

Sonja Kleinlogel

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,145
citations

686830

13
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

1570
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra light-sensitive and fast neuronal activation with the Ca ²⁺ -permeable channelrhodopsin CatCh. <i>Nature Neuroscience</i> , 2011, 14, 513-518.	7.1	405
2	Structural Guidance of the Photocycle of Channelrhodopsin-2 by an Interhelical Hydrogen Bond. <i>Biochemistry</i> , 2010, 49, 267-278.	1.2	203
3	Restoring the ON Switch in Blind Retinas: Opto-mGluR6, a Next-Generation, Cell-Tailored Optogenetic Tool. <i>PLoS Biology</i> , 2015, 13, e1002143.	2.6	184
4	A gene-fusion strategy for stoichiometric and co-localized expression of light-gated membrane proteins. <i>Nature Methods</i> , 2011, 8, 1083-1088.	9.0	79
5	Emerging approaches for restoration of hearing and vision. <i>Physiological Reviews</i> , 2020, 100, 1467-1525.	13.1	45
6	The Secret World of Shrimps: Polarisation Vision at Its Best. <i>PLoS ONE</i> , 2008, 3, e2190.	1.1	33
7	Generation of Otic Sensory Neurons from Mouse Embryonic Stem Cells in 3D Culture. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 409.	1.8	32
8	Empowering Retinal Gene Therapy with a Specific Promoter for Human Rod and Cone ON-Bipolar Cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 17, 505-519.	1.8	32
9	Optogenetic user s guide to Opto-GPCRs. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 794-805.	3.0	27
10	Present Molecular Limitations of ON-Bipolar Cell Targeted Gene Therapy. <i>Frontiers in Neuroscience</i> , 2017, 11, 161.	1.4	27
11	Chronic activation of the D156A point mutant of Channelrhodopsin-2 signals apoptotic cell death: the good and the bad. <i>Cell Death and Disease</i> , 2016, 7, e2447-e2447.	2.7	17
12	Dynamic all-optical drug screening on cardiac voltage-gated ion channels. <i>Scientific Reports</i> , 2018, 8, 1153.	1.6	17
13	Variable phenotypic expressivity in inbred retinal degeneration mouse lines: A comparative study of C3H/HeOu and FVB/N rd1 mice. <i>Molecular Vision</i> , 2015, 21, 811-27.	1.1	15
14	Embryonic Cell Grafts in a Culture Model of Spinal Cord Lesion: Neuronal Relay Formation Is Essential for Functional Regeneration. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 220.	1.8	12
15	Functional Availability of ON-Bipolar Cells in the Degenerated Retina: Timing and Longevity of an Optogenetic Gene Therapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11515.	1.8	9
16	Two Functional Classes of Rod Bipolar Cells in the Healthy and Degenerated Optogenetically Treated Murine Retina. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 809531.	1.8	6
17	Optogenetic neuroregeneration. <i>Neural Regeneration Research</i> , 2022, 17, 1468.	1.6	1