

Tian Xue

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,748
citations

304743

22
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

3650
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of three-dimensional retinal tissue with functional photoreceptors from human iPSCs. <i>Nature Communications</i> , 2014, 5, 4047.	12.8	772
2	Mammalian Near-Infrared Image Vision through Injectable and Self-Powered Retinal Nanoantennae. <i>Cell</i> , 2019, 177, 243-255.e15.	28.9	206
3	Gene Correction Reverses Ciliopathy and Photoreceptor Loss in iPSC-Derived Retinal Organoids from Retinitis Pigmentosa Patients. <i>Stem Cell Reports</i> , 2018, 10, 1267-1281.	4.8	183
4	A Visual Circuit Related to Habenula Underlies the Antidepressive Effects of Light Therapy. <i>Neuron</i> , 2019, 102, 128-142.e8.	8.1	174
5	Single-Cell Analysis of Human Retina Identifies Evolutionarily Conserved and Species-Specific Mechanisms Controlling Development. <i>Developmental Cell</i> , 2020, 53, 473-491.e9.	7.0	170
6	Moderate UV Exposure Enhances Learning and Memory by Promoting a Novel Glutamate Biosynthetic Pathway in the Brain. <i>Cell</i> , 2018, 173, 1716-1727.e17.	28.9	142
7	Benchmarking spatial and single-cell transcriptomics integration methods for transcript distribution prediction and cell type deconvolution. <i>Nature Methods</i> , 2022, 19, 662-670.	19.0	130
8	A circadian rhythm-gated subcortical pathway for nighttime-light-induced depressive-like behaviors in mice. <i>Nature Neuroscience</i> , 2020, 23, 869-880.	14.8	100
9	Nanowire arrays restore vision in blind mice. <i>Nature Communications</i> , 2018, 9, 786.	12.8	89
10	Dominant-Negative Suppression of HCN1- and HCN2-Encoded Pacemaker Currents by an Engineered HCN1 Construct. <i>Circulation Research</i> , 2002, 90, 1267-1273.	4.5	76
11	Astrocytic ApoE reprograms neuronal cholesterol metabolism and histone-acetylation-mediated memory. <i>Neuron</i> , 2021, 109, 957-970.e8.	8.1	76
12	In vivo genome editing rescues photoreceptor degeneration via a Cas9/RecA-mediated homology-directed repair pathway. <i>Science Advances</i> , 2019, 5, eaav3335.	10.3	67
13	Distinct thalamocortical circuits underlie allodynia induced by tissue injury and by depression-like states. <i>Nature Neuroscience</i> , 2021, 24, 542-553.	14.8	64
14	Constitutive G β γ Coupling Activity of Very Large G Protein-coupled Receptor 1 (VLGR1) and Its Regulation by PDZD7 Protein. <i>Journal of Biological Chemistry</i> , 2014, 289, 24215-24225.	3.4	60
15	Accelerated photoreceptor differentiation of hiPSC-derived retinal organoids by contact co-culture with retinal pigment epithelium. <i>Stem Cell Research</i> , 2019, 39, 101491.	0.7	52
16	A Visual Circuit Related to the Nucleus Reunions for the Spatial-Memory-Promoting Effects of Light Treatment. <i>Neuron</i> , 2021, 109, 347-362.e7.	8.1	49
17	Chromatin accessibility analysis reveals regulatory dynamics of developing human retina and hiPSC-derived retinal organoids. <i>Science Advances</i> , 2020, 6, eaay5247.	10.3	47
18	Melatonin alleviates morphine analgesic tolerance in mice by decreasing NLRP3 inflammasome activation. <i>Redox Biology</i> , 2020, 34, 101560.	9.0	39

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19	Synergistic Signaling by Light and Acetylcholine in Mouse Iris Sphincter Muscle. <i>Current Biology</i> , 2017, 27, 1791-1800.e5.	3.9	29
20	An External Determinant in the S5-P Linker of the Pacemaker (HCN) Channel Identified by Sulfhydryl Modification. <i>Journal of Biological Chemistry</i> , 2002, 277, 46233-46242.	3.4	28
21	A single-cell transcriptome atlas of the aging human and macaque retina. <i>National Science Review</i> , 2021, 8, nwaal179.	9.5	26
22	Novel Interactions Identified between $\hat{1}/4$ -Conotoxin and the Na ⁺ Channel Domain I P-loop: Implications for Toxin-Pore Binding Geometry. <i>Biophysical Journal</i> , 2003, 85, 2299-2310.	0.5	23
23	CLN7 is an organellar chloride channel regulating lysosomal function. <i>Science Advances</i> , 2021, 7, eabj9608.	10.3	20
24	Electrophysiological Characterization of Photoreceptor-Like Cells in Human Inducible Pluripotent Stem Cell-Derived Retinal Organoids During in Vitro Maturation. <i>Stem Cells</i> , 2021, 39, 959-974.	3.2	14
25	A Brainstem reticulotegmental neural ensemble drives acoustic startle reflexes. <i>Nature Communications</i> , 2021, 12, 6403.	12.8	13
26	Direct control of store-operated calcium channels by ultrafast laser. <i>Cell Research</i> , 2021, 31, 758-772.	12.0	12
27	Identification of early-onset photoreceptor degeneration in transgenic mouse models of Alzheimer's disease. <i>IScience</i> , 2021, 24, 103327.	4.1	11
28	Short- and long-term effects of 3.5â€“23.0 Tesla ultra-high magnetic fields on mice behaviour. <i>European Radiology</i> , 2022, 32, 5596-5605.	4.5	10
29	An unexpected INAD PDZ tandem-mediated $plc\hat{1}^2$ binding in <i>Drosophila</i> photo receptors. <i>ELife</i> , 2018, 7, .	6.0	9
30	Generation of nonhuman primate retinitis pigmentosa model by in situ knockout of RHO in rhesus macaque retina. <i>Science Bulletin</i> , 2021, 66, 374-385.	9.0	7
31	Sodium chloride (NaCl) potentiates digoxin-induced anti-tumor activity in small cell lung cancer. <i>Cancer Biology and Therapy</i> , 2019, 20, 52-64.	3.4	5