Satoru Otsuru

List of Publications by Year
in descending order

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55 papers	2,046 citations	279487 23 h-index	243296 44 g-index
55 all docs	55 docs citations	55 times ranked	3295 citing authors

#	Article	IF	Citations
1	Circulating Bone Marrow-Derived Osteoblast Progenitor Cells Are Recruited to the Bone-Forming Site by the CXCR4/Stromal Cell-Derived Factor-1 Pathway. Stem Cells, 2008, 26, 223-234.	1.4	260
2	PDGFRÎ±-positive cells in bone marrow are mobilized by high mobility group box 1 (HMGB1) to regenerate injured epithelia. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6609-6614.	3.3	214
3	Megakaryocytes promote murine osteoblastic HSC niche expansion and stem cell engraftment after radioablative conditioning. Blood, 2013, 121, 5238-5249.	0.6	129
4	Bone marrow-derived osteoblast progenitor cells in circulating blood contribute to ectopic bone formation in mice. Biochemical and Biophysical Research Communications, 2007, 354, 453-458.	1.0	125
5	Transplanted bone marrow mononuclear cells and MSCs impart clinical benefit to children with osteogenesis imperfecta through different mechanisms. Blood, 2012, 120, 1933-1941.	0.6	118
6	Bone Marrow Cell Transfer into Fetal Circulation Can Ameliorate Genetic Skin Diseases by Providing Fibroblasts to the Skin and Inducing Immune Tolerance. American Journal of Pathology, 2008, 173, 803-814.	1.9	93
7	Tendon Progenitor Cells in Injured Tendons Have Strong Chondrogenic Potential: The CD105-Negative Subpopulation Induces Chondrogenic Degeneration. Stem Cells, 2014, 32, 3266-3277.	1.4	86
8	Controlled Release of Bone Morphogenetic Protein-2 Enhances Recruitment of Osteogenic Progenitor Cells for De Novo Generation of Bone Tissue. Tissue Engineering - Part A, 2010, 16, 1263-1270.	1.6	60
9	Parabiotic Heterogenetic Pairing of Abcc6â^'/â^'/Rag1â^'/â^' Mice and Their Wild-Type Counterparts Halts Ectopic Mineralization in a Murine Model of Pseudoxanthoma Elasticum. American Journal of Pathology, 2010, 176, 1855-1862.	1.9	60
10	GMP-manufactured density gradient media for optimized mesenchymal stromal/stem cell isolation and expansion. Cytotherapy, 2010, 12, 466-477.	0.3	59
11	Safety Profile of Good Manufacturing Practice Manufactured Interferon Î³-Primed Mesenchymal Stem/Stromal Cells for Clinical Trials. Stem Cells Translational Medicine, 2017, 6, 1868-1879.	1.6	56
12	Extracellular vesicles released from mesenchymal stromal cells stimulate bone growth in osteogenesis imperfecta. Cytotherapy, 2018, 20, 62-73.	0.3	56
13	Intratumoral Delivery of InterferonÎ³-Secreting Mesenchymal Stromal Cells Repolarizes Tumor-Associated Macrophages and Suppresses Neuroblastoma Proliferation In Vivo. Stem Cells, 2018, 36, 915-924.	1.4	55
14	Improved isolation and expansion of bone marrow mesenchymal stromal cells using a novel marrow filter device. Cytotherapy, 2013, 15, 146-153.	0.3	52
15	IGF-1-mediated osteoblastic niche expansion enhances long-term hematopoietic stem cell engraftment after murine bone marrow transplantation. Stem Cells, 2013, 31, 2193-2204.	1.4	51
16	Enhanced Tumor-Specific Long-Term Immunity of Hemagglutinating Virus of Japan-Mediated Dendritic Cell-Tumor Fused Cell Vaccination by Coadministration with CpG Oligodeoxynucleotides. Journal of Immunology, 2004, 173, 4297-4307.	0.4	49
17	Exosomes Isolated From Platelet-Rich Plasma and Mesenchymal Stem Cells Promote Recovery of Function After Muscle Injury. American Journal of Sports Medicine, 2020, 48, 2277-2286.	1.9	48
18	Intervertebral disc regeneration with an adipose mesenchymal stem cell-derived tissue-engineered construct in a rat nucleotomy model. Acta Biomaterialia, 2019, 87, 118-129.	4.1	46

