Andrea Vortkamp

List of Publications by Year
in descending order

46 papers	3,216 citations	304368 22 h-index	288905 40 g-index
49 all docs	49 docs citations	49 times ranked	3969 citing authors

#	Article	IF	Citations
1	GLI3 zinc-finger gene interrupted by translocations in Greig syndrome families. Nature, 1991, 352, 539-540.	13.7	553
2	Interaction of FGF, Ihh/Pthlh, and BMP Signaling Integrates Chondrocyte Proliferation and Hypertrophic Differentiation. Developmental Cell, 2002, 3, 439-449.	3.1	414
3	BMP and Ihh/PTHrP signaling interact to coordinate chondrocyte proliferation and differentiation. Development (Cambridge), 2001, 128, 4523-4534.	1.2	382
4	Ext1-Dependent Heparan Sulfate Regulates the Range of Ihh Signaling during Endochondral Ossification. Developmental Cell, 2004, 6, 801-813.	3.1	255
5	A network of trans-cortical capillaries as mainstay for blood circulation in long bones. Nature Metabolism, 2019, 1, 236-250.	5.1	221
6	Gli3 acts as a repressor downstream of Ihh in regulating two distinct steps of chondrocyte differentiation. Development (Cambridge), 2005, 132, 5249-5260.	1.2	136
7	A mouse model of osteochondromagenesis from clonal inactivation of <i>Ext1</i> in chondrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2054-2059.	3.3	109
8	Inactivation of anoctamin-6/Tmem16f, a regulator of phosphatidylserine scrambling in osteoblasts, leads to decreased mineral deposition in skeletal tissues. Journal of Bone and Mineral Research, 2013, 28, 246-259.	3.1	106
9	Hedgehog signaling in skeletal development. Birth Defects Research Part C: Embryo Today Reviews, 2006, 78, 267-279.	3.6	96
10	Chondrocyte Proliferation and Differentiation. Endocrine Development, 2011, 21, 1-11.	1.3	93
11	Redundant function of the heparan sulfate 6â€Oâ€endosulfatases Sulf1 and Sulf2 during skeletal development. Developmental Dynamics, 2008, 237, 339-353.	0.8	82
12	Transcriptional networks controlling chondrocyte proliferation and differentiation during endochondral ossification. Pediatric Nephrology, 2010, 25, 625-631.	0.9	81
13	Trps1, a regulator of chondrocyte proliferation and differentiation, interacts with the activator form of Gli3. Developmental Biology, 2009, 328, 40-53.	0.9	75
14	Expression of Fgf and Tgfî² signaling related genes during embryonic endochondral ossification. Gene Expression Patterns, 2005, 6, 102-109.	0.3	58
15	Survival protein anoctaminâ€6 controls multiple platelet responses including phospholipid scrambling, swelling, and protein cleavage. FASEB Journal, 2016, 30, 727-737.	0.2	52
16	Ucma â€" A novel secreted factor represents a highly specific marker for distal chondrocytes. Matrix Biology, 2008, 27, 3-11.	1.5	46
17	Hoxa11 and Hoxd11 Regulate Chondrocyte Differentiation Upstream of Runx2 and Shox2 in Mice. PLoS ONE, 2012, 7, e43553.	1.1	43
18	Heparan sulfate as a regulator of endochondral ossification and osteochondroma development. Matrix Biology, 2014, 34, 55-63.	1.5	41

