

Marta Roccio

List of Publications by Year in descending order

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27
papers

3,171
citations

471509

17
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

5159
citing authors

#	ARTICLE	IF	CITATIONS
1	Insulin Activation of Rheb, a Mediator of mTOR/S6K/4E-BP Signaling, Is Inhibited by TSC1 and 2. <i>Molecular Cell</i> , 2003, 11, 1457-1466.	9.7	942
2	Amino acids mediate mTOR/raptor signaling through activation of class 3 phosphatidylinositol 3OH-kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14238-14243.	7.1	666
3	Metabolic control of adult neural stem cell activity by Fasn-dependent lipogenesis. <i>Nature</i> , 2013, 493, 226-230.	27.8	448
4	Artificial niche microarrays for probing single stem cell fate in high throughput. <i>Nature Methods</i> , 2011, 8, 949-955.	19.0	376
5	Predicting stem cell fate changes by differential cell cycle progression patterns. <i>Development (Cambridge)</i> , 2013, 140, 459-470.	2.5	128
6	Molecular characterization and prospective isolation of human fetal cochlear hair cell progenitors. <i>Nature Communications</i> , 2018, 9, 4027.	12.8	70
7	Oxidative Stress Decreases G Protein-Coupled Receptor Kinase 2 in Lymphocytes via a Calpain-Dependent Mechanism. <i>Molecular Pharmacology</i> , 2002, 62, 379-388.	2.3	60
8	Inner ear organoids: new tools to understand neurosensory cell development, degeneration and regeneration. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	50
9	Novel insights into inner ear development and regeneration for targeted hearing loss therapies. <i>Hearing Research</i> , 2020, 397, 107859.	2.0	48
10	The Severity of Infection Determines the Localization of Damage and Extent of Sensorineural Hearing Loss in Experimental Pneumococcal Meningitis. <i>Journal of Neuroscience</i> , 2016, 36, 7740-7749.	3.6	43
11	Redox activation of excitatory pathways in auditory neurons as mechanism of age-related hearing loss. <i>Redox Biology</i> , 2020, 30, 101434.	9.0	40
12	NANOClâ€™ Nanotechnology Based Cochlear Implant With Gapless Interface to Auditory Neurons. <i>Otology and Neurotology</i> , 2017, 38, e224-e231.	1.3	38
13	Synthetic 3D PEG-Anisogel Tailored with Fibronectin Fragments Induce Aligned Nerve Extension. <i>Biomacromolecules</i> , 2019, 20, 4075-4087.	5.4	38
14	Generation of Otic Sensory Neurons from Mouse Embryonic Stem Cells in 3D Culture. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 409.	3.7	32
15	Foetal and adult cardiomyocyte progenitor cells have different developmental potential. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 861-870.	3.6	29
16	High-throughput clonal analysis of neural stem cells in microarrayed artificial niches. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 391.	1.3	29
17	Sorting Live Stem Cells Based on Sox2 mRNA Expression. <i>PLoS ONE</i> , 2012, 7, e49874.	2.5	24
18	Response profiles of murine spiral ganglion neurons on multi-electrode arrays. <i>Journal of Neural Engineering</i> , 2016, 13, 016011.	3.5	15

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19	Streptococcus pneumoniae-induced ototoxicity in organ of Corti explant cultures. Hearing Research, 2017, 350, 100-109.	2.0	15
20	Directed differentiation and direct reprogramming: Applying stem cell technologies to hearing research. Stem Cells, 2021, 39, 375-388.	3.2	15
21	Conductive hybrid carbon nanotube (CNT) polythiophene coatings for innovative auditory neuron-multi-electrode array interfacing. RSC Advances, 2016, 6, 41714-41723.	3.6	13
22	Anti-inflammatory and Oto-Protective Effect of the Small Heat Shock Protein Alpha B-Crystallin (HspB5) in Experimental Pneumococcal Meningitis. Frontiers in Neurology, 2019, 10, 570.	2.4	13
23	Fine control of drug delivery for cochlear implant applications. Hearing, Balance and Communication, 2015, 13, 153-159.	0.4	11
24	Optimizing Synthetic miRNA Minigene Architecture for Efficient miRNA Hairpin Concatenation and Multi-target Gene Knockdown. Molecular Therapy - Nucleic Acids, 2019, 14, 351-363.	5.1	11
25	Hair Cell Generation in Cochlear Culture Models Mediated by Novel β -Secretase Inhibitors. Frontiers in Cell and Developmental Biology, 2021, 9, 710159.	3.7	10
26	Spiral Ganglion Neuron Explant Culture and Electrophysiology on Multi Electrode Arrays. Journal of Visualized Experiments, 2016, , .	0.3	4
27	MeV ion beam lithography of biocompatible halogenated Parylenes using aperture masks. Nuclear Instruments & Methods in Physics Research B, 2015, 354, 34-36.	1.4	3