

# 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

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times ranked

3295  
citing authors

#	ARTICLE	IF	CITATIONS
1	Culture Condition of Bone Marrow Stromal Cells Affects Quantity and Quality of the Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1017.	1.8	5
2	4PBA reduces growth deficiency in osteogenesis imperfecta by enhancing transition of hypertrophic chondrocytes to osteoblasts. <i>JCI Insight</i> , 2022, 7, .	2.3	16
3	Selective Retinoic Acid Receptor $\beta$ Antagonist 7C is a Potent Enhancer of BMP-Induced Ectopic Endochondral Bone Formation. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 802699.	1.8	5
4	Splenic macrophage phagocytosis of intravenously infused mesenchymal stromal cells attenuates tumor localization. <i>Cytotherapy</i> , 2021, 23, 411-422.	0.3	4
5	Assessment of effects of rhBMP-2 on interbody fusion with a novel rat model. <i>Spine Journal</i> , 2020, 20, 821-829.	0.6	6
6	Imatinib attenuates neotissue formation during vascular remodeling in an arterial bioresorbable vascular graft. <i>JVS Vascular Science</i> , 2020, 1, 57-67.	0.4	5
7	Exosomes Isolated From Platelet-Rich Plasma and Mesenchymal Stem Cells Promote Recovery of Function After Muscle Injury. <i>American Journal of Sports Medicine</i> , 2020, 48, 2277-2286.	1.9	48
8	Extracellular vesicle miRNA-21 is a potential biomarker for predicting chronic lung disease in premature infants. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L845-L851.	1.3	15
9	Wnt signaling in chondroprogenitors during long bone development and growth. <i>Bone</i> , 2020, 137, 115368.	1.4	19
10	Analysis of Association between Morphometric Parameters of Growth Plate and Bone Growth of Tibia in Mice and Humans. <i>Cartilage</i> , 2020, , 194760351990080.	1.4	5
11	Intervertebral disc regeneration with an adipose mesenchymal stem cell-derived tissue-engineered construct in a rat nucleotomy model. <i>Acta Biomaterialia</i> , 2019, 87, 118-129.	4.1	46
12	Control of glucose metabolism is important in tenogenic differentiation of progenitors derived from human injured tendons. <i>PLoS ONE</i> , 2019, 14, e0213912.	1.1	11
13	Use of Mesenchymal Stem/Stromal Cells for Pediatric Orthopedic Applications. <i>Techniques in Orthopaedics</i> , 2019, 34, 257-265.	0.1	0
14	Endoplasmic reticulum stress is induced in growth plate hypertrophic chondrocytes in G610C mouse model of osteogenesis imperfecta. <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 235-240.	1.0	33
15	Possible Contribution of Wnt-Responsive Chondroprogenitors to the Postnatal Murine Growth Plate. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 964-974.	3.1	32
16	Combination of Interferon $\beta$ , Delivered By Engineered Mesenchymal Stromal Cells, and Cytarabine Limits the Development of Acute Myeloid Leukemia, Potentially Targeting Leukemic Stem Cells. <i>Blood</i> , 2019, 134, 5143-5143.	0.6	3
17	Intratumoral Delivery of Interferon $\beta$ -Secreting Mesenchymal Stromal Cells Repolarizes Tumor-Associated Macrophages and Suppresses Neuroblastoma Proliferation In Vivo. <i>Stem Cells</i> , 2018, 36, 915-924.	1.4	55
18	Extracellular vesicles released from mesenchymal stromal cells stimulate bone growth in osteogenesis imperfecta. <i>Cytotherapy</i> , 2018, 20, 62-73.	0.3	56