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19	Gli2 activator function in preosteoblasts is sufficient to mediate ihhâ€dependent osteoblast differentiation, whereas the repressor function of Gli2 is dispensable for endochondral ossification. Developmental Dynamics, 2010, 239, 1818-1826.	0.8	37
20	Anoctamin-6 Controls Bone Mineralization by Activating the Calcium Transporter NCX1. Journal of Biological Chemistry, 2015, 290, 6270-6280.	1.6	35
21	Expression of Trps1 during mouse embryonic development. Mechanisms of Development, 2002, 119, S117-S120.	1.7	33
22	Expression patterns of sulfatase genes in the developing mouse embryo. Developmental Dynamics, 2010, 239, 1779-1788.	0.8	25
23	Gene Expression Profiling Reveals Similarities between the Spatial Architectures of Postnatal Articular and Growth Plate Cartilage. PLoS ONE, 2014, 9, e103061.	1.1	25
24	Scramblase TMEM16F terminates T cell receptor signaling to restrict T cell exhaustion. Journal of Experimental Medicine, 2016, 213, 2759-2772.	4.2	25
25	The multi zinc-finger protein Trps1 acts as a regulator of histone deacetylation during mitosis. Cell Cycle, 2013, 12, 2219-2232.	1.3	24
26	Regulation of Calvarial Osteogenesis by Concomitant De-repression of GLI3 and Activation of IHH Targets. Frontiers in Physiology, 2017, 8, 1036.	1.3	24
27	Reprint of: Heparan sulfate as a regulator of endochondral ossification and osteochondroma development. Matrix Biology, 2014, 35, 239-247.	1.5	17
28	Altered heparan sulfate structure in Glceâˆ'/âˆ' mice leads to increased Hedgehog signaling in endochondral bones. Matrix Biology, 2016, 49, 82-92.	1.5	16
29	Wnt5a is a transcriptional target of Gli3 and Trps1 at the onset of chondrocyte hypertrophy. Developmental Biology, 2020, 457, 104-118.	0.9	14
30	A newly discovered stem cell that keeps bones growing. Nature, 2019, 567, 178-179.	13.7	13
31	Chondrocytes respond to an altered heparan sulfate composition with distinct changes of heparan sulfate structure and increased levels of chondroitin sulfate. Matrix Biology, 2020, 93, 43-59.	1.5	13
32	Inactivation of <i>Patched1</i> in Murine Chondrocytes Causes Spinal Fusion Without Inflammation. Arthritis and Rheumatology, 2014, 66, 831-840.	2.9	12
33	Cartilage Explant Cultures. Methods in Molecular Biology, 2014, 1130, 89-97.	0.4	11
34	Signaling systems affecting the severity of multiple osteochondromas. Bone, 2018, 111, 71-81.	1.4	11
35	Atoh8 acts as a regulator of chondrocyte proliferation and differentiation in endochondral bones. PLoS ONE, 2019, 14, e0218230.	1.1	11
36	Signaling Domain of Sonic Hedgehog as Cannibalistic Calcium-Regulated Zinc-Peptidase. PLoS Computational Biology, 2014, 10, e1003707.	1.5	10

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37	Fourâ€jointed knockâ€out delays renal failure in an ADPKD model with kidney injury. Journal of Pathology, 2019, 249, 114-125.	2.1	6
38	Epigenetic Mechanisms Mediating Cell State Transitions in Chondrocytes. Journal of Bone and Mineral Research, 2020, 36, 968-985.	3.1	4
39	Heparan Sulfate Deficiency in Cartilage: Enhanced BMP-Sensitivity, Proteoglycan Production and an Anti-Apoptotic Expression Signature after Loading. International Journal of Molecular Sciences, 2021, 22, 3726.	1.8	4
40	The role of growth factors in chondrogenesis and osteogenesis. Current Opinion in Orthopaedics, 2006, 17, 405-411.	0.3	1
41	Molecular Control of Cartilage Differentiation. , 2016, , 191-213.		0
42	Murine Limb Explant Cultures to Assess Cartilage Development. Methods in Molecular Biology, 2021, 2230, 139-149.	0.4	0
43	Atoh8 acts as a regulator of chondrocyte proliferation and differentiation in endochondral bones. , 2019, 14, e0218230.		0
44	Atoh8 acts as a regulator of chondrocyte proliferation and differentiation in endochondral bones. , 2019, 14, e0218230.		0
45	Atoh8 acts as a regulator of chondrocyte proliferation and differentiation in endochondral bones. , 2019, 14, e0218230.		0
46	Atoh8 acts as a regulator of chondrocyte proliferation and differentiation in endochondral bones. , 2019, 14, e0218230.		0