

Noriaki Ono

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

3,090
citations

279798

23
h-index

254184

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. <i>Developmental Cell</i> , 2014, 29, 340-349.	7.0	365
2	A subset of chondrogenic cells provides early mesenchymal progenitors in growing bones. <i>Nature Cell Biology</i> , 2014, 16, 1157-1167.	10.3	346
3	Resting zone of the growth plate houses a unique class of skeletal stem cells. <i>Nature</i> , 2018, 563, 254-258.	27.8	280
4	Loss of <i>wnt/β2-catenin</i> signaling causes cell fate shift of preosteoblasts from osteoblasts to adipocytes. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 2344-2358.	2.8	201
5	Identification of a <i>Prg4</i> -Expressing Articular Cartilage Progenitor Cell Population in Mice. <i>Arthritis and Rheumatology</i> , 2015, 67, 1261-1273.	5.6	185
6	A Wnt-mediated transformation of the bone marrow stromal cell identity orchestrates skeletal regeneration. <i>Nature Communications</i> , 2020, 11, 332.	12.8	184
7	Single-Cell Analysis of the Liver Epithelium Reveals Dynamic Heterogeneity and an Essential Role for YAP in Homeostasis and Regeneration. <i>Cell Stem Cell</i> , 2019, 25, 23-38.e8.	11.1	176
8	Vasculature-Associated Cells Expressing Nestin in Developing Bones Encompass Early Cells in the Osteoblast and Endothelial Lineage. <i>Developmental Cell</i> , 2014, 29, 330-339.	7.0	160
9	Proximity-Based Differential Single-Cell Analysis of the Niche to Identify Stem/Progenitor Cell Regulators. <i>Cell Stem Cell</i> , 2016, 19, 530-543.	11.1	136
10	Parathyroid hormone receptor signalling in osterix-expressing mesenchymal progenitors is essential for tooth root formation. <i>Nature Communications</i> , 2016, 7, 11277.	12.8	105
11	Parathyroid hormone regulates fates of murine osteoblast precursors in vivo. <i>Journal of Clinical Investigation</i> , 2017, 127, 3327-3338.	8.2	103
12	Growth Plate Chondrocytes: Skeletal Development, Growth and Beyond. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6009.	4.1	92
13	Autocrine regulation of mesenchymal progenitor cell fates orchestrates tooth eruption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 575-580.	7.1	91
14	Stem and progenitor cells in skeletal development. <i>Current Topics in Developmental Biology</i> , 2019, 133, 1-24.	2.2	61
15	The diverse origin of bone-forming osteoblasts. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1432-1447.	2.8	56
16	Skeletal Stem Cells for Bone Development and Repair: Diversity Matters. <i>Current Osteoporosis Reports</i> , 2020, 18, 189-198.	3.6	45
17	Growth Plate Borderline Chondrocytes Behave as Transient Mesenchymal Precursor Cells. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1387-1392.	2.8	44
18	Growth plate skeletal stem cells and their transition from cartilage to bone. <i>Bone</i> , 2020, 136, 115359.	2.9	41

