

Tian Xue

List of Publications by Year in descending order

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17
papers

1,799
citations

471061

17
h-index

887659

17
g-index

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docs citations

17
times ranked

2156
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Integration of Electrically Active Cardiac Derivatives From Genetically Engineered Human Embryonic Stem Cells With Quiescent Recipient Ventricular Cardiomyocytes. <i>Circulation</i> , 2005, 111, 11-20.	1.6	455
2	Photon capture and signalling by melanopsin retinal ganglion cells. <i>Nature</i> , 2009, 457, 281-287.	13.7	251
3	Mammalian Near-Infrared Image Vision through Injectable and Self-Powered Retinal Nanoantennae. <i>Cell</i> , 2019, 177, 243-255.e15.	13.5	206
4	How vision begins: An odyssey. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9855-9862.	3.3	160
5	Bioartificial Sinus Node Constructed via In Vivo Gene Transfer of an Engineered Pacemaker HCN Channel Reduces the Dependence on Electronic Pacemaker in a Sick-Sinus Syndrome Model. <i>Circulation</i> , 2006, 114, 1000-1011.	1.6	150
6	Electrophysiological Properties of Pluripotent Human and Mouse Embryonic Stem Cells. <i>Stem Cells</i> , 2005, 23, 1526-1534.	1.4	81
7	Dominant-Negative Suppression of HCN1- and HCN2-Encoded Pacemaker Currents by an Engineered HCN1 Construct. <i>Circulation Research</i> , 2002, 90, 1267-1273.	2.0	76
8	Quantal noise from human red cone pigment. <i>Nature Neuroscience</i> , 2008, 11, 565-571.	7.1	67
9	Non-equilibrium behavior of HCN channels: Insights into the role of HCN channels in native and engineered pacemakers. <i>Cardiovascular Research</i> , 2005, 67, 263-273.	1.8	63
10	Human embryonic stem cells: Genetic manipulation on the way to cardiac cell therapies. <i>Reproductive Toxicology</i> , 2005, 20, 377-391.	1.3	55
11	Molecular Basis of the Effect of Potassium on Heterologously Expressed Pacemaker (HCN) Channels. <i>Journal of Physiology</i> , 2003, 547, 349-356.	1.3	43
12	Mechanistic Role of I _f Revealed by Induction of Ventricular Automaticity by Somatic Gene Transfer of Gating-Engineered Pacemaker (HCN) Channels. <i>Circulation</i> , 2007, 115, 1839-1850.	1.6	40
13	Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels in Pancreatic \hat{I}^2 -Cells. <i>Molecular Endocrinology</i> , 2007, 21, 753-764.	3.7	36
14	Identification of a Surface Charged Residue in the S3-S4 Linker of the Pacemaker (HCN) Channel That Influences Activation Gating. <i>Journal of Biological Chemistry</i> , 2003, 278, 13647-13654.	1.6	31
15	Synergistic Signaling by Light and Acetylcholine in Mouse Iris Sphincter Muscle. <i>Current Biology</i> , 2017, 27, 1791-1800.e5.	1.8	29
16	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.	1.6	28
17	A cullin 4B-RING E3 ligase complex fine-tunes pancreatic \hat{I} cell paracrine interactions. <i>Journal of Clinical Investigation</i> , 2017, 127, 2631-2646.	3.9	28