

Jan E Brinchmann

List of Publications by Year in descending order

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61
papers

4,563
citations

159585

30
h-index

123424

61
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64
all docs

64
docs citations

64
times ranked

6870
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracoronary Injection of Mononuclear Bone Marrow Cells in Acute Myocardial Infarction. <i>New England Journal of Medicine</i> , 2006, 355, 1199-1209.	27.0	1,220
2	In Vitro Expansion of Human Mesenchymal Stem Cells: Choice of Serum Is a Determinant of Cell Proliferation, Differentiation, Gene Expression, and Transcriptome Stability. <i>Stem Cells</i> , 2005, 23, 1357-1366.	3.2	429
3	Isolation and Transcription Profiling of Purified Uncultured Human Stromal Stem Cells: Alteration of Gene Expression after In Vitro Cell Culture. <i>Molecular Biology of the Cell</i> , 2005, 16, 1131-1141.	2.1	317
4	Therapeutic vaccination against autologous cancer stem cells with mRNA-transfected dendritic cells in patients with glioblastoma. <i>Cancer Immunology, Immunotherapy</i> , 2013, 62, 1499-1509.	4.2	236
5	3D bioprinting of BM-MSCs-loaded ECM biomimetic hydrogels for <i>in vitro</i> neocartilage formation. <i>Biofabrication</i> , 2016, 8, 035002.	7.1	211
6	Genetic and epigenetic instability of human bone marrow mesenchymal stem cells expanded in autologous serum or fetal bovine serum. <i>International Journal of Developmental Biology</i> , 2008, 52, 1033-1042.	0.6	154
7	Mesenchymal stem cell-based therapy for cartilage repair: a review. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009, 17, 1289-1297.	4.2	150
8	microRNA-140 Targets <i>RALA</i> and Regulates Chondrogenic Differentiation of Human Mesenchymal Stem Cells by Translational Enhancement of <i>SOX9</i> and <i>ACAN</i> . <i>Stem Cells and Development</i> , 2014, 23, 290-304.	2.1	109
9	Isolation of Stromal Stem Cells From Human Adipose Tissue. , 2006, 325, 35-46.		92
10	Intracoronary autologous bone marrow cell transfer after myocardial infarction: the BOOST-2 randomised placebo-controlled clinical trial. <i>European Heart Journal</i> , 2017, 38, 2936-2943.	2.2	91
11	Chondrogenesis in a hyaluronic acid scaffold: comparison between chondrocytes and MSC from bone marrow and adipose tissue. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2010, 18, 1407-1416.	4.2	86
12	Intramyocardial Injections of Human Mesenchymal Stem Cells following Acute Myocardial Infarction Modulate Scar Formation and Improve Left Ventricular Function. <i>Cell Transplantation</i> , 2012, 21, 1697-1709.	2.5	79
13	Chondrogenic Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells in Self-Gelling Alginate Discs Reveals Novel Chondrogenic Signature Gene Clusters. <i>Tissue Engineering - Part A</i> , 2011, 17, 1003-1013.	3.1	77
14	Genome-wide map of quantified epigenetic changes during <i>in vitro</i> chondrogenic differentiation of primary human mesenchymal stem cells. <i>BMC Genomics</i> , 2013, 14, 105.	2.8	69
15	Phenotype and Gene Expression of Human Mesenchymal Stem Cells in Alginate Scaffolds. <i>Tissue Engineering - Part A</i> , 2009, 15, 1763-1773.	3.1	67
16	Human Adipose Tissue as a Source of Cells with Angiogenic Potential. <i>Cell Transplantation</i> , 2012, 21, 235-250.	2.5	64
17	Molecular Cloning of a T Cell-specific Adapter Protein (TSA _d) Containing an Src Homology (SH) 2 Domain and Putative SH3 and Phosphotyrosine Binding Sites. <i>Journal of Biological Chemistry</i> , 1998, 273, 4539-4546.	3.4	63
18	Human Primary Articular Chondrocytes, Chondroblasts-Like Cells, and Dedifferentiated Chondrocytes: Differences in Gene, MicroRNA, and Protein Expression and Phenotype. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 219-227.	2.1	59

