

Andrei Chagin

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

7,118
citations

172207

29
h-index

143772

57
g-index

65
all docs

65
docs citations

65
times ranked

16795
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Repair of Damaged Articular Cartilage: Current Approaches and Future Directions. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2366.	1.8	179
3	A radical switch in clonality reveals a stem cell niche in the epiphyseal growth plate. <i>Nature</i> , 2019, 567, 234-238.	13.7	153
4	Dexamethasone Induces Apoptosis in Proliferative Chondrocytes through Activation of Caspases and Suppression of the Akt-Phosphatidylinositol 3-kinase Signaling Pathway. <i>Endocrinology</i> , 2005, 146, 1391-1397.	1.4	123
5	Targeted deletion of Atg5 in chondrocytes promotes age-related osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 627-631.	0.5	104
6	The role of the G protein-coupled receptor GPR30 in the effects of estrogen in ovariectomized mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E490-E496.	1.8	96
7	Superficial cells are self-renewing chondrocyte progenitors, which form the articular cartilage in juvenile mice. <i>FASEB Journal</i> , 2017, 31, 1067-1084.	0.2	92
8	Estrogen Receptor- β Inhibits Skeletal Growth and Has the Capacity to Mediate Growth Plate Fusion in Female Mice. <i>Journal of Bone and Mineral Research</i> , 2003, 19, 72-77.	3.1	89
9	Parathyroid hormone/parathyroid hormone-related protein receptor signaling is required for maintenance of the growth plate in postnatal life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 191-196.	3.3	89
10	Maresin 1 attenuates neuroinflammation in a mouse model of perioperative neurocognitive disorders. <i>British Journal of Anaesthesia</i> , 2019, 122, 350-360.	1.5	83
11	Mechanisms of Growth Plate Maturation and Epiphyseal Fusion. <i>Hormone Research in Paediatrics</i> , 2011, 75, 383-391.	0.8	82
12	Targeted Deletion of Autophagy Genes Atg5 or Atg7 in the Chondrocytes Promotes Caspase-Dependent Cell Death and Leads to Mild Growth Retardation. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 2249-2261.	3.1	75
13	Analysis of neural crest-derived clones reveals novel aspects of facial development. <i>Science Advances</i> , 2016, 2, e1600060.	4.7	68
14	The novel estrogen receptor G-protein-coupled receptor 30 is expressed in human bone. <i>Journal of Endocrinology</i> , 2008, 197, R1-R6.	1.2	66
15	GPR30 Estrogen Receptor Expression in the Growth Plate Declines as Puberty Progresses. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 4873-4877.	1.8	65
16	Locally produced estrogen promotes fetal rat metatarsal bone growth; an effect mediated through increased chondrocyte proliferation and decreased apoptosis. <i>Journal of Endocrinology</i> , 2006, 188, 193-203.	1.2	64
17	Additive Protective Effects of Estrogen and Androgen Treatment on Trabecular Bone in Ovariectomized Rats. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 1833-1839.	3.1	56
18	Effectors of mTOR-autophagy pathway: targeting cancer, affecting the skeleton. <i>Current Opinion in Pharmacology</i> , 2016, 28, 1-7.	1.7	56

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19	Schwann cell precursors contribute to skeletal formation during embryonic development in mice and zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15068-15073.	3.3	51
20	Niches for Skeletal Stem Cells of Mesenchymal Origin. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 592.	1.8	50
21	Oriented clonal cell dynamics enables accurate growth and shaping of vertebrate cartilage. <i>ELife</i> , 2017, 6, .	2.8	46
22	G-protein stimulatory subunit alpha and Gq/11 β G-proteins are both required to maintain quiescent stem-like chondrocytes. <i>Nature Communications</i> , 2014, 5, 3673.	5.8	41
23	Absence of GP130 cytokine receptor signaling causes extended St α 1/4 β -Wiedemann syndrome. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	41
24	Catch-up growth after dexamethasone withdrawal occurs in cultured postnatal rat metatarsal bones. <i>Journal of Endocrinology</i> , 2010, 204, 21-29.	1.2	40
25	Pharmacological inhibition of lysosomes activates the mTORC1 signaling pathway in chondrocytes in an autophagy-independent manner. <i>Autophagy</i> , 2015, 11, 1594-1607.	4.3	40
26	Tamoxifen induces permanent growth arrest through selective induction of apoptosis in growth plate chondrocytes in cultured rat metatarsal bones. <i>Bone</i> , 2007, 40, 1415-1424.	1.4	38
27	Dexamethasone differentially regulates Bcl-2 family proteins in human proliferative chondrocytes: Role of pro-apoptotic Bid. <i>Toxicology Letters</i> , 2014, 224, 196-200.	0.4	33
28	Proteasome Inhibition Up-regulates p53 and Apoptosis-Inducing Factor in Chondrocytes Causing Severe Growth Retardation in Mice. <i>Cancer Research</i> , 2007, 67, 10078-10086.	0.4	31
29	Oestrogen receptors and linear bone growth. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2007, 96, 1275-1279.	0.7	31
30	Genetic Regulation of the Growth Plate. <i>Frontiers in Endocrinology</i> , 2011, 2, 113.	1.5	29
31	Secondary ossification center induces and protects growth plate structure. <i>ELife</i> , 2020, 9, .	2.8	29
32	Tamoxifen Impairs Both Longitudinal and Cortical Bone Growth in Young Male Rats. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1267-1277.	3.1	28
33	Signals from the brain and olfactory epithelium control shaping of the mammalian nasal capsule cartilage. <i>ELife</i> , 2018, 7, .	2.8	28
34	Dietary nitrate attenuates high-fat diet-induced obesity via mechanisms involving higher adipocyte respiration and alterations in inflammatory status. <i>Redox Biology</i> , 2020, 28, 101387.	3.9	28
35	Postnatal skeletal growth is driven by the epiphyseal stem cell niche: potential implications to pediatrics. <i>Pediatric Research</i> , 2020, 87, 986-990.	1.1	25
36	Role of G-proteins in the differentiation of epiphyseal chondrocytes. <i>Journal of Molecular Endocrinology</i> , 2014, 53, R39-R45.	1.1	23

