

Antonella Piscioneri

List of Publications by Year in descending order

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papers

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430754

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45
all docs

45
docs citations

45
times ranked

878
citing authors

#	ARTICLE	IF	CITATIONS
1	Human hepatocyte functions in a crossed hollow fiber membrane bioreactor. <i>Biomaterials</i> , 2009, 30, 2531-2543.	5.7	115
2	Influence of membrane surface properties on the growth of neuronal cells isolated from hippocampus. <i>Journal of Membrane Science</i> , 2008, 325, 139-149.	4.1	81
3	Influence of micro-patterned PLLA membranes on outgrowth and orientation of hippocampal neurites. <i>Biomaterials</i> , 2010, 31, 7000-7011.	5.7	70
4	Neuroprotective effect of human mesenchymal stem cells in a compartmentalized neuronal membrane system. <i>Acta Biomaterialia</i> , 2015, 24, 297-308.	4.1	54
5	Improved functions of human hepatocytes on NH ₃ plasma-grafted PEEK-WC-PU membranes. <i>Biomaterials</i> , 2009, 30, 4348-4356.	5.7	51
6	Neuroprotective Effect of Didymin on Hydrogen Peroxide-Induced Injury in the Neuronal Membrane System. <i>Cells Tissues Organs</i> , 2014, 199, 184-200.	1.3	46
7	Biodegradable and synthetic membranes for the expansion and functional differentiation of rat embryonic liver cells. <i>Acta Biomaterialia</i> , 2011, 7, 171-179.	4.1	41
8	Novel membranes and surface modification able to activate specific cellular responses. <i>New Biotechnology</i> , 2007, 24, 23-26.	2.7	40
9	Human lymphocyte PEEK-WC hollow fiber membrane bioreactor. <i>Journal of Biotechnology</i> , 2007, 132, 65-74.	1.9	35
10	Rat embryonic liver cell expansion and differentiation on NH ₃ plasma-grafted PEEK-WC-PU membranes. <i>Biomaterials</i> , 2009, 30, 6514-6521.	5.7	31
11	Human liver microtissue spheroids in hollow fiber membrane bioreactor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 272-280.	2.5	31
12	Membrane Bioreactor for Expansion and Differentiation of Embryonic Liver Cells. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10387-10395.	1.8	26
13	Neuronal growth and differentiation on biodegradable membranes. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 106-117.	1.3	25
14	Microtube array membrane bioreactor promotes neuronal differentiation and orientation. <i>Biofabrication</i> , 2017, 9, 025018.	3.7	24
15	Flat and tubular membrane systems for the reconstruction of hippocampal neuronal network. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, 299-313.	1.3	23
16	Neuronal membrane bioreactor as a tool for testing crocin neuroprotective effect in Alzheimer's disease. <i>Chemical Engineering Journal</i> , 2016, 305, 69-78.	6.6	22
17	Human lymphocytes cultured in 3-D bioreactors: Influence of configuration on metabolite transport and reactions. <i>Biomaterials</i> , 2012, 33, 8296-8303.	5.7	19
18	Kinetics of oxygen uptake by cells potentially used in a tissue engineered trachea. <i>Biomaterials</i> , 2014, 35, 6829-6837.	5.7	19

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19	Membrane bioreactor for investigation of neurodegeneration. <i>Materials Science and Engineering C</i> , 2019, 103, 109793.	3.8	17
20	Anti-neuroinflammatory effect of daidzein in human hypothalamic GnRH neurons in an in vitro membrane-based model. <i>BioFactors</i> , 2021, 47, 93-111.	2.6	15
21	Membrane bioreactors for regenerative medicine: an example of the bioartificial liver. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2010, 5, 146-159.	0.8	12
22	PAN hollow fiber membranes elicit functional hippocampal neuronal network. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 149-156.	1.7	12
23	Erythropoietin enhances cell proliferation and survival of human fetal neuronal progenitors in normoxia. <i>Brain Research</i> , 2012, 1452, 18-28.	1.1	9
24	Hollow Fiber and Nanofiber Membranes in Bioartificial Liver and Neuronal Tissue Engineering. <i>Cells Tissues Organs</i> , 2021, , 1-30.	1.3	9
25	Overstimulation of Glutamate Signals Leads to Hippocampal Transcriptional Plasticity in Hamsters. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 501-509.	1.7	8
26	Membrane bioreactor to guide hepatic differentiation of human mesenchymal stem cells. <i>Journal of Membrane Science</i> , 2018, 564, 832-841.	4.1	8
27	Recent Strategies Combining Biomaterials and Stem Cells for Bone, Liver and Skin Regeneration. <i>Current Stem Cell Research and Therapy</i> , 2016, 11, 676-691.	0.6	8
28	Polycaprolactone-Hydroxyapatite Composite Membrane Scaffolds for Bone Tissue Engineering. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1502, 1.	0.1	6
29	H ₂ /NH ₃ Plasma Grafting of PEEK/WC/PU Membrane to Improve their cyto-compatibility with Hepatocytes. <i>Plasma Processes and Polymers</i> , 2009, 6, S81.	1.6	5
30	Neuronal Differentiation Modulated by Polymeric Membrane Properties. <i>Cells Tissues Organs</i> , 2017, 204, 164-178.	1.3	5
31	PLGA Multiplex Membrane Platform for Disease Modelling and Testing of Therapeutic Compounds. <i>Membranes</i> , 2021, 11, 112.	1.4	5
32	Multifunctional membranes for lipidic nanovesicle capture. <i>Separation and Purification Technology</i> , 2022, 298, 121561.	3.9	4
33	Distinct α GABAAR subunits influence structural and transcriptional properties of CA1 hippocampal neurons. <i>Neuroscience Letters</i> , 2011, 496, 106-110.	1.0	3
34	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. <i>Molecular Neurobiology</i> , 2017, 54, 7369-7381.	1.9	3
35	Human lymphocyte hollow fiber bioreactor. <i>Desalination</i> , 2006, 199, 141-143.	4.0	2
36	Membrane Approaches for Liver and Neuronal Tissue Engineering. , 2010, , 229-252.		2

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37	Effect of native and NH3 plasma-functionalized polymeric membranes on the gene expression profiles of primary hepatocytes. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, 486-496.	1.3	2
38	Biohybrid Membrane Systems for Testing Molecules and Stem Cell Therapy in Neuronal Tissue Engineering. <i>Current Pharmaceutical Design</i> , 2017, 23, 3858-3870.	0.9	2
39	Novel bioactive polymeric membranes to elicit specific human hepatocyte responses. <i>Desalination</i> , 2006, 199, 261-262.	4.0	1
40	Biodegradable Membranes for Neuronal Growth and Differentiation. <i>Procedia Engineering</i> , 2012, 44, 363-366.	1.2	0
41	New Advanced Biomaterials for Tissue and Organ Regeneration/Repair. <i>Cells Tissues Organs</i> , 2017, 204, 123-124.	1.3	0
42	4.12 Membrane Approaches for Liver and Neuronal Tissue Engineering. , 2017, , 248-271.		0
43	Stem Cell. , 2015, , 1-4.		0
44	Stem Cell. , 2016, , 1822-1826.		0