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19	microRNA-140 Inhibits Inflammation and Stimulates Chondrogenesis in a Model of Interleukin 1 β -induced Osteoarthritis. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e373.	5.1	58
20	Liposome Delivery of MicroRNA-145 to Mesenchymal Stem Cells Leads to Immunological Off-target Effects Mediated by RIG-I. <i>Molecular Therapy</i> , 2013, 21, 1169-1181.	8.2	57
21	Multi-pathway Protective Effects of MicroRNAs on Human Chondrocytes in an In Vitro Model of Osteoarthritis. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 17, 776-790.	5.1	55
22	Similar Properties of Chondrocytes from Osteoarthritis Joints and Mesenchymal Stem Cells from Healthy Donors for Tissue Engineering of Articular Cartilage. <i>PLoS ONE</i> , 2013, 8, e62994.	2.5	55
23	Lipophilic components of diesel exhaust particles induce pro-inflammatory responses in human endothelial cells through AhR dependent pathway(s). <i>Particle and Fibre Toxicology</i> , 2018, 15, 21.	6.2	52
24	Simvastatin coating of TiO ₂ scaffold induces osteogenic differentiation of human adipose tissue-derived mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 139-144.	2.1	46
25	Importance of serum source for the in vitro replicative senescence of human bone marrow derived mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2011, 226, 2908-2915.	4.1	43
26	Concise Review: Therapeutic Potential of Adipose Tissue-Derived Angiogenic Cells. <i>Stem Cells Translational Medicine</i> , 2012, 1, 658-667.	3.3	42
27	Biochemical and Structural Characterization of Neocartilage Formed by Mesenchymal Stem Cells in Alginate Hydrogels. <i>PLoS ONE</i> , 2014, 9, e91662.	2.5	41
28	Demonstration of identical expanded clones within both CD8 ⁺ CD28 ⁺ and CD8 ⁺ CD28 ⁻ T cell subsets in HIV type 1-infected individuals. <i>European Journal of Immunology</i> , 1998, 28, 1738-1742.	2.9	40
29	Cell Therapy for Stress Urinary Incontinence. <i>Tissue Engineering - Part B: Reviews</i> , 2015, 21, 365-376.	4.8	40
30	Correlates of Apoptosis of CD4 ⁺ and CD8 ⁺ T Cells in Tonsillar Tissue in HIV Type 1 Infection. <i>AIDS Research and Human Retroviruses</i> , 1998, 14, 1635-1643.	1.1	37
31	Analysis of the Effects of Five Factors Relevant to In Vitro Chondrogenesis of Human Mesenchymal Stem Cells Using Factorial Design and High Throughput mRNA-Profilng. <i>PLoS ONE</i> , 2014, 9, e96615.	2.5	36
32	Expanding autologous multipotent mesenchymal bone marrow stromal cells. <i>Journal of the Neurological Sciences</i> , 2008, 265, 127-130.	0.6	28
33	Reliable isolation of human immunodeficiency virus from cultures of naturally infected CD4 ⁺ T cells. <i>Journal of Virological Methods</i> , 1989, 25, 293-300.	2.1	25
34	Brief Report: Importance of SOX8 for In Vitro Chondrogenic Differentiation of Human Mesenchymal Stromal Cells. <i>Stem Cells</i> , 2014, 32, 1629-1635.	3.2	25
35	Robust profiling of microRNAs and isomiRs in human plasma exosomes across 46 individuals. <i>Scientific Reports</i> , 2019, 9, 19999.	3.3	24
36	Mesenchymal stromal cells for sphincter regeneration. <i>Advanced Drug Delivery Reviews</i> , 2015, 82-83, 123-136.	13.7	21

