Antonella Piscioneri

List of Publications by Year
in descending order

44 papers	894 citations	430754 18 h-index	477173 29 g-index
45 all docs	45 docs citations	45 times ranked	878 citing authors

#	Article	IF	Citations
1	Multifunctional membranes for lipidic nanovesicle capture. Separation and Purification Technology, 2022, 298, 121561.	3.9	4
2	PLGA Multiplex Membrane Platform for Disease Modelling and Testing of Therapeutic Compounds. Membranes, 2021, 11, 112.	1.4	5
3	Hollow Fiber and Nanofiber Membranes in Bioartificial Liver and Neuronal Tissue Engineering. Cells Tissues Organs, 2021, , 1-30.	1.3	9
4	Antiâ€neuroinflammatory effect of daidzein in human hypothalamic <scp>GnRH</scp> neurons in an in vitro membraneâ€based model. BioFactors, 2021, 47, 93-111.	2.6	15
5	Membrane bioreactor for investigation of neurodegeneration. Materials Science and Engineering C, 2019, 103, 109793.	3.8	17
6	Membrane bioreactor to guide hepatic differentiation of human mesenchymal stem cells. Journal of Membrane Science, 2018, 564, 832-841.	4.1	8
7	Microtube array membrane bioreactor promotes neuronal differentiation and orientation. Biofabrication, 2017, 9, 025018.	3.7	24
8	Human liver microtissue spheroids in hollow fiber membrane bioreactor. Colloids and Surfaces B: Biointerfaces, 2017, 160, 272-280.	2.5	31
9	New Advanced Biomaterials for Tissue and Organ Regeneration/Repair. Cells Tissues Organs, 2017, 204, 123-124.	1.3	0
10	Neuronal Differentiation Modulated by Polymeric Membrane Properties. Cells Tissues Organs, 2017, 204, 164-178.	1.3	5
11	Application of the Co-culture Membrane System Pointed to a Protective Role of Catestatin on Hippocampal Plus Hypothalamic Neurons Exposed to Oxygen and Glucose Deprivation. Molecular Neurobiology, 2017, 54, 7369-7381.	1.9	3
12	4.12 Membrane Approaches for Liver and Neuronal Tissue Engineering. , 2017, , 248-271.		0
13	Biohybrid Membrane Systems for Testing Molecules and Stem Cell Therapy in Neuronal Tissue Engineering. Current Pharmaceutical Design, 2017, 23, 3858-3870.	0.9	2
14	Neuronal membrane bioreactor as a tool for testing crocin neuroprotective effect in Alzheimerâ€™s disease. Chemical Engineering Journal, 2016, 305, 69-78.	6.6	22
15	Recent Strategies Combining Biomaterials and Stem Cells for Bone, Liver and Skin Regeneration. Current Stem Cell Research and Therapy, 2016, 11, 676-691.	0.6	8
16	Stem Cell. , 2016, , 1822-1826.		0
17	Neuroprotective effect of human mesenchymal stem cells in a compartmentalized neuronal membrane system. Acta Biomaterialia, 2015, 24, 297-308.	4.1	54
18	Neuronal growth and differentiation on biodegradable membranes. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 106-117.	1.3	25

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19	Stem Cell. , 2015, , 1-4.		0
20	Neuroprotective Effect of Didymin on Hydrogen Peroxide-Induced Injury in the Neuronal Membrane System. Cells Tissues Organs, 2014, 199, 184-200.	1.3	46
21	Overstimulation of Glutamate Signals Leads to Hippocampal Transcriptional Plasticity in Hamsters. Cellular and Molecular Neurobiology, 2014, 34, 501-509.	1.7	8
22	Kinetics of oxygen uptake by cells potentially used in a tissue engineered trachea. Biomaterials, 2014, 35, 6829-6837.	5.7	19
23	Membrane Bioreactor for Expansion and Differentiation of Embryonic Liver Cells. Industrial & Engineering Chemistry Research, 2013, 52, 10387-10395.	1.8	26
24	Polycaprolactone-Hydroxyapatite Composite Membrane Scaffolds for Bone Tissue Engineering. Materials Research Society Symposia Proceedings, 2013, 1502, 1.	0.1	6
25	Human lymphocytes cultured in 3-D bioreactors: Influence of configuration on metabolite transport and reactions. Biomaterials, 2012, 33, 8296-8303.	5.7	19
26	Biodegradable Membranes for Neuronal Growth and Differentiation. Procedia Engineering, 2012, 44, 363-366.	1.2	0
27	Flat and tubular membrane systems for the reconstruction of hippocampal neuronal network. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, 299-313.	1.3	23
28	Effect of native and NH3 plasma-functionalized polymeric membranes on the gene expression profiles of primary hepatocytes. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, 486-496.	1.3	2
29	Erythropoietin enhances cell proliferation and survival of human fetal neuronal progenitors in normoxia. Brain Research, 2012, 1452, 18-28.	1.1	9
30	PAN hollow fiber membranes elicit functional hippocampal neuronal network. Journal of Materials Science: Materials in Medicine, 2012, 23, 149-156.	1.7	12
31	Distinct Î± GABAAR subunits influence structural and transcriptional properties of CA1 hippocampal neurons. Neuroscience Letters, 2011, 496, 106-110.	1.0	3
32	Biodegradable and synthetic membranes for the expansion and functional differentiation of rat embryonic liver cells. Acta Biomaterialia, 2011, 7, 171-179.	4.1	41
33	Membrane bioreactors for regenerative medicine: an example of the bioartificial liver. Asia-Pacific Journal of Chemical Engineering, 2010, 5, 146-159.	0.8	12
34	Influence of micro-patterned PLLA membranes on outgrowth and orientation of hippocampal neurites. Biomaterials, 2010, 31, 7000-7011.	5.7	70
35	Membrane Approaches for Liver and Neuronal Tissue Engineering. , 2010, , 229-252.		2
36	Human hepatocyte functions in a crossed hollow fiber membrane bioreactor. Biomaterials, 2009, 30, 2531-2543.	5.7	115

#	Article	IF	Citations
37	Improved functions of human hepatocytes on NH3 plasma-grafted PEEK-WCâ€“PU membranes. Biomaterials, 2009, 30, 4348-4356.	5.7	51
38	H₂/NH₃ Plasmaâ€Grafting of PEEKâ€WCâ€PU Membrane to Improve their cytoâ€Compatibility with Hepatocytes. Plasma Processes and Polymers, 2009, 6, S81.	1.6	5
39	Rat embryonic liver cell expansion and differentiation on NH3 plasma-grafted PEEK-WC-PU membranes. Biomaterials, 2009, 30, 6514-6521.	5.7	31
40	Influence of membrane surface properties on the growth of neuronal cells isolated from hippocampus. Journal of Membrane Science, 2008, 325, 139-149.	4.1	81
41	Human lymphocyte PEEK-WC hollow fiber membrane bioreactor. Journal of Biotechnology, 2007, 132, 65-74.	1.9	35
42	Novel membranes and surface modification able to activate specific cellular responses. New Biotechnology, 2007, 24, 23-26.	2.7	40
43	Human lymphocyte hollow fiber bioreactor. Desalination, 2006, 199, 141-143.	4.0	2
44	Novel bioactive polymeric membranes to elicit specific human hepatocyte responses. Desalination, 2006, 199, 261-262.	4.0	1