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19	BMP-2/7 heterodimer strongly induces bone regeneration in the absence of increased soft tissue inflammation. Spine Journal, 2018, 18, 139-146.	0.6	40
20	Detection of microparticles from human red blood cells by multiparametric flow cytometry. Blood Transfusion, 2015, 13, 274-80.	0.3	38
21	Endoplasmic reticulum stress is induced in growth plate hypertrophic chondrocytes in G610C mouse model of osteogenesis imperfecta. Biochemical and Biophysical Research Communications, 2019, 509, 235-240.	1.0	33
22	Possible Contribution of Wnt-Responsive Chondroprogenitors to the Postnatal Murine Growth Plate. Journal of Bone and Mineral Research, 2019, 34, 964-974.	3.1	32
23	Cell therapy for disorders of bone. Cytotherapy, 2009, 11, 3-17.	0.3	30
24	Apolipoprotein E plays crucial roles in maintaining bone mass by promoting osteoblast differentiation via ERK1/2 pathway and by suppressing osteoclast differentiation via c-Fos, NFATc1, and NF-Î°B pathway. Biochemical and Biophysical Research Communications, 2018, 503, 644-650.	1.0	26
25	Enhancement of recombinant human bone morphogenetic protein-2 (rhBMP-2)-induced new bone formation by concurrent treatment with parathyroid hormone and a phosphodiesterase inhibitor, pentoxifylline. Journal of Bone and Mineral Metabolism, 2004, 22, 329-34.	1.3	22
26	Wnt signaling in chondroprogenitors during long bone development and growth. Bone, 2020, 137, 115368.	1.4	19
27	Genomic and functional comparison of mesenchymal stromal cells prepared using two isolation methods. Cytotherapy, 2015, 17, 262-270.	0.3	17
28	ONO-1301 Enhances in vitro Osteoblast Differentiation and in vivo Bone Formation Induced by Bone Morphogenetic Protein. Spine, 2018, 43, E616-E624.	1.0	16
29	4PBA reduces growth deficiency in osteogenesis imperfecta by enhancing transition of hypertrophic chondrocytes to osteoblasts. JCI Insight, 2022, 7, .	2.3	16
30	Hematopoietic derived cells do not contribute to osteogenesis as osteoblasts. Bone, 2017, 94, 1-9.	1.4	15
31	Extracellular vesicle miRNA-21 is a potential biomarker for predicting chronic lung disease in premature infants. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L845-L851.	1.3	15
32	Transplanted Murine Long-term Repopulating Hematopoietic Cells Can Differentiate to Osteoblasts in the Marrow Stem Cell Niche. Molecular Therapy, 2013, 21, 1224-1231.	3.7	14
33	Modeling and remodeling effects of intermittent administration of teriparatide (parathyroid) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Reports, 2016, 5, 173-180.	0.2	14
34	Bone marrow-derived mononuclear cell seeded bioresorbable vascular graft improves acute graft patency by inhibiting thrombus formation via platelet adhesion. International Journal of Cardiology, 2018, 266, 61-66.	0.8	13
35	A Tissue-Engineered Chondrocyte Cell Sheet Induces Extracellular Matrix Modification to Enhance Ventricular Biomechanics and Attenuate Myocardial Stiffness in Ischemic Cardiomyopathy. Tissue Engineering - Part A, 2015, 21, 2515-2525.	1.6	11
36	Control of glucose metabolism is important in tenogenic differentiation of progenitors derived from human injured tendons. PLoS ONE, 2019, 14, e0213912.	1.1	11

