33, 856-867.	2.6	55
25	Structure and function of bistratified intrinsically photosensitive retinal ganglion cells in the mouse. Journal of Comparative Neurology, 2011, 519, 1492-1504.	1.6	101
26	Melanopsin-Positive Intrinsically Photosensitive Retinal Ganglion Cells: From Form to Function. Journal of Neuroscience, 2011, 31, 16094-16101.	3.6	219
27	Differential Cone Pathway Influence on Intrinsically Photosensitive Retinal Ganglion Cell Subtypes. Journal of Neuroscience, 2010, 30, 16262-16271.	3.6	90
28	Inwardly rectifying potassium channel Kir4.1 is responsible for the native inward potassium conductance of satellite glial cells in sensory ganglia. Neuroscience, 2010, 166, 397-407.	2.3	67
29	Functional and Morphological Differences among Intrinsically Photosensitive Retinal Ganglion Cells. Journal of Neuroscience, 2009, 29, 476-482.	3.6	200
30	Role of Melastatin-Related Transient Receptor Potential Channel TRPM1 in the Retina: Clues from Horses and Mice. Journal of Neuroscience, 2009, 29, 11720-11722.	3.6	4
31	Differential Investment Behavior between Grandparents and Grandchildren: The Role of Paternity Uncertainty. Evolutionary Psychology, 2009, 7, 147470490900700.	0.9	74
32	Intrinsic and Extrinsic Light Responses in Melanopsin-Expressing Ganglion Cells During Mouse Development. Journal of Neurophysiology, 2008, 100, 371-384.	1.8	160
33	Novel insights into non-image forming visual processing in the retina. Cellscience, 2008, 5, 77-83.	0.3	5