Lara Buscemi

List of Publications by Year
in descending order

24 papers	2,018 citations	394421 19 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	3533 citing authors

#	Article	IF	Citations
1	Microrheology of Human Lung Epithelial Cells Measured by Atomic Force Microscopy. Biophysical Journal, 2003, 84, 2071-2079.	0.5	630
2	The Single-Molecule Mechanics of the Latent TGF-Î²1 Complex. Current Biology, 2011, 21, 2046-2054.	3.9	214
3	The Nano-Scale Mechanical Properties of the Extracellular Matrix Regulate Dermal Fibroblast Function. Journal of Investigative Dermatology, 2014, 134, 1862-1872.	0.7	207
4	Prestress in the extracellular matrix sensitizes latent TGF-Î²1 for activation. Journal of Cell Biology, 2014, 207, 283-297.	5.2	184
5	The covalent attachment of adhesion molecules to silicone membranes for cell stretching applications. Biomaterials, 2009, 30, 1781-1789.	11.4	114
6	A new lock-step mechanism of matrix remodelling based on subcellular contractile events. Journal of Cell Science, 2010, 123, 1751-1760.	2.0	105
7	Human immunodeficiency virus type-1 protein Tat induces tumor necrosis factor-Î±-mediated neurotoxicity. Neurobiology of Disease, 2007, 26, 661-670.	4.4	64
8	A Novel Method of Dynamic Culture Surface Expansion Improves Mesenchymal Stem Cell Proliferation and Phenotype. Stem Cells, 2009, 27, 200-209.	3.2	62
9	Thrombin and histamine induce stiffening of alveolar epithelial cells. Journal of Applied Physiology, 2005, 98, 1567-1574.	2.5	59
10	Spatio-temporal overview of neuroinflammation in an experimental mouse stroke model. Scientific Reports, 2019, 9, 507.	3.3	59
11	SUCLG2 identified as both a determinator of CSF AÎ²1â€“42 levels and an attenuator of cognitive decline in Alzheimer's disease. Human Molecular Genetics, 2014, 23, 6644-6658.	2.9	45
12	Dynamic measurement of the height and volume of migrating cells by a novel fluorescence microscopy technique. Lab on A Chip, 2011, 11, 3855.	6.0	42
13	Involvement of caveolin-1 in neurovascular unit remodeling after stroke: Effects on neovascularization and astrogliosis. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 163-176.	4.3	39
14	Homer1 Scaffold Proteins Govern Ca2+ Dynamics in Normal and Reactive Astrocytes. Cerebral Cortex, 2017, 27, 2365-2384.	2.9	37
15	Oscillatory magnetic tweezers based on ferromagnetic beads and simple coaxial coils. Review of Scientific Instruments, 2003, 74, 4012-4020.	1.3	28
16	Evaluating the potential of hyperpolarised [1-13C] L-lactate as a neuroprotectant metabolic biosensor for stroke. Scientific Reports, 2020, 10, 5507.	3.3	26
17	Static and Dynamic Upper Airway Obstruction in Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 659-663.	5.6	25
18	Caveolin-1 Regulates Perivascular Aquaporin-4 Expression After Cerebral Ischemia. Frontiers in Cell and Developmental Biology, 2020, 8, 371.	3.7	22

#	Article	IF	Citations
19	Non-Invasive Diagnostic Biomarkers for Estimating the Onset Time of Permanent Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1848-1855.	4.3	20
20	Extended preclinical investigation of lactate for neuroprotection after ischemic stroke. Clinical and Translational Neuroscience, 2020, 4, 2514183X2090457.	0.9	15
21	Hydroxycarboxylic Acid Receptor 1 and Neuroprotection in a Mouse Model of Cerebral Ischemia-Reperfusion. Frontiers in Physiology, 2021, 12, 689239.	2.8	7
22	Lactate Neuroprotection against Transient Ischemic Brain Injury in Mice Appears Independent of HCAR1 Activation. Metabolites, 2022, 12, 465.	2.9	7
23	Identification and functional response of interstitial Cajal-like cells from rat mesenteric artery. Cell and Tissue Research, 2011, 343, 509-519.	2.9	5
24	Metabolic fingerprints discriminating severity of acute ischemia using in vivo highâ€field 1 H magnetic resonance spectroscopy. Journal of Neurochemistry, 2020, 152, 252-262.	3.9	2