

Sergey Rodin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

1,787
citations

18
h-index

36
g-index

36
ext. papers

2,128
ext. citations

8.1
avg, IF

4.53
L-index

#	Paper	IF	Citations
35	Long-term self-renewal of human pluripotent stem cells on human recombinant laminin-511. <i>Nature Biotechnology</i> , 2010 , 28, 611-5	44.5	423
34	Functional diversity of laminins. <i>Annual Review of Cell and Developmental Biology</i> , 2012 , 28, 523-53	12.6	232
33	Clonal culturing of human embryonic stem cells on laminin-521/E-cadherin matrix in defined and xeno-free environment. <i>Nature Communications</i> , 2014 , 5, 3195	17.4	183
32	Laminin-511 but not -332, -111, or -411 enables mouse embryonic stem cell self-renewal in vitro. <i>Stem Cells</i> , 2008 , 26, 2800-9	5.8	126
31	Endothelial basement membrane limits tip cell formation by inducing DLL4/Notch signalling in vivo. <i>EMBO Reports</i> , 2011 , 12, 1135-43	6.5	109
30	Physical, Spatial, and Molecular Aspects of Extracellular Matrix of In Vivo Niches and Artificial Scaffolds Relevant to Stem Cells Research. <i>Stem Cells International</i> , 2015 , 2015, 167025	5	94
29	In Vivo Effects of Mesenchymal Stromal Cells in Two Patients With Severe Acute Respiratory Distress Syndrome. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 1199-213	6.9	90
28	Monolayer culturing and cloning of human pluripotent stem cells on laminin-521-based matrices under xeno-free and chemically defined conditions. <i>Nature Protocols</i> , 2014 , 9, 2354-68	18.8	79
27	Novel chitin scaffolds derived from marine sponge <i>Ianthella basta</i> for tissue engineering approaches based on human mesenchymal stromal cells: Biocompatibility and cryopreservation. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1955-1965	7.9	60
26	The safety of human pluripotent stem cells in clinical treatment. <i>Annals of Medicine</i> , 2015 , 47, 370-80	1.5	57
25	3D chitinous scaffolds derived from cultivated marine demosponge <i>Aplysina aerophoba</i> for tissue engineering approaches based on human mesenchymal stromal cells. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1966-1974	7.9	49
24	Melanoma cells produce multiple laminin isoforms and strongly migrate on β laminin(s) via several integrin receptors. <i>Experimental Cell Research</i> , 2011 , 317, 1119-33	4.2	42
23	Laminins and cancer stem cells: Partners in crime?. <i>Seminars in Cancer Biology</i> , 2017 , 45, 3-12	12.7	38
22	Enteric short-chain fatty acids promote proliferation of human neural progenitor cells. <i>Journal of Neurochemistry</i> , 2020 , 154, 635-646	6	26
21	Clonal chromosomal and genomic instability during human multipotent mesenchymal stromal cells long-term culture. <i>PLoS ONE</i> , 2018 , 13, e0192445	3.7	21
20	Selectin-independent adhesion during ovarian cancer metastasis. <i>Biochimie</i> , 2017 , 142, 197-206	4.6	19
19	Human embryonic stem cells. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2016 , 31, 2-12	4.6	18

18	Cumulative prognostic power of laminin genes in colorectal cancer. <i>BMC Medical Genomics</i> , 2018 , 11, 9	3.7	18
17	Wnt/ECatenin Stimulation and Laminins Support Cardiovascular Cell Progenitor Expansion from Human Fetal Cardiac Mesenchymal Stromal Cells. <i>Stem Cell Reports</i> , 2016 , 6, 607-617	8	18
16	Culturing functional pancreatic islets on β -laminins and curative transplantation to diabetic mice. <i>Matrix Biology</i> , 2018 , 70, 5-19	11.4	16
15	System-wide identification and prioritization of enzyme substrates by thermal analysis. <i>Nature Communications</i> , 2021 , 12, 1296	17.4	16
14	Concise review: animal substance-free human embryonic stem cells aiming at clinical applications. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 1269-74	6.9	14
13	Mast cell-derived serotonin enhances methacholine-induced airway hyperresponsiveness in house dust mite-induced experimental asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 2057-2069	9.3	7
12	Knockdown of the β laminin chain affects differentiation of colorectal cancer cells and their sensitivity to chemotherapy. <i>Biochimie</i> , 2020 , 174, 107-116	4.6	6
11	Isotopic resonance at 370 ppm deuterium negatively affects kinetics of luciferin oxidation by luciferase. <i>Scientific Reports</i> , 2018 , 8, 16249	4.9	6
10	Five-Year Follow-up after Mesenchymal Stromal Cell-based Treatment of Severe Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 1051-1055	10.2	5
9	Human Fetal Cardiac Mesenchymal Stromal Cells Differentiate In Vivo into Endothelial Cells and Contribute to Vasculogenesis in Immunocompetent Mice. <i>Stem Cells and Development</i> , 2019 , 28, 310-318	4.4	5
8	Repeatable, Inducible Micro-RNA-Based Technology Tightly Controls Liver Transgene Expression. <i>Molecular Therapy - Nucleic Acids</i> , 2014 , 3, e172	10.7	3
7	An integrative proteomics method identifies a regulator of translation during stem cell maintenance and differentiation. <i>Nature Communications</i> , 2021 , 12, 6558	17.4	3
6	Derivation of Human Skin Fibroblast Lines for Feeder Cells of Human Embryonic Stem Cells. <i>Current Protocols in Stem Cell Biology</i> , 2016 , 36, 1C.7.1-1C.7.11	2.8	3
5	Diversity of respiratory parameters and metabolic adaptation to low oxygen tension in mesenchymal stromal cells. <i>Metabolism Open</i> , 2022 , 13, 100167	2.8	0
4	Characterization of Laminins in Healthy Human Aortic Valves and a Modified Decellularized Rat Scaffold. <i>BioResearch Open Access</i> , 2020 , 9, 269-278	2.4	0
3	Aberrant interactions between amyloid-beta and alpha5 laminins as possible driver of neuronal dysfunction in Alzheimer's disease. <i>Biochimie</i> , 2020 , 174, 44-48	4.6	0
2	Biologically Relevant Laminins in Regenerative Medicine. <i>Pancreatic Islet Biology</i> , 2018 , 59-82	0.4	
1	Spatiotemporal extracellular matrix modeling for in situ cell niche studies. <i>Stem Cells</i> , 2021 , 39, 1751-1765	5.8	

