Sergey Rodin

List of Publications by Year in Descending Order

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	Diversity of respiratory parameters and metabolic adaptation to low oxygen tension in mesenchymal stromal cells.. *Metabolism Open*, **2022**, 13, 100167	2.8	0
34	Spatiotemporal extracellular matrix modeling for in situ cell niche studies. *Stem Cells*, **2021**, 39, 1751-1765	5.8	
33	An integrative proteomics method identifies a regulator of translation during stem cell maintenance and differentiation. *Nature Communications*, **2021**, 12, 6558	17.4	3
32	Mast cell-derived serotonin enhances methacholine-induced airway hyperresponsiveness in house dust mite-induced experimental asthma. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 2057-2069	9.3	7
31	System-wide identification and prioritization of enzyme substrates by thermal analysis. *Nature Communications*, **2021**, 12, 1296	17.4	16
30	Five-Year Follow-up after Mesenchymal Stromal Cell-based Treatment of Severe Acute Respiratory Distress Syndrome. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 202, 1051-1055	10.2	5
29	Knockdown of the 5 laminin chain affects differentiation of colorectal cancer cells and their sensitivity to chemotherapy. *Biochimie*, **2020**, 174, 107-116	4.6	6
28	Characterization of Laminins in Healthy Human Aortic Valves and a Modified Decellularized Rat Scaffold. *BioResearch Open Access*, **2020**, 9, 269-278	2.4	0
27	Enteric short-chain fatty acids promote proliferation of human neural progenitor cells. *Journal of Neurochemistry*, **2020**, 154, 635-646	6	26
26	Aberrant interactions between amyloid-beta and alpha5 laminins as possible driver of neuronal disfunction in Alzheimer's disease. *Biochimie*, **2020**, 174, 44-48	4.6	0
25	Human Fetal Cardiac Mesenchymal Stromal Cells Differentiate In Vivo into Endothelial Cells and Contribute to Vasculogenesis in Immunocompetent Mice. *Stem Cells and Development*, **2019**, 28, 310-318	4.4	5
24	Biologically Relevant Laminins in Regenerative Medicine. *Pancreatic Islet Biology*, **2018**, 59-82	0.4	
23	Culturing functional pancreatic islets on 5-laminins and curative transplantation to diabetic mice. *Matrix Biology*, **2018**, 70, 5-19	11.4	16
22	Cumulative prognostic power of laminin genes in colorectal cancer. *BMC Medical Genomics*, **2018**, 11, 9	3.7	18
21	Clonal chromosomal and genomic instability during human multipotent mesenchymal stromal cells long-term culture. *PLoS ONE*, **2018**, 13, e0192445	3.7	21
20	Isotopic resonance at 370 ppm deuterium negatively affects kinetics of luciferin oxidation by luciferase. *Scientific Reports*, **2018**, 8, 16249	4.9	6
19	Novel chitin scaffolds derived from marine sponge Ianthella basta for tissue engineering approaches based on human mesenchymal stromal cells: Biocompatibility and cryopreservation. *International Journal of Biological Macromolecules*, **2017**, 104, 1955-1965	7.9	60

18	3D chitinous scaffolds derived from cultivated marine demosponge Aplysina aerophoba for tissue engineering approaches based on human mesenchymal stromal cells. *International Journal of Biological Macromolecules*, **2017**, 104, 1966-1974	7.9	49
17	Selectin-independent adhesion during ovarian cancer metastasis. *Biochimie*, **2017**, 142, 197-206	4.6	19
16	Laminins and cancer stem cells: Partners in crime?. *Seminars in Cancer Biology*, **2017**, 45, 3-12	12.7	38
15	Human embryonic stem cells. *Best Practice and Research in Clinical Obstetrics and Gynaecology*, **2016**, 31, 2-12	4.6	18
14	Wnt/ECatenin Stimulation and Laminins Support Cardiovascular Cell Progenitor Expansion from Human Fetal Cardiac Mesenchymal Stromal Cells. *Stem Cell Reports*, **2016**, 6, 607-617	8	18
13	Derivation of Human Skin Fibroblast Lines for Feeder Cells of Human Embryonic Stem Cells. *Current Protocols in Stem Cell Biology*, **2016**, 36, 1C.7.1-1C.7.11	2.8	3
12	The safety of human pluripotent stem cells in clinical treatment. *Annals of Medicine*, **2015**, 47, 370-80	1.5	57
11	In Vivo Effects of Mesenchymal Stromal Cells in Two Patients With Severe Acute Respiratory Distress Syndrome. *Stem Cells Translational Medicine*, **2015**, 4, 1199-213	6.9	90
10	Physical, Spatial, and Molecular Aspects of Extracellular Matrix of In Vivo Niches and Artificial Scaffolds Relevant to Stem Cells Research. *Stem Cells International*, **2015**, 2015, 167025	5	94
9	Concise review: animal substance-free human embryonic stem cells aiming at clinical applications. *Stem Cells Translational Medicine*, **2014**, 3, 1269-74	6.9	14
8	Monolayer culturing and cloning of human pluripotent stem cells on laminin-521-based matrices under xeno-free and chemically defined conditions. *Nature Protocols*, **2014**, 9, 2354-68	18.8	79
7	Clonal culturing of human embryonic stem cells on laminin-521/E-cadherin matrix in defined and xeno-free environment. *Nature Communications*, **2014**, 5, 3195	17.4	183
6	Repeatable, Inducible Micro-RNA-Based Technology Tightly Controls Liver Transgene Expression. *Molecular Therapy - Nucleic Acids*, **2014**, 3, e172	10.7	3
5	Functional diversity of laminins. *Annual Review of Cell and Developmental Biology*, **2012**, 28, 523-53	12.6	232
4	Melanoma cells produce multiple laminin isoforms and strongly migrate on 5 laminin(s) via several integrin receptors. *Experimental Cell Research*, **2011**, 317, 1119-33	4.2	42
3	Endothelial basement membrane limits tip cell formation by inducing Dll4/Notch signalling in vivo. *EMBO Reports*, **2011**, 12, 1135-43	6.5	109
2	Long-term self-renewal of human pluripotent stem cells on human recombinant laminin-511. *Nature Biotechnology*, **2010**, 28, 611-5	44.5	423
1	Laminin-511 but not -332, -111, or -411 enables mouse embryonic stem cell self-renewal in vitro. *Stem Cells*, **2008**, 26, 2800-9	5.8	126