Kelvin Y Kwan

List of Publications by Year
in descending order

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43 papers	4,798 citations	279798 23 h-index	276875 41 g-index
47 all docs	47 docs citations	47 times ranked	5212 citing authors

#	Article	IF	Citations
1	Broad activation of the Parkin pathway induces synaptic mitochondrial deficits in early tauopathy. Brain, 2022, 145, 305-323.	7.6	16
2	Xrn1 is a deNADding enzyme modulating mitochondrial NAD-capped RNA. Nature Communications, 2022, 13, 889.	12.8	15
3	Type-I-interferon signaling drives microglial dysfunction and senescence in human iPSC models of Down syndrome and Alzheimerâ€™s disease. Cell Stem Cell, 2022, 29, 1135-1153.e8.	11.1	45
4	Understanding the differentiation and epigenetics of cochlear sensory progenitors in pursuit of regeneration. Current Opinion in Otolaryngology and Head and Neck Surgery, 2021, 29, 366-372.	1.8	2
5	Human iPSC-derived mature microglia retain their identity and functionally integrate in the chimeric mouse brain. Nature Communications, 2020, 11, 1577.	12.8	108
6	Single-Cell Fluorescence Analysis of Pseudotemporal Ordered Cells Provides Protein Expression Dynamics for Neuronal Differentiation. Frontiers in Cell and Developmental Biology, 2019, 7, 87.	3.7	3
7	Developments in Bio-Inspired Nanomaterials for Therapeutic Delivery to Treat Hearing Loss. Frontiers in Cellular Neuroscience, 2019, 13, 493.	3.7	26
8	Heat shock promotes inclusion body formation of mutant huntingtin (mHtt) and alleviates mHtt-induced transcription factor dysfunction. Journal of Biological Chemistry, 2018, 293, 15581-15593.	3.4	18
9	Single-Cell Transcriptome Analysis of Neural Stem Cells. Current Pharmacology Reports, 2017, 3, 68-76.	3.0	3
10	SNX-1 and RME-8 oppose the assembly of HGRS-1/ESCRT-0 degradative microdomains on endosomes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E307-E316.	7.1	67
11	NEUROG1 Regulates CDK2 to Promote Proliferation in Otic Progenitors. Stem Cell Reports, 2017, 9, 1516-1529.	4.8	27
12	Activation of CHK1 in Supporting Cells Indirectly Promotes Hair Cell Survival. Frontiers in Cellular Neuroscience, 2017, 11, 137.	3.7	16
13	Sensory Neuron-Specific Deletion of TRPA1 Results in Mechanical Cutaneous Sensory Deficits. ENeuro, 2017, 4, ENEURO.0069-16.2017.	1.9	46
14	Transcriptome-wide comparison of the impact of Atoh1 and miR-183 family on pluripotent stem cells and multipotent otic progenitor cells. PLoS ONE, 2017, 12, e0180855.	2.5	15
15	Transcriptional Regulation of Notch1 Expression by Nkx6.1 in Neural Stem/Progenitor Cells during Ventral Spinal Cord Development. Scientific Reports, 2016, 6, 38665.	3.3	18
16	Tryptophanâ€rich basic protein (<scp>WRB</scp>) mediates insertion of the tailâ€anchored protein otoferlin and is required for hair cell exocytosis and hearing. EMBO Journal, 2016, 35, 2536-2552.	7.8	55
17	Single-Cell Transcriptome Analysis of Developing and Regenerating Spiral Ganglion Neurons. Current Pharmacology Reports, 2016, 2, 211-220.	3.0	9
18	Initiating Differentiation in Immortalized Multipotent Otic Progenitor Cells. Journal of Visualized Experiments, 2016, , .	0.3	6