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37	Expression of vascular endothelial growth factor in the growth plate is stimulated by estradiol and increases during pubertal development. <i>Journal of Endocrinology</i> , 2010, 205, 61-68.	1.2	21
38	Novel KIAA0753 mutations extend the phenotype of skeletal ciliopathies. <i>Scientific Reports</i> , 2017, 7, 15585.	1.6	21
39	Epiphyseal Fusion in the Human Growth Plate Does not Involve Classical Apoptosis. <i>Pediatric Research</i> , 2009, 66, 654-659.	1.1	17
40	Activation of mTORC1 in chondrocytes does not affect proliferation or differentiation, but causes the resting zone of the growth plate to become disordered. <i>Bone Reports</i> , 2018, 8, 64-71.	0.2	17
41	Genes of Importance in the Hormonal Regulation of Growth Plate Cartilage. <i>Hormone Research in Paediatrics</i> , 2009, 71, 41-47.	0.8	16
42	Cartilage stem cells identified, but can they heal?. <i>Nature Reviews Rheumatology</i> , 2017, 13, 522-524.	3.5	16
43	The epiphyseal secondary ossification center: Evolution, development and function. <i>Bone</i> , 2021, 142, 115701.	1.4	16
44	Mice depleted of the coxsackievirus and adenovirus receptor display normal spermatogenesis and an intact bloodâ€“testis barrier. <i>Reproduction</i> , 2014, 147, 875-883.	1.1	15
45	Effects of alendronate and pamidronate on cultured rat metatarsal bones: Failure to prevent dexamethasone-induced growth retardation. <i>Bone</i> , 2008, 42, 702-709.	1.4	14
46	Genetic ablation of adenosine receptor A3 results in articular cartilage degeneration. <i>Journal of Molecular Medicine</i> , 2018, 96, 1049-1060.	1.7	13
47	Resveratrol Treatment Delays Growth Plate Fusion and Improves Bone Growth in Female Rabbits. <i>PLoS ONE</i> , 2013, 8, e67859.	1.1	12
48	Estrogens and growth: review. <i>Pediatric Endocrinology Reviews</i> , 2007, 4, 329-34.	1.2	12
49	A Shared Epitope of Collagen Type XI and Type II Is Recognized by Pathogenic Antibodies in Mice and Humans with Arthritis. <i>Frontiers in Immunology</i> , 2018, 9, 451.	2.2	10
50	Androgen Receptor Modulation Does Not Affect Longitudinal Growth of Cultured Fetal Rat Metatarsal Bones. <i>Hormone Research in Paediatrics</i> , 2009, 71, 219-227.	0.8	8
51	Effects of the selective GPER1 agonist G1 on bone growth. <i>Endocrine Connections</i> , 2019, 8, 1302-1309.	0.8	8
52	Epiphyseal Cartilage Formation Involves Differential Dynamics of Various Cellular Populations During Embryogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 122.	1.8	7
53	Insulin-like growth factor-1 restores dexamethasone-induced heart growth arrest in rats: the role of the ubiquitin pathway. <i>Hormones</i> , 2011, 10, 46-56.	0.9	4
54	Cruciate ligament, patellar tendon, and patella formation involves differential cellular sources and dynamics as joint cavitation proceeds. <i>Developmental Dynamics</i> , 2020, 249, 711-722.	0.8	4

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55	Implantation of Various Cell-Free Matrixes Does Not Contribute to the Restoration of Hyaline Cartilage within Full-Thickness Focal Defects. <i>International Journal of Molecular Sciences</i> , 2022, 23, 292.	1.8	3
56	Clonal Genetic Tracing using the Confetti Mouse to Study Mineralized Tissues. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	2
57	Internalization of growth factor-receptor complexes under the influence of antibodies initiates cell apoptosis in vitro. <i>European Journal of Cell Biology</i> , 1999, 78, 194-198.	1.6	1