Noriaki Ono

List of Publications by Citations

40 papers	1,890 citations	20 h-index	43 g-index
50 ext. papers	2,549 ext. citations	8.1 avg, IF	5.2 L-index

#	Paper	IF	Citations
40	Osterix marks distinct waves of primitive and definitive stromal progenitors during bone marrow development. *Developmental Cell*, **2014**, 29, 340-9	10.2	271
39	A subset of chondrogenic cells provides early mesenchymal progenitors in growing bones. *Nature Cell Biology*, **2014**, 16, 1157-67	23.4	265
38	Loss of wnt/β-catenin signaling causes cell fate shift of preosteoblasts from osteoblasts to adipocytes. *Journal of Bone and Mineral Research*, **2012**, 27, 2344-58	6.3	169
37	Resting zone of the growth plate houses a unique class of skeletal stem cells. *Nature*, **2018**, 563, 254-258	50.4	156
36	Identification of a Prg4-expressing articular cartilage progenitor cell population in mice. *Arthritis and Rheumatology*, **2015**, 67, 1261-73	9.5	119
35	Vasculature-associated cells expressing nestin in developing bones encompass early cells in the osteoblast and endothelial lineage. *Developmental Cell*, **2014**, 29, 330-9	10.2	113
34	Proximity-Based Differential Single-Cell Analysis of the Niche to Identify Stem/Progenitor Cell Regulators. *Cell Stem Cell*, **2016**, 19, 530-543	18	96
33	Single-Cell Analysis of the Liver Epithelium Reveals Dynamic Heterogeneity and an Essential Role for YAP in Homeostasis and Regeneration. *Cell Stem Cell*, **2019**, 25, 23-38.e8	18	82
32	A Wnt-mediated transformation of the bone marrow stromal cell identity orchestrates skeletal regeneration. *Nature Communications*, **2020**, 11, 332	17.4	80
31	Parathyroid hormone regulates fates of murine osteoblast precursors in vivo. *Journal of Clinical Investigation*, **2017**, 127, 3327-3338	15.9	75
30	Parathyroid hormone receptor signalling in osterix-expressing mesenchymal progenitors is essential for tooth root formation. *Nature Communications*, **2016**, 7, 11277	17.4	65
29	Autocrine regulation of mesenchymal progenitor cell fates orchestrates tooth eruption. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 575-580	11.5	50
28	Growth Plate Chondrocytes: Skeletal Development, Growth and Beyond. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	44
27	Loss of Gsα early in the osteoblast lineage favors adipogenic differentiation of mesenchymal progenitors and committed osteoblast precursors. *Journal of Bone and Mineral Research*, **2014**, 29, 2414-26	6.3	30
26	Stem and progenitor cells in skeletal development. *Current Topics in Developmental Biology*, **2019**, 133, 1-24	5.3	29
25	Growth Plate Borderline Chondrocytes Behave as Transient Mesenchymal Precursor Cells. *Journal of Bone and Mineral Research*, **2019**, 34, 1387-1392	6.3	28
24	Osteopontin negatively regulates parathyroid hormone receptor signaling in osteoblasts. *Journal of Biological Chemistry*, **2008**, 283, 19400-9	5.4	28

23	Bone repair and stem cells. *Current Opinion in Genetics and Development*, **2016**, 40, 103-107	4.9	26
22	Constitutively active parathyroid hormone receptor signaling in cells in osteoblastic lineage suppresses mechanical unloading-induced bone resorption. *Journal of Biological Chemistry*, **2007**, 282, 25509-16	5.4	22
21	Skeletal Stem Cells for Bone Development and Repair: Diversity Matters. *Current Osteoporosis Reports*, **2020**, 18, 189-198	5.4	20
20	Growth plate skeletal stem cells and their transition from cartilage to bone. *Bone*, **2020**, 136, 115359	4.7	17
19	Constitutively active PTH/PTHrP receptor specifically expressed in osteoblasts enhances bone formation induced by bone marrow ablation. *Journal of Cellular Physiology*, **2012**, 227, 408-15	7	17
18	The Unmixing Problem: A Guide to Applying Single-Cell RNA Sequencing to Bone. *Journal of Bone and Mineral Research*, **2019**, 34, 1207-1219	6.3	13
17	Mesenchymal progenitor cells for the osteogenic lineage. *Current Molecular Biology Reports*, **2015**, 1, 95-100	2	12
16	Mesenchymal Progenitor Regulation of Tooth Eruption: A View from PTHrP. *Journal of Dental Research*, **2020**, 99, 133-142	8.1	12
15	Diverse contribution of Col2a1-expressing cells to the craniofacial skeletal cell lineages. *Orthodontics and Craniofacial Research*, **2017**, 20 Suppl 1, 44-49	3	9
14	The fate of Osterix-expressing mesenchymal cells in dental root formation and maintenance. *Orthodontics and Craniofacial Research*, **2017**, 20 Suppl 1, 39-43	3	6
13	The diverse origin of bone-forming osteoblasts. *Journal of Bone and Mineral Research*, **2021**, 36, 1432-1447	6.3	5
12	Chondrocytes in the resting zone of the growth plate are maintained in a Wnt-inhibitory environment. *ELife*, **2021**, 10,	8.9	5
11	Bone regeneration via skeletal cell lineage plasticity: All hands mobilized for emergencies: Quiescent mature skeletal cells can be activated in response to injury and robustly participate in bone regeneration through cellular plasticity. *BioEssays*, **2021**, 43, e2000202	4.1	4
10	Msx2 Marks Spatially Restricted Populations of Mesenchymal Precursors. *Journal of Dental Research*, **2018**, 97, 1260-1267	8.1	3
9	A three-dimensional analysis of primary failure of eruption in humans and mice. *Oral Diseases*, **2020**, 26, 391-400	3.5	3
8	Intercellular Interactions of an Adipogenic CXCL12-Expressing Stromal Cell Subset in Murine Bone Marrow. *Journal of Bone and Mineral Research*, **2021**, 36, 1145-1158	6.3	3
7	The collagen receptor, discoidin domain receptor 2, functions in Gli1-positive skeletal progenitors and chondrocytes to control bone development.. *Bone Research*, **2022**, 10, 11	13.3	2
6	Unveiling diversity of stem cells in dental pulp and apical papilla using mouse genetic models: a literature review. *Cell and Tissue Research*, **2021**, 383, 603-616	4.2	2

5	Flow Cytometry-Based Analysis of the Mouse Bone Marrow Stromal and Perivascular Compartment. *Methods in Molecular Biology*, **2021**, 2308, 83-94	1.4	2
4	The hypertrophic chondrocyte: To be or not to be. *Histology and Histopathology*, **2021**, 18355	1.4	1
3	Notch effector Hes1 marks an early perichondrial population of skeletal progenitor cells at the onset of endochondral bone development		1
2	Synergy of single-cell sequencing analyses and lineage-tracing approaches: A new opportunity for stem cell biology.. *Biocell*, **2022**, 46, 1157-1162	1.9	0
1	Toward Marrow Adipocytes: Adipogenic Trajectory of the Bone Marrow Stromal Cell Lineage.. *Frontiers in Endocrinology*, **2022**, 13, 882297	5.7	0