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19	ONO-1301 Enhances in vitro Osteoblast Differentiation and in vivo Bone Formation Induced by Bone Morphogenetic Protein. <i>Spine</i> , 2018, 43, E616-E624.	1.0	16
20	BMP-2/7 heterodimer strongly induces bone regeneration in the absence of increased soft tissue inflammation. <i>Spine Journal</i> , 2018, 18, 139-146.	0.6	40
21	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- $\kappa$ B pathway. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 644-650.	1.0	26
22	Bone marrow-derived mononuclear cell seeded bioresorbable vascular graft improves acute graft patency by inhibiting thrombus formation via platelet adhesion. <i>International Journal of Cardiology</i> , 2018, 266, 61-66.	0.8	13
23	Safety Profile of Good Manufacturing Practice Manufactured Interferon $\gamma$ -Primed Mesenchymal Stem/Stromal Cells for Clinical Trials. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1868-1879.	1.6	56
24	Hematopoietic derived cells do not contribute to osteogenesis as osteoblasts. <i>Bone</i> , 2017, 94, 1-9.	1.4	15
25	Identification of a murine CD45 <sup>+</sup> F4/80 <sup>lo</sup> HSC-derived marrow endosteal cell associated with donor stem cell engraftment. <i>Blood Advances</i> , 2017, 1, 2667-2678.	2.5	1
26	Modeling and remodeling effects of intermittent administration of teriparatide (parathyroid) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T Reports, 2016, 5, 173-180.	0.2	14
27	Mesenchymal Stromal Cells Expressing Interferon $\gamma$ Limit the Development of Acute Myeloid Leukemia, Inducing Apoptosis In Vitro and In Vivo. <i>Blood</i> , 2016, 128, 5216-5216.	0.6	0
28	A Tissue-Engineered Chondrocyte Cell Sheet Induces Extracellular Matrix Modification to Enhance Ventricular Biomechanics and Attenuate Myocardial Stiffness in Ischemic Cardiomyopathy. <i>Tissue Engineering - Part A</i> , 2015, 21, 2515-2525.	1.6	11
29	Genomic and functional comparison of mesenchymal stromal cells prepared using two isolation methods. <i>Cytotherapy</i> , 2015, 17, 262-270.	0.3	17
30	Adaptation of Marrow Osteoblast Morphology Mediated By a Hematopoietic-Derived Endosteal Cell Is Critical for Donor HSC Engraftment after BMT. <i>Blood</i> , 2015, 126, 3603-3603.	0.6	1
31	Detection of microparticles from human red blood cells by multiparametric flow cytometry. <i>Blood Transfusion</i> , 2015, 13, 274-80.	0.3	38
32	Tendon Progenitor Cells in Injured Tendons Have Strong Chondrogenic Potential: The CD105-Negative Subpopulation Induces Chondrogenic Degeneration. <i>Stem Cells</i> , 2014, 32, 3266-3277.	1.4	86
33	Expansion of the Endosteal Hematopoietic Stem Cell Niche Following Myeloablative and Reduced Intensity Conditioning Is Triggered By Hematopoietic Cell Loss. <i>Blood</i> , 2014, 124, 1090-1090.	0.6	0
34	Improved isolation and expansion of bone marrow mesenchymal stromal cells using a novel marrow filter device. <i>Cytotherapy</i> , 2013, 15, 146-153.	0.3	52
35	Delayed Marrow Infusion in Mice Enhances Hematopoietic and Osteopoietic Engraftment by Facilitating Transient Expansion of the Osteoblastic Niche. <i>Biology of Blood and Marrow Transplantation</i> , 2013, 19, 1566-1573.	2.0	6
36	Transplanted Murine Long-term Repopulating Hematopoietic Cells Can Differentiate to Osteoblasts in the Marrow Stem Cell Niche. <i>Molecular Therapy</i> , 2013, 21, 1224-1231.	3.7	14