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19	The Unmixing Problem: A Guide to Applying Single-Cell RNA Sequencing to Bone. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1207-1219.	2.8	34
20	Loss of Gs1± Early in the Osteoblast Lineage Favors Adipogenic Differentiation of Mesenchymal Progenitors and Committed Osteoblast Precursors. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 2414-2426.	2.8	33
21	Bone repair and stem cells. <i>Current Opinion in Genetics and Development</i> , 2016, 40, 103-107.	3.3	33
22	Mesenchymal Progenitor Regulation of Tooth Eruption: A View from PTHrP. <i>Journal of Dental Research</i> , 2020, 99, 133-142.	5.2	32
23	Chondrocytes in the resting zone of the growth plate are maintained in a Wnt-inhibitory environment. <i>ELife</i> , 2021, 10, .	6.0	31
24	Osteopontin Negatively Regulates Parathyroid Hormone Receptor Signaling in Osteoblasts. <i>Journal of Biological Chemistry</i> , 2008, 283, 19400-19409.	3.4	29
25	Constitutively Active Parathyroid Hormone Receptor Signaling in Cells in Osteoblastic Lineage Suppresses Mechanical Unloading-induced Bone Resorption. <i>Journal of Biological Chemistry</i> , 2007, 282, 25509-25516.	3.4	22
26	Constitutively active PTH/PTHrP receptor specifically expressed in osteoblasts enhances bone formation induced by bone marrow ablation. <i>Journal of Cellular Physiology</i> , 2012, 227, 408-415.	4.1	22
27	Single-Cell Transcriptomic Analysis Reveals Developmental Relationships and Specific Markers of Mouse Periodontium Cellular Subsets. <i>Frontiers in Dental Medicine</i> , 2021, 2, .	1.4	16
28	Diverse contribution of <i>Col2a1</i> -expressing cells to the craniofacial skeletal cell lineages. <i>Orthodontics and Craniofacial Research</i> , 2017, 20, 44-49.	2.8	15
29	The collagen receptor, discoidin domain receptor 2, functions in Gli1-positive skeletal progenitors and chondrocytes to control bone development. <i>Bone Research</i> , 2022, 10, 11.	11.4	15
30	Mesenchymal Progenitor Cells for the Osteogenic Lineage. <i>Current Molecular Biology Reports</i> , 2015, 1, 95-100.	1.6	14
31	A three-dimensional analysis of primary failure of eruption in humans and mice. <i>Oral Diseases</i> , 2020, 26, 391-400.	3.0	14
32	Intercellular Interactions of an Adipogenic CXCL12-Expressing Stromal Cell Subset in Murine Bone Marrow. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1145-1158.	2.8	14
33	Bone regeneration via skeletal cell lineage plasticity: All hands mobilized for emergencies. <i>BioEssays</i> , 2021, 43, e2000202.	2.5	13
34	The hypertrophic chondrocyte: To be or not to be. <i>Histology and Histopathology</i> , 2021, , 18355.	0.7	13
35	Unveiling diversity of stem cells in dental pulp and apical papilla using mouse genetic models: a literature review. <i>Cell and Tissue Research</i> , 2021, 383, 603-616.	2.9	12
36	The Role of Wnt Signaling in Postnatal Tooth Root Development. <i>Frontiers in Dental Medicine</i> , 2021, 2, .	1.4	11

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37	The fate of Osterix-expressing mesenchymal cells in dental root formation and maintenance. <i>Orthodontics and Craniofacial Research</i> , 2017, 20, 39-43.	2.8	10
38	Flow Cytometry-Based Analysis of the Mouse Bone Marrow Stromal and Perivascular Compartment. <i>Methods in Molecular Biology</i> , 2021, 2308, 83-94.	0.9	9
39	Cranial Base Synchronosis: Chondrocytes at the Hub. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7817.	4.1	9
40	Toward Marrow Adipocytes: Adipogenic Trajectory of the Bone Marrow Stromal Cell Lineage. <i>Frontiers in Endocrinology</i> , 2022, 13, 882297.	3.5	4
41	Cranial Base Synchronosis Lacks PTHrP-Expressing Column-Forming Chondrocytes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7873.	4.1	4
42	Msx2 Marks Spatially Restricted Populations of Mesenchymal Precursors. <i>Journal of Dental Research</i> , 2018, 97, 1260-1267.	5.2	3
43	Synergy of single-cell sequencing analyses and in vivo lineage-tracing approaches: A new opportunity for stem cell biology. <i>Biocell</i> , 2022, 46, 1157-1162.	0.7	3
44	Single-Cell RNA Sequencing Leading to Breakthroughs in Musculoskeletal Research. <i>JBMR Plus</i> , 2022, 6, .	2.7	1
45	A role for fat precursors in the marrow. <i>ELife</i> , 2020, 9, .	6.0	0