

Annelies Bronckaers

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,540
citations

218381

26
h-index

223531

46
g-index

58
all docs

58
docs citations

58
times ranked

3842
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesenchymal stem/stromal cells as a pharmacological and therapeutic approach to accelerate angiogenesis. , 2014, 143, 181-196.		271
2	Effect of isolation methodology on stem cell properties and multilineage differentiation potential of human dental pulp stem cells. Cell and Tissue Research, 2013, 353, 65-78.	1.5	186
3	The dual role of thymidine phosphorylase in cancer development and chemotherapy. Medicinal Research Reviews, 2009, 29, 903-953.	5.0	166
4	Angiogenic Properties of Human Dental Pulp Stem Cells. PLoS ONE, 2013, 8, e71104.	1.1	163
5	Human dental pulp stem cells can differentiate into Schwann cells and promote and guide neurite outgrowth in an aligned tissue-engineered collagen construct<i>in vitro</i>. FASEB Journal, 2014, 28, 1634-1643.	0.2	162
6	Neurogenic Maturation of Human Dental Pulp Stem Cells Following Neurosphere Generation Induces Morphological and Electrophysiological Characteristics of Functional Neurons. Stem Cells and Development, 2015, 24, 296-311.	1.1	112
7	Pro-angiogenic impact of dental stem cells in vitro and in vivo. Stem Cell Research, 2014, 12, 778-790.	0.3	104
8	Dental stem cells and their promising role in neural regeneration: an update. Clinical Oral Investigations, 2013, 17, 1969-1983.	1.4	87
9	The Angiogenic Potential of DPSCs and SCAPs in an <i>In Vivo</i> Model of Dental Pulp Regeneration. Stem Cells International, 2017, 2017, 1-14.	1.2	74
10	Adult Neurogenesis in the Subventricular Zone and Its Regulation After Ischemic Stroke: Implications for Therapeutic Approaches. Translational Stroke Research, 2020, 11, 60-79.	2.3	73
11	Expression Pattern of Basal Markers in Human Dental Pulp Stem Cells and Tissue. Cells Tissues Organs, 2012, 196, 490-500.	1.3	71
12	Targeting platelet-derived endothelial cell growth factor/thymidine phosphorylase for cancer therapy. Biochemical Pharmacology, 2007, 74, 1555-1567.	2.0	69
13	Stem Cell-Based Therapies for Ischemic Stroke: Preclinical Results and the Potential of Imaging-Assisted Evaluation of Donor Cell Fate and Mechanisms of Brain Regeneration. Medicinal Research Reviews, 2016, 36, 1080-1126.	5.0	66
14	Dental Pulp Stem Cells: Their Potential in Reinnervation and Angiogenesis by Using Scaffolds. Journal of Endodontics, 2017, 43, S12-S16.	1.4	64
15	Stem Cells for Cartilage Repair: Preclinical Studies and Insights in Translational Animal Models and Outcome Measures. Stem Cells International, 2018, 2018, 1-22.	1.2	62
16	The cytostatic activity of pyrimidine nucleosides is strongly modulated by Mycoplasma hyorhinis infection: Implications for cancer therapy. Biochemical Pharmacology, 2008, 76, 188-197.	2.0	54
17	Angiogenic Effects of Human Dental Pulp and Bone Marrow-Derived Mesenchymal Stromal Cells and their Extracellular Vesicles. Cells, 2020, 9, 312.	1.8	54
18	Angiogenic Properties of â€˜Leukocyte- and Platelet-Rich Fibrinâ€™™. Scientific Reports, 2018, 8, 14632.	1.6	43

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19	Chorioallantoic Membrane Assay as Model for Angiogenesis in Tissue Engineering: Focus on Stem Cells. <i>Tissue Engineering - Part B: Reviews</i> , 2020, 26, 519-539.	2.5	43
20	The COOH-Terminal Peptide of Platelet Factor-4 Variant (CXCL4L1/PF-4var47-70) Strongly Inhibits Angiogenesis and Suppresses B16 Melanoma Growth <i>in vivo</i> . <i>Molecular Cancer Research</i> , 2010, 8, 322-334.	1.5	41
21	The Neurovascular Properties of Dental Stem Cells and Their Importance in Dental Tissue Engineering. <i>Stem Cells International</i> , 2016, 2016, 1-17.	1.2	40
22	Structural basis for non-competitive product inhibition in human thymidine phosphorylase: implications for drug design. <i>Biochemical Journal</i> , 2006, 399, 199-204.	1.7	38
23	Magnetic Resonance Imaging of Human Dental Pulp Stem Cells <i>in Vitro</i> and <i>in Vivo</i> . <i>Cell Transplantation</i> , 2013, 22, 1813-1829.	1.2	38
24	Dental Stem Cells in Pulp Regeneration: Near Future or Long Road Ahead?. <i>Stem Cells and Development</i> , 2015, 24, 1610-1622.	1.1	33
25	Cross-linking versus RAGE: How do high molecular weight advanced glycation products induce cardiac dysfunction?. <i>International Journal of Cardiology</i> , 2016, 210, 100-108.	0.8	32
26	5'-O-Tritylated Nucleoside Derivatives: Inhibition of Thymidine Phosphorylase and Angiogenesis. <i>Molecular Pharmacology</i> , 2006, 70, 501-509.	1.0	30
27	Improvement of purine and pyrimidine antimetabolite-based anticancer treatment by selective suppression of mycoplasma-encoded catabolic enzymes. <i>Lancet Oncology</i> , The, 2009, 10, 628-635.	5.1	28
28	Paracrine Maturation and Migration of SH-SY5Y Cells by Dental Pulp Stem Cells. <i>Journal of Dental Research</i> , 2017, 96, 654-662.	2.5	27
29	Therapeutic Potential of Dental Pulp Stem Cells and Leukocyte- and Platelet-Rich Fibrin for Osteoarthritis. <i>Cells</i> , 2020, 9, 980.	1.8	26
30	Cryopreservation and Banking of Dental Stem Cells. <i>Advances in Experimental Medicine and Biology</i> , 2016, 951, 199-235.	0.8	25
31	Eicosanoids mediate the laminarin-induced nodulation response in larvae of the flesh fly, <i>Neobellieria bullata</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2005, 59, 32-41.	0.6	24
32	Combining stem cells in myocardial infarction: The road to superior repair?. <i>Medicinal Research Reviews</i> , 2022, 42, 343-373.	5.0	23
33	The Thymidine Phosphorylase Inhibitor 5'-O-Tritylinosine (KIN59) Is an Antiangiogenic Multitarget Fibroblast Growth Factor-2 Antagonist. <i>Molecular Cancer Therapeutics</i> , 2012, 11, 817-829.	1.9	21
34	Cardiac atrial appendage stem cells promote angiogenesis <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 97, 235-244.	0.9	20
35	<i>In vivo</i> evidence for long-term vascular remodeling resulting from chronic cerebral hypoperfusion in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 726-739.	2.4	20
36	Neuroinflammatory signals enhance the immunomodulatory and neuroprotective properties of multipotent adult progenitor cells. <i>Stem Cell Research and Therapy</i> , 2015, 6, 176.	2.4	19

