Noriaki Ono

List of Publications by Year
in descending order

45 papers	3,090 citations	279487 23 h-index	253896 43 g-index
50 all docs	50 docs citations	50 times ranked	4309 citing authors

#	Article	IF	Citations
1	Osterix Marks Distinct Waves of Primitive and Definitive Stromal Progenitors during Bone Marrow Development. Developmental Cell, 2014, 29, 340-349.	3.1	365
2	A subset of chondrogenic cells provides early mesenchymal progenitors in growing bones. Nature Cell Biology, 2014, 16, 1157-1167.	4.6	346
3	Resting zone of the growth plate houses a unique class of skeletal stem cells. Nature, 2018, 563, 254-258.	13.7	280
4	Loss of wnt/Î2-catenin signaling causes cell fate shift of preosteoblasts from osteoblasts to adipocytes. Journal of Bone and Mineral Research, 2012, 27, 2344-2358.	3.1	201
5	Identification of a <i>Prg4</i>â€Expressing Articular Cartilage Progenitor Cell Population in Mice. Arthritis and Rheumatology, 2015, 67, 1261-1273.	2.9	185
6	A Wnt-mediated transformation of the bone marrow stromal cell identity orchestrates skeletal regeneration. Nature Communications, 2020, 11, 332.	5.8	184
7	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.	5.2	176
8	Vasculature-Associated Cells Expressing Nestin in Developing Bones Encompass Early Cells in the Osteoblast and Endothelial Lineage. Developmental Cell, 2014, 29, 330-339.	3.1	160
9	Proximity-Based Differential Single-Cell Analysis of the Niche to Identify Stem/Progenitor Cell Regulators. Cell Stem Cell, 2016, 19, 530-543.	5.2	136
10	Parathyroid hormone receptor signalling in osterix-expressing mesenchymal progenitors is essential for tooth root formation. Nature Communications, 2016, 7, 11277.	5.8	105
11	Parathyroid hormone regulates fates of murine osteoblast precursors in vivo. Journal of Clinical Investigation, 2017, 127, 3327-3338.	3.9	103
12	Growth Plate Chondrocytes: Skeletal Development, Growth and Beyond. International Journal of Molecular Sciences, 2019, 20, 6009.	1.8	92
13	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.	3.3	91
14	Stem and progenitor cells in skeletal development. Current Topics in Developmental Biology, 2019, 133, 1-24.	1.0	61
15	The diverse origin of bone-forming osteoblasts. Journal of Bone and Mineral Research, 2020, 36, 1432-1447.	3.1	56
16	Skeletal Stem Cells for Bone Development and Repair: Diversity Matters. Current Osteoporosis Reports, 2020, 18, 189-198.	1.5	45
17	Growth Plate Borderline Chondrocytes Behave as Transient Mesenchymal Precursor Cells. Journal of Bone and Mineral Research, 2019, 34, 1387-1392.	3.1	44
18	Growth plate skeletal stem cells and their transition from cartilage to bone. Bone, 2020, 136, 115359.	1.4	41

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19	The Unmixing Problem: A Guide to Applying Single-Cell RNA Sequencing to Bone. Journal of Bone and Mineral Research, 2019, 34, 1207-1219.	3.1	34
20	Loss of GsÎ± Early in the Osteoblast Lineage Favors Adipogenic Differentiation of Mesenchymal Progenitors and Committed Osteoblast Precursors. Journal of Bone and Mineral Research, 2014, 29, 2414-2426.	3.1	33
21	Bone repair and stem cells. Current Opinion in Genetics and Development, 2016, 40, 103-107.	1.5	33
22	Mesenchymal Progenitor Regulation of Tooth Eruption: A View from PTHrP. Journal of Dental Research, 2020, 99, 133-142.	2.5	32
23	Chondrocytes in the resting zone of the growth plate are maintained in a Wnt-inhibitory environment. ELife, 2021, 10, .	2.8	31
24	Osteopontin Negatively Regulates Parathyroid Hormone Receptor Signaling in Osteoblasts. Journal of Biological Chemistry, 2008, 283, 19400-19409.	1.6	29
25	Constitutively Active Parathyroid Hormone Receptor Signaling in Cells in Osteoblastic Lineage Suppresses Mechanical Unloading-induced Bone Resorption. Journal of Biological Chemistry, 2007, 282, 25509-25516.	1.6	22
26	Constitutively active PTH/PTHrP receptor specifically expressed in osteoblasts enhances bone formation induced by bone marrow ablation. Journal of Cellular Physiology, 2012, 227, 408-415.	2.0	22
27	Single-Cell Transcriptomic Analysis Reveals Developmental Relationships and Specific Markers of Mouse Periodontium Cellular Subsets. Frontiers in Dental Medicine, 2021, 2, .	0.5	16
28	Diverse contribution of <i>Col2a1</i>â€expressing cells to the craniofacial skeletal cell lineages. Orthodontics and Craniofacial Research, 2017, 20, 44-49.	1.2	15
29	The collagen receptor, discoidin domain receptor 2, functions in Gli1-positive skeletal progenitors and chondrocytes to control bone development. Bone Research, 2022, 10, 11.	5.4	15
30	Mesenchymal Progenitor Cells for the Osteogenic Lineage. Current Molecular Biology Reports, 2015, 1, 95-100.	0.8	14
31	A threeâ€dimensional analysis of primary failure of eruption in humans and mice. Oral Diseases, 2020, 26, 391-400.	1.5	14
32	Intercellular Interactions of an Adipogenic CXCL12-Expressing Stromal Cell Subset in Murine Bone Marrow. Journal of Bone and Mineral Research, 2020, 36, 1145-1158.	3.1	14
33	Bone regeneration via skeletal cell lineage plasticity: All hands mobilized for emergencies. BioEssays, 2021, 43, e2000202.	1.2	13
34	The hypertrophic chondrocyte: To be or not to be. Histology and Histopathology, 2021, , 18355.	0.5	13
35	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.	1.5	12
36	The Role of Wnt Signaling in Postnatal Tooth Root Development. Frontiers in Dental Medicine, 2021, 2, .	0.5	11

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37	The fate of Osterixâ€expressing mesenchymal cells in dental root formation and maintenance. Orthodontics and Craniofacial Research, 2017, 20, 39-43.	1.2	10
38	Flow Cytometry-Based Analysis of the Mouse Bone Marrow Stromal and Perivascular Compartment. Methods in Molecular Biology, 2021, 2308, 83-94.	0.4	9
39	Cranial Base Synchondrosis: Chondrocytes at the Hub. International Journal of Molecular Sciences, 2022, 23, 7817.	1.8	9
40	Toward Marrow Adipocytes: Adipogenic Trajectory of the Bone Marrow Stromal Cell Lineage. Frontiers in Endocrinology, 2022, 13, 882297.	1.5	4
41	Cranial Base Synchondrosis Lacks PTHrP-Expressing Column-Forming Chondrocytes. International Journal of Molecular Sciences, 2022, 23, 7873.	1.8	4
42	Msx2 Marks Spatially Restricted Populations of Mesenchymal Precursors. Journal of Dental Research, 2018, 97, 1260-1267.	2.5	3
43	Synergy of single-cell sequencing analyses and in vivo lineage-tracing approaches: A new opportunity for stem cell biology. Biocell, 2022, 46, 1157-1162.	0.4	3
44	Singleâ€Cell <scp>RNA</scp>â€Sequencing Leading to Breakthroughs in Musculoskeletal Research. JBMR Plus, 2022, 6, .	1.3	1
45	A role for fat precursors in the marrow. ELife, 2020, 9, .	2.8	0