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37	Osteopoietic engraftment after bone marrow transplantation: Effect of inbred strain of mice. Experimental Hematology, 2010, 38, 836-844.	0.2	6
38	Delayed Marrow Infusion in Mice Enhances Hematopoietic and Osteopoietic Engraftment by Facilitating Transient Expansion of the Osteoblastic Niche. Biology of Blood and Marrow Transplantation, 2013, 19, 1566-1573.	2.0	6
39	Assessment of effects of rhBMP-2 on interbody fusion with a novel rat model. Spine Journal, 2020, 20, 821-829.	0.6	6
40	Imatinib attenuates neotissue formation during vascular remodeling in an arterial bioresorbable vascular graft. JVS Vascular Science, 2020, 1, 57-67.	0.4	5
41	Analysis of Association between Morphometric Parameters of Growth Plate and Bone Growth of Tibia in Mice and Humans. Cartilage, 2020, , 194760351990080.	1.4	5
42	Culture Condition of Bone Marrow Stromal Cells Affects Quantity and Quality of the Extracellular Vesicles. International Journal of Molecular Sciences, 2022, 23, 1017.	1.8	5
43	Selective Retinoic Acid Receptor Î³ Antagonist 7C is a Potent Enhancer of BMP-Induced Ectopic Endochondral Bone Formation. Frontiers in Cell and Developmental Biology, 2022, 10, 802699.	1.8	5
44	Splenic macrophage phagocytosis of intravenously infused mesenchymal stromal cells attenuates tumor localization. Cytotherapy, 2021, 23, 411-422.	0.3	4
45	Combination of Interferon Î±, Delivered By Engineered Mesenchymal Stromal Cells, and Cytarabine Limits the Development of Acute Myeloid Leukemia, Potentially Targeting Leukemic Stem Cells. Blood, 2019, 134, 5143-5143.	0.6	3
46	Identification of a murine CD45â^'F4/80lo HSC-derived marrow endosteal cell associated with donor stem cell engraftment. Blood Advances, 2017, 1, 2667-2678.	2.5	1
47	Adaptation of Marrow Osteoblast Morphology Mediated By a Hematopoietic-Derived Endosteal Cell Is Critical for Donor HSC Engraftment after BMT. Blood, 2015, 126, 3603-3603.	0.6	1
48	992. Induction of Immune Tolerance to Transgene Products by Mixed Chimerism with Low Dose Irradiation. Molecular Therapy, 2006, 13, S382.	3.7	0
49	A strategy for single nucleotide polymorphism analysis of chimerism for somatic cell therapy. Cytotherapy, 2010, 12, 1035-1043.	0.3	0
50	Use of Mesenchymal Stem/Stromal Cells for Pediatric Orthopedic Applications. Techniques in Orthopaedics, 2019, 34, 257-265.	0.1	0
51	IGF1-Mediated Osteoblastic Niche Expansion After Marrow Ablation Enhances Long-Term Hematopoietic Stem Cell Engraftment and Hematopoietic Reconstitution After Bone Marrow Transplantation. Blood, 2010, 116, 557-557.	0.6	0
52	Novel Role for Host-Derived Megakaryocytes In Facilitating Stem Cell Engraftment through Enhancement of Osteoblastic Niche Restoration Following Radioablation. Blood, 2010, 116, 558-558.	0.6	0
53	Enhancement of Megakaryocyte Interactions with the Osteoblastic Hematopoietic Stem Cell Niche Improves Engraftment Efficiency Following Hematopoietic Stem Cell Transplantation. Blood, 2012, 120, 211-211.	0.6	0
54	Expansion of the Endosteal Hematopoietic Stem Cell Niche Following Myeloablative and Reduced Intensity Conditioning Is Triggered By Hematopoietic Cell Loss. Blood, 2014, 124, 1090-1090.	0.6	0

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55	Mesenchymal Stromal Cells Expressing Interferon Î± Limit the Development of Acute Myeloid Leukemia, Inducing Apoptosis In Vitro and In Vivo. Blood, 2016, 128, 5216-5216.	0.6	0