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37	Angiogenic Capacity of Periodontal Ligament Stem Cells Pretreated with Deferoxamine and/or Fibroblast Growth Factor-2. PLoS ONE, 2016, 11, e0167807.	1.1	18
38	The β_2 -Adrenoceptor Agonist Terbutaline Stimulates Angiogenesis via Akt and ERK Signaling. Journal of Cellular Physiology, 2017, 232, 298-308.	2.0	13
39	Organoids from human tooth showing epithelial stemness phenotype and differentiation potential. Cellular and Molecular Life Sciences, 2022, 79, 153.	2.4	12
40	Glycolaldehyde-modified proteins cause adverse functional and structural aortic remodeling leading to cardiac pressure overload. Scientific Reports, 2020, 10, 12220.	1.6	10
41	The Impact of Advanced Glycation End-Products (AGEs) on Proliferation and Apoptosis of Primary Stem Cells: A Systematic Review. Stem Cells International, 2020, 2020, 1-13.	1.2	10
42	Dental Tissue and Stem Cells Revisited: New Insights From the Expression of Fibroblast Activation Protein-Alpha. Frontiers in Cell and Developmental Biology, 2019, 7, 389.	1.8	10
43	Non-invasive brain stimulation as therapeutic approach for ischemic stroke: Insights into the (sub)cellular mechanisms. , 2022, 235, 108160.		10
44	Non-pulsed Sinusoidal Electromagnetic Field Rescues Animals From Severe Ischemic Stroke via NO Activation. Frontiers in Neuroscience, 2019, 13, 561.	1.4	9
45	Preconditioning of Human Dental Pulp Stem Cells with Leukocyte- and Platelet-Rich Fibrin-Derived Factors Does Not Enhance Their Neuroregenerative Effect. Stem Cells International, 2019, 2019, 1-15.	1.2	9
46	Chlorite oxidized oxyamylose differentially influences the microstructure of fibrin and self assembling peptide hydrogels as well as dental pulp stem cell behavior. Scientific Reports, 2021, 11, 5687.	1.6	8
47	In Vivo Micro-Computerized Tomography Tracking of Human Periodontal Ligament Stem Cells Labeled with Gold Nanocomplexes. Advanced Healthcare Materials, 2022, 11, e2101133.	3.9	5
48	Safety and Homing of Human Dental Pulp Stromal Cells in Head and Neck Cancer. Stem Cell Reviews and Reports, 2021, 17, 1619-1634.	1.7	4
49	Combinational Therapy of Cardiac Atrial Appendage Stem Cells and Pyridoxamine: The Road to Cardiac Repair?. International Journal of Molecular Sciences, 2021, 22, 9266.	1.8	4
50	Advanced Glycation End Products Impair Cardiac Atrial Appendage Stem Cells Properties. Journal of Clinical Medicine, 2021, 10, 2964.	1.0	3
51	By the Skin of Your Teeth: A Subcutaneous Mouse Model to Study Pulp Regeneration. Methods in Molecular Biology, 2021, 2206, 223-232.	0.4	2
52	Current and Future Views on Pulpal Angiogenesis. , 2019, , 37-53.		1
53	Dental Stem Cells: Their Potential in Neurogenesis and Angiogenesis. Pancreatic Islet Biology, 2016, , 217-241.	0.1	0
54	Interdisciplinary Advances Towards Understanding and Enhancing the Therapeutic Potential of Stem Cell-Based Therapies for Ischaemic Stroke. Springer Series in Translational Stroke Research, 2018, , 21-45.	0.1	0

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55	Unravelling the (sub)cellular mechanisms of low frequency electromagnetic stimulation as ischemic stroke therapy. <i>Frontiers in Neuroscience</i> , 0, 12, .	1.4	0