Elba E Serrano

List of Publications by Year
in descending order

26 papers	325 citations	1039406 9 h-index	887659 17 g-index
28 all docs	28 docs citations	28 times ranked	348 citing authors

#	Article	IF	Citations
1	Neuroethics Guiding Principles for the NIH BRAIN Initiative. Journal of Neuroscience, 2018, 38, 10586-10588.	1.7	61
2	Inner ear formation during the early larval development ofXenopus laevis. Developmental Dynamics, 2005, 234, 791-801.	0.8	41
3	The NIH BRAIN Initiative: Integrating Neuroethics and Neuroscience. Neuron, 2019, 101, 394-398.	3.8	30
4	Effects of chronic phenobarbital exposure on cultured mouse spinal cord neurons. Annals of Neurology, 1988, 24, 429-438.	2.8	28
5	Quantity, bundle types, and distribution of hair cells in the sacculus of Xenopus laevis during development. Hearing Research, 1995, 91, 33-42.	0.9	25
6	Cell proliferation during the early compartmentalization of the Xenopus laevis inner ear. International Journal of Developmental Biology, 2007, 51, 201-210.	0.3	20
7	Morphometric analysis of a triple negative breast cancer cell line in hydrogel and monolayer culture environments. PeerJ, 2018, 6, e4340.	0.9	13
8	Development of theXenopus laevis viiith cranial nerve: Increase in number and area of axons of the saccular and papillar branches. , 1997, 234, 263-276.		12
9	Hydrogel scaffolds promote neural gene expression and structural reorganization in human astrocyte cultures. PeerJ, 2017, 5, e2829.	0.9	12
10	Detection of transcripts for delayed rectifier potassium channels in the Xenopus laevis inner ear. Hearing Research, 1998, 119, 125-134.	0.9	11
11	Probing the Xenopus laevis inner ear transcriptome for biological function. BMC Genomics, 2012, 13, 225.	1.2	11
12	Tissue and Species Differences in the Application of Quantum Dots as Probes for Biomolecular Targets in the Inner Ear and Kidney. IEEE Transactions on Nanobioscience, 2006, 5, 251-262.	2.2	9
13	Post-Translational Tubulin Modifications in Human Astrocyte Cultures. Neurochemical Research, 2017, 42, 2566-2576.	1.6	9
14	Flow cytometric analysis of mammalian glial cultures treated with methotrexate. Glia, 1990, 3, 539-549.	2.5	8
15	Optimization of gene delivery methods in Xenopus laevis kidney (A6) and Chinese hamster ovary (CHO) cell lines for heterologous expression of Xenopus inner ear genes. In Vitro Cellular and Developmental Biology - Animal, 2011, 47, 640-652.	0.7	7
16	RNA-Seq and microarray analysis of the Xenopus inner ear transcriptome discloses orthologous OMIMÂ® genes for hereditary disorders of hearing and balance. BMC Research Notes, 2015, 8, 691.	0.6	7
17	Hydrogel Environment Supports Cell Culture Expansion of a Grade IV Astrocytoma. Neurochemical Research, 2017, 42, 2610-2624.	1.6	5
18	Multiphoton imaging of quantum dot bioconjugates in cultured cells following Nd:YLF laser excitation. , 2005, , .		3

#	Article	IF	Citations
19	Expression analysis of RNA sequencing data from human neural and glial cell lines depends on technical replication and normalization methods. BMC Bioinformatics, 2018, 19, 412.	1.2	3
20	RNA Isolation from Xenopus Inner Ear Sensory Endorgans for Transcriptional Profiling and Molecular Cloning. Methods in Molecular Biology, 2009, 493, 3-20.	0.4	3
21	Imaging heterostructured quantum dots in cultured cells with epifluorescence and transmission electron microscopy. , 2011, 7909, 79090N.		2
22	RNA Sequencing Analysis of Neural Cell Lines: Impact of Normalization and Technical Replication. Lecture Notes in Computer Science, 2017, , 457-468.	1.0	2
23	Strategies for enhanced annotation of a microarray probe set. International Journal of Bioinformatics Research and Applications, 2010, 6, 163.	0.1	1
24	IMPLEMENTING WEB DIGITAL ANNOTATION FOR GLOBAL STEM EDUCATION AND COLLABORATION. , 2016, , .		1
25	Total RNA Isolation from Separately Established Monolayer and Hydrogel Cultures of Human Glioblastoma Cell Line. Bio-protocol, 2019, 9, .	0.2	1
26	RNA Extraction from Xenopus Auditory and Vestibular Organs for Molecular Cloning and Expression Profiling with RNA-Seq and Microarrays. Methods in Molecular Biology, 2016, 1427, 73-92.	0.4	0