

Jan E Brinchmann

List of Publications by Year in descending order

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61
papers

4,563
citations

159585

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123424

61
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docs citations

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times ranked

6870
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | Scaffold-Free Engineering of Human Cartilage Implants. <i>Cartilage</i> , 2021, 13, 1237S-1249S. | 2.7 | 8 |
| 3 | Extensive downregulation of immune gene expression by microRNA-140-3p 5â€² isomiR in an in vitro model of osteoarthritis. <i>Osteoarthritis and Cartilage Open</i> , 2021, 3, 100189. | 2.0 | 2 |
| 4 | 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 |
| 5 | Multi-pathway Protective Effects of MicroRNAs on Human Chondrocytes in an <i>In Vitro</i> Model of Osteoarthritis. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 17, 776-790. | 5.1 | 55 |
| 6 | Robust profiling of microRNAs and isomiRs in human plasma exosomes across 46 individuals. <i>Scientific Reports</i> , 2019, 9, 19999. | 3.3 | 24 |
| 7 | 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 |
| 8 | Recellularization of Decellularized Venous Grafts Using Peripheral Blood: A Critical Evaluation. <i>EBioMedicine</i> , 2018, 32, 215-222. | 6.1 | 15 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | microRNA-140 Inhibits Inflammation and Stimulates Chondrogenesis in a Model of Interleukin 1Î²-induced Osteoarthritis. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e373. | 5.1 | 58 |
| 13 | 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 |
| 14 | Ultrasonic Surgical Aspirate is a Reliable Source For Culturing Glioblastoma Stem Cells. <i>Scientific Reports</i> , 2016, 6, 32788. | 3.3 | 11 |
| 15 | 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>Cytotherapy</i> , 2016, 18, 242-252. | 0.7 | 13 |
| 16 | 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 |
| 17 | Mesenchymal stromal cells for sphincter regeneration. <i>Advanced Drug Delivery Reviews</i> , 2015, 82-83, 123-136. | 13.7 | 21 |
| 18 | Cell Therapy for Stress Urinary Incontinence. <i>Tissue Engineering - Part B: Reviews</i> , 2015, 21, 365-376. | 4.8 | 40 |

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|----|--|-----|-----------|
| 19 | Biochemical and Structural Characterization of Neocartilage Formed by Mesenchymal Stem Cells in Alginate Hydrogels. <i>PLoS ONE</i> , 2014, 9, e91662. | 2.5 | 41 |
| 20 | 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 |
| 21 | 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 |
| 22 | Simvastatin coating of TiO2 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 |
| 23 | 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 |
| 24 | Genome-wide map of quantified epigenetic changes during in vitro chondrogenic differentiation of primary human mesenchymal stem cells. <i>BMC Genomics</i> , 2013, 14, 105. | 2.8 | 69 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Concise Review: Therapeutic Potential of Adipose Tissue-Derived Angiogenic Cells. <i>Stem Cells Translational Medicine</i> , 2012, 1, 658-667. | 3.3 | 42 |
| 30 | Human Adipose Tissue as a Source of Cells with Angiogenic Potential. <i>Cell Transplantation</i> , 2012, 21, 235-250. | 2.5 | 64 |
| 31 | 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 |
| 32 | 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 |
| 33 | Stem cells for cardiac repair in acute myocardial infarction. <i>Expert Review of Cardiovascular Therapy</i> , 2011, 9, 1015-1025. | 1.5 | 16 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|--|------|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | Modulation of DNA glycosylase activities in mesenchymal stem cells. <i>Experimental Cell Research</i> , 2009, 315, 2558-2567. | 2.6 | 6 |
| 40 | Mesenchymal stem cell-based therapy for cartilage repair: a review. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009, 17, 1289-1297. | 4.2 | 150 |
| 41 | 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 |
| 42 | Expanding autologous multipotent mesenchymal bone marrow stromal cells. <i>Journal of the Neurological Sciences</i> , 2008, 265, 127-130. | 0.6 | 28 |
| 43 | 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 |
| 44 | 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 |
| 45 | Cell quality in the ASTAMI study. <i>European Heart Journal</i> , 2007, 28, 2172-2172. | 2.2 | 9 |
| 46 | The REPAIR-AMI and ASTAMI trials: cell isolation procedures. <i>European Heart Journal</i> , 2007, 28, 2174-2175. | 2.2 | 20 |
| 47 | Isolation of Stromal Stem Cells From Human Adipose Tissue. , 2006, 325, 35-46. | | 92 |
| 48 | 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 |
| 49 | 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 |
| 50 | Retrovirus mediated gene transduction of human T-cell subsets. <i>Cancer Immunology, Immunotherapy</i> , 2005, 54, 759-768. | 4.2 | 6 |
| 51 | 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 |
| 52 | 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 |
| 53 | Differential responses of T cell subsets: possible role in the immunopathogenesis of AIDS. <i>Aids</i> , 2000, 14, 1689-1700. | 2.2 | 13 |
| 54 | 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 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | Demonstration of identical expanded clones within both CD8+ α CD28+ and CD8+ α CD28 β T cell subsets in HIV type 1-infected individuals. <i>European Journal of Immunology</i> , 1998, 28, 1738-1742. | 2.9 | 40 |
| 58 | 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 |
| 59 | Molecular Cloning of a T Cell-specific Adapter Protein (TSA β) 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 |
| 60 | 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 |
| 61 | 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 |