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37	The REPAIR-AMI and ASTAMI trials: cell isolation procedures. <i>European Heart Journal</i> , 2007, 28, 2174-2175.	2.2	20
38	Effect of three-dimensional culture and incubator gas concentration on phenotype and differentiation capability of human mesenchymal stem cells. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 684-693.	2.6	18
39	Persistence of Collagen Type II Synthesis and Secretion in Rapidly Proliferating Human Articular Chondrocytes <i>In Vitro</i> . <i>Tissue Engineering - Part A</i> , 2008, 14, 1999-2007.	3.1	16
40	Stem cells for cardiac repair in acute myocardial infarction. <i>Expert Review of Cardiovascular Therapy</i> , 2011, 9, 1015-1025.	1.5	16
41	In Vivo Expansion Coincident with Excessive in Vitro Cell Death within the Memory Subset of CD8+ T Cells in HIV Type 1 Infection. <i>AIDS Research and Human Retroviruses</i> , 1999, 15, 265-272.	1.1	15
42	Recellularization of Decellularized Venous Grafts Using Peripheral Blood: A Critical Evaluation. <i>EBioMedicine</i> , 2018, 32, 215-222.	6.1	15
43	Identification of an Effective Early Signaling Signature during Neo-Vasculogenesis In Vivo by Ex Vivo Proteomic Profiling. <i>PLoS ONE</i> , 2013, 8, e66909.	2.5	14
44	Activation and Proliferation of CD8+ T Cells in Lymphoid Tissues of HIV-1-Infected Individuals in the Absence of the High-Affinity IL-2 Receptor. <i>Journal of Acquired Immune Deficiency Syndromes</i> , 1998, 19, 332-338.	0.3	13
45	Differential responses of T cell subsets: possible role in the immunopathogenesis of AIDS. <i>Aids</i> , 2000, 14, 1689-1700.	2.2	13
46	Alginate hydrogel enriched with enamel matrix derivative to target osteogenic cell differentiation in TiO ₂ scaffolds. <i>Journal of Tissue Engineering</i> , 2015, 6, 204173141557587.	5.5	13
47	Autologous cell sources in therapeutic vasculogenesis: In vitro and in vivo comparison of endothelial colony-forming cells from peripheral blood and endothelial cells isolated from adipose tissue. <i>Cytherapy</i> , 2016, 18, 242-252.	0.7	13
48	Impact of humanised isolation and culture conditions on stemness and osteogenic potential of bone marrow derived mesenchymal stromal cells. <i>Scientific Reports</i> , 2019, 9, 16031.	3.3	12
49	Ultrasonic Surgical Aspirate is a Reliable Source For Culturing Glioblastoma Stem Cells. <i>Scientific Reports</i> , 2016, 6, 32788.	3.3	11
50	The effect of medium composition on deposition of collagen type 1 and expression of osteogenic genes in mesenchymal stem cells derived from human adipose tissue and bone marrow. <i>Process Biochemistry</i> , 2017, 59, 321-328.	3.7	10
51	Molecular analysis of the complementarity determining region 3 of the human T cell receptor β chain. Establishment of a reference panel of CDR3 lengths from phytohaemagglutinin activated lymphocytes. <i>Journal of Immunological Methods</i> , 1999, 223, 207-216.	1.4	9
52	Cell quality in the ASTAMI study. <i>European Heart Journal</i> , 2007, 28, 2172-2172.	2.2	9
53	Expression of inflammatory cytokines in mesenchymal stromal cells is sensitive to culture conditions and simple cell manipulations. <i>Experimental Cell Research</i> , 2019, 374, 122-127.	2.6	8
54	Scaffold-Free Engineering of Human Cartilage Implants. <i>Cartilage</i> , 2021, 13, 1237S-1249S.	2.7	8

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55	Normal CD4 T-cell receptor repertoire in tonsillar tissue despite perturbed repertoire in peripheral blood in HIV-1 infected individuals. <i>Aids</i> , 1999, 13, 2507-2513.	2.2	6
56	Retrovirus mediated gene transduction of human T-cell subsets. <i>Cancer Immunology, Immunotherapy</i> , 2005, 54, 759-768.	4.2	6
57	Modulation of DNA glycosylase activities in mesenchymal stem cells. <i>Experimental Cell Research</i> , 2009, 315, 2558-2567.	2.6	6
58	Polyclonal T-cell activation protocol stimulates preferential expansion of EBV-specific T-cell clones in vitro. <i>Cancer Immunology, Immunotherapy</i> , 2004, 53, 439-444.	4.2	4
59	Single-Cell RNA Sequencing of <i>In Vitro</i> Expanded Chondrocytes: MSC-Like Cells With No Evidence of Distinct Subsets. <i>Cartilage</i> , 2021, 13, 774S-784S.	2.7	4
60	Extensive downregulation of immune gene expression by microRNA-140-3p 5' isomiR in an in vitro model of osteoarthritis. <i>Osteoarthritis and Cartilage Open</i> , 2021, 3, 100189.	2.0	2
61	Ectopic expression of CDX4 in human mesenchymal stem cells does not affect HOX gene expression or induce hematopoietic reprogramming. <i>Stem Cell Research</i> , 2012, 9, 135-142.	0.7	0