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37	IGF-1-mediated osteoblastic niche expansion enhances long-term hematopoietic stem cell engraftment after murine bone marrow transplantation. <i>Stem Cells</i> , 2013, 31, 2193-2204.	1.4	51
38	Megakaryocytes promote murine osteoblastic HSC niche expansion and stem cell engraftment after radioablative conditioning. <i>Blood</i> , 2013, 121, 5238-5249.	0.6	129
39	Transplanted bone marrow mononuclear cells and MSCs impart clinical benefit to children with osteogenesis imperfecta through different mechanisms. <i>Blood</i> , 2012, 120, 1933-1941.	0.6	118
40	Enhancement of Megakaryocyte Interactions with the Osteoblastic Hematopoietic Stem Cell Niche Improves Engraftment Efficiency Following Hematopoietic Stem Cell Transplantation. <i>Blood</i> , 2012, 120, 211-211.	0.6	0
41	PDGFR $\beta$ -positive cells in bone marrow are mobilized by high mobility group box 1 (HMGB1) to regenerate injured epithelia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6609-6614.	3.3	214
42	Controlled Release of Bone Morphogenetic Protein-2 Enhances Recruitment of Osteogenic Progenitor Cells for <i>De Novo</i> Generation of Bone Tissue. <i>Tissue Engineering - Part A</i> , 2010, 16, 1263-1270.	1.6	60
43	Osteopoietic engraftment after bone marrow transplantation: Effect of inbred strain of mice. <i>Experimental Hematology</i> , 2010, 38, 836-844.	0.2	6
44	GMP-manufactured density gradient media for optimized mesenchymal stromal/stem cell isolation and expansion. <i>Cytotherapy</i> , 2010, 12, 466-477.	0.3	59
45	Parabiotic Heterogenetic Pairing of <i>Abcc6</i> <sup>-/-</sup> / <i>Rag1</i> <sup>-/-</sup> Mice and Their Wild-Type Counterparts Halts Ectopic Mineralization in a Murine Model of Pseudoxanthoma Elasticum. <i>American Journal of Pathology</i> , 2010, 176, 1855-1862.	1.9	60
46	A strategy for single nucleotide polymorphism analysis of chimerism for somatic cell therapy. <i>Cytotherapy</i> , 2010, 12, 1035-1043.	0.3	0
47	IGF1-Mediated Osteoblastic Niche Expansion After Marrow Ablation Enhances Long-Term Hematopoietic Stem Cell Engraftment and Hematopoietic Reconstitution After Bone Marrow Transplantation. <i>Blood</i> , 2010, 116, 557-557.	0.6	0
48	Novel Role for Host-Derived Megakaryocytes In Facilitating Stem Cell Engraftment through Enhancement of Osteoblastic Niche Restoration Following Radioablation. <i>Blood</i> , 2010, 116, 558-558.	0.6	0
49	Cell therapy for disorders of bone. <i>Cytotherapy</i> , 2009, 11, 3-17.	0.3	30
50	Circulating Bone Marrow-Derived Osteoblast Progenitor Cells Are Recruited to the Bone-Forming Site by the CXCR4/Stromal Cell-Derived Factor-1 Pathway. <i>Stem Cells</i> , 2008, 26, 223-234.	1.4	260
51	Bone Marrow Cell Transfer into Fetal Circulation Can Ameliorate Genetic Skin Diseases by Providing Fibroblasts to the Skin and Inducing Immune Tolerance. <i>American Journal of Pathology</i> , 2008, 173, 803-814.	1.9	93
52	Bone marrow-derived osteoblast progenitor cells in circulating blood contribute to ectopic bone formation in mice. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 453-458.	1.0	125
53	992. Induction of Immune Tolerance to Transgene Products by Mixed Chimerism with Low Dose Irradiation. <i>Molecular Therapy</i> , 2006, 13, S382.	3.7	0
54	Enhanced Tumor-Specific Long-Term Immunity of Hemagglutinating Virus of Japan-Mediated Dendritic Cell-Tumor Fused Cell Vaccination by Coadministration with CpG Oligodeoxynucleotides. <i>Journal of Immunology</i> , 2004, 173, 4297-4307.	0.4	49

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55	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. <i>Journal of Bone and Mineral Metabolism</i> , 2004, 22, 329-34.	1.3	22