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19	Activation of PI3K signaling prevents aminoglycoside-induced hair cell death in the murine cochlea. Biology Open, 2016, 5, 698-708.	1.2	24
20	Detection of Murine TRPA1 Transcripts in Keratinocytes. Journal of Skin and Stem Cell, 2016, 3, .	0.2	0
21	Detection of Murine TRPA1 Transcripts in Keratinocytes. Journal of Skin and Stem Cell, 2016, In Press, .	0.2	0
22	Induction of Stemâ€Cellâ€Derived Functional Neurons by NanoScriptâ€Based Gene Repression. Angewandte Chemie - International Edition, 2015, 54, 11983-11988.	13.8	18
23	SHIELD: an integrative gene expression database for inner ear research. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav071.	3.0	128
24	C-MYC Transcriptionally Amplifies SOX2 Target Genes to Regulate Self-Renewal in Multipotent Otic Progenitor Cells. Stem Cell Reports, 2015, 4, 47-60.	4.8	75
25	Abstract 5098: GFP compatibility with EdU cell proliferation assay. , 2014, , .		0
26	TRPA1 channels regulate astrocyte resting calcium and inhibitory synapse efficacy through GAT-3. Nature Neuroscience, 2012, 15, 70-80.	14.8	391
27	Lights, camera, surgery: a novel pilot project to engage medical students in the development of pediatric surgical learning resources. Journal of Pediatric Surgery, 2011, 46, 962-965.	1.6	5
28	Burning Cold: Involvement of TRPA1 in Noxious Cold Sensation. Journal of General Physiology, 2009, 133, 251-256.	1.9	64
29	TRPA1 acts as a cold sensor in vitro and in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1273-1278.	7.1	503
30	TRPA1 Modulates Mechanotransduction in Cutaneous Sensory Neurons. Journal of Neuroscience, 2009, 29, 4808-4819.	3.6	280
31	The Ion Channel TRPA1 Is Required for Normal Mechanosensation and Is Modulated by Algesic Stimuli. Gastroenterology, 2009, 137, 2084-2095.e3.	1.3	232
32	50 Novel and Specific Roles for the Ion Channel TRPA1 in Visceral Sensory Transduction. Gastroenterology, 2008, 134, A-8.	1.3	2
33	Defective p53 engagement after the induction of DNA damage in cells deficient in topoisomerase 3Î². Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5063-5068.	7.1	24
34	The Micromachinery of Mechanotransduction in Hair Cells. Annual Review of Neuroscience, 2007, 30, 339-365.	10.7	199
35	Development of autoimmunity in mice lacking DNA topoisomerase 3beta. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9242-9247.	7.1	29
36	An Ion Channel Essential for Sensing Chemical Damage. Journal of Neuroscience, 2007, 27, 11412-11415.	3.6	254

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37	TRPA1 Contributes to Cold, Mechanical, and Chemical Nociception but Is Not Essential for Hair-Cell Transduction. Neuron, 2006, 50, 277-289.	8.1	1,134
38	TRPA1 is a candidate for the mechanosensitive transduction channel of vertebrate hair cells. Nature, 2004, 432, 723-730.	27.8	657
39	Infertility and aneuploidy in mice lacking a type IA DNA topoisomerase IIIÎ². Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2526-2531.	7.1	67
40	Mice lacking DNA topoisomerase IIIÎ² develop to maturity but show a reduced mean lifespan. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5717-5721.	7.1	106
41	Unwinding of theEscherichia coliOrigin of Replication (oriC) Can Occur in the Absence of Initiation Proteins but Is Stabilized by DnaA and Histone-like Proteins IHF or HU. Plasmid, 1998, 39, 77-83.	1.4	13
42	GATC motifs may alter the conformation of DNA depending on sequence context and N6-adenine methylation status: possible implications for DNA-protein recognition. Molecular Genetics and Genomics, 1998, 258, 488-493.	2.4	46
43	Role of architectural elements in combinatorial regulation of initiation of DNA replication in Escherichia coli. Molecular Microbiology, 1997, 26, 261-275.	2.5	47