

Elba E Serrano

List of Publications by Year in descending order

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26
papers

325
citations

1040056

9
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888059

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. <i>Journal of Neuroscience</i> , 2018, 38, 10586-10588.	3.6	61
2	Inner ear formation during the early larval development of <i>Xenopus laevis</i> . <i>Developmental Dynamics</i> , 2005, 234, 791-801.	1.8	41
3	The NIH BRAIN Initiative: Integrating Neuroethics and Neuroscience. <i>Neuron</i> , 2019, 101, 394-398.	8.1	30
4	Effects of chronic phenobarbital exposure on cultured mouse spinal cord neurons. <i>Annals of Neurology</i> , 1988, 24, 429-438.	5.3	28
5	Quantity, bundle types, and distribution of hair cells in the sacculus of <i>Xenopus laevis</i> during development. <i>Hearing Research</i> , 1995, 91, 33-42.	2.0	25
6	Cell proliferation during the early compartmentalization of the <i>Xenopus laevis</i> inner ear. <i>International Journal of Developmental Biology</i> , 2007, 51, 201-210.	0.6	20
7	Morphometric analysis of a triple negative breast cancer cell line in hydrogel and monolayer culture environments. <i>PeerJ</i> , 2018, 6, e4340.	2.0	13
8	Development of the <i>Xenopus laevis</i> eighth 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. <i>PeerJ</i> , 2017, 5, e2829.	2.0	12
10	Detection of transcripts for delayed rectifier potassium channels in the <i>Xenopus laevis</i> inner ear. <i>Hearing Research</i> , 1998, 119, 125-134.	2.0	11
11	Probing the <i>Xenopus laevis</i> inner ear transcriptome for biological function. <i>BMC Genomics</i> , 2012, 13, 225.	2.8	11
12	Tissue and Species Differences in the Application of Quantum Dots as Probes for Biomolecular Targets in the Inner Ear and Kidney. <i>IEEE Transactions on Nanobioscience</i> , 2006, 5, 251-262.	3.3	9
13	Post-Translational Tubulin Modifications in Human Astrocyte Cultures. <i>Neurochemical Research</i> , 2017, 42, 2566-2576.	3.3	9
14	Flow cytometric analysis of mammalian glial cultures treated with methotrexate. <i>Glia</i> , 1990, 3, 539-549.	4.9	8
15	Optimization of gene delivery methods in <i>Xenopus laevis</i> kidney (A6) and Chinese hamster ovary (CHO) cell lines for heterologous expression of <i>Xenopus</i> inner ear genes. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2011, 47, 640-652.	1.5	7
16	RNA-Seq and microarray analysis of the <i>Xenopus</i> inner ear transcriptome discloses orthologous OMIM [®] genes for hereditary disorders of hearing and balance. <i>BMC Research Notes</i> , 2015, 8, 691.	1.4	7
17	Hydrogel Environment Supports Cell Culture Expansion of a Grade IV Astrocytoma. <i>Neurochemical Research</i> , 2017, 42, 2610-2624.	3.3	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.	2.6	3
20	RNA Isolation from Xenopus Inner Ear Sensory Endorgans for Transcriptional Profiling and Molecular Cloning. Methods in Molecular Biology, 2009, 493, 3-20.	0.9	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.	1.3	2
23	Strategies for enhanced annotation of a microarray probe set. International Journal of Bioinformatics Research and Applications, 2010, 6, 163.	0.2	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, .	0.4	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.	0.9	0