

Andrea Vortkamp

List of Publications by Year in descending order

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46
papers

3,216
citations

304743

22
h-index

289244

40
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49
all docs

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docs citations

49
times ranked

3969
citing authors

#	ARTICLE	IF	CITATIONS
1	GLI3 zinc-finger gene interrupted by translocations in Greig syndrome families. <i>Nature</i> , 1991, 352, 539-540.	27.8	553
2	Interaction of FGF, Ihh/Pthlh, and BMP Signaling Integrates Chondrocyte Proliferation and Hypertrophic Differentiation. <i>Developmental Cell</i> , 2002, 3, 439-449.	7.0	414
3	BMP and Ihh/PTHrP signaling interact to coordinate chondrocyte proliferation and differentiation. <i>Development (Cambridge)</i> , 2001, 128, 4523-4534.	2.5	382
4	Ext1-Dependent Heparan Sulfate Regulates the Range of Ihh Signaling during Endochondral Ossification. <i>Developmental Cell</i> , 2004, 6, 801-813.	7.0	255
5	A network of trans-cortical capillaries as mainstay for blood circulation in long bones. <i>Nature Metabolism</i> , 2019, 1, 236-250.	11.9	221
6	Gli3 acts as a repressor downstream of Ihh in regulating two distinct steps of chondrocyte differentiation. <i>Development (Cambridge)</i> , 2005, 132, 5249-5260.	2.5	136
7	A mouse model of osteochondromagenesis from clonal inactivation of <i>Ext1</i> in chondrocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2054-2059.	7.1	109
8	Inactivation of anoctamin-6/Tmem16f, a regulator of phosphatidylserine scrambling in osteoblasts, leads to decreased mineral deposition in skeletal tissues. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 246-259.	2.8	106
9	Hedgehog signaling in skeletal development. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2006, 78, 267-279.	3.6	96
10	Chondrocyte Proliferation and Differentiation. <i>Endocrine Development</i> , 2011, 21, 1-11.	1.3	93
11	Redundant function of the heparan sulfate 6-O-sulfatases Sulf1 and Sulf2 during skeletal development. <i>Developmental Dynamics</i> , 2008, 237, 339-353.	1.8	82
12	Transcriptional networks controlling chondrocyte proliferation and differentiation during endochondral ossification. <i>Pediatric Nephrology</i> , 2010, 25, 625-631.	1.7	81
13	Trps1, a regulator of chondrocyte proliferation and differentiation, interacts with the activator form of Gli3. <i>Developmental Biology</i> , 2009, 328, 40-53.	2.0	75
14	Expression of Fgf and Tgfr ² signaling related genes during embryonic endochondral ossification. <i>Gene Expression Patterns</i> , 2005, 6, 102-109.	0.8	58
15	Survival protein anoctamin-6 controls multiple platelet responses including phospholipid scrambling, swelling, and protein cleavage. <i>FASEB Journal</i> , 2016, 30, 727-737.	0.5	52
16	Ucma - A novel secreted factor represents a highly specific marker for distal chondrocytes. <i>Matrix Biology</i> , 2008, 27, 3-11.	3.6	46
17	Hoxa11 and Hoxd11 Regulate Chondrocyte Differentiation Upstream of Runx2 and Shox2 in Mice. <i>PLoS ONE</i> , 2012, 7, e43553.	2.5	43
18	Heparan sulfate as a regulator of endochondral ossification and osteochondroma development. <i>Matrix Biology</i> , 2014, 34, 55-63.	3.6	41

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19	Gli2 activator function in preosteoblasts is sufficient to mediate <i>ihh</i> -dependent osteoblast differentiation, whereas the repressor function of Gli2 is dispensable for endochondral ossification. <i>Developmental Dynamics</i> , 2010, 239, 1818-1826.	1.8	37
20	Anoctamin-6 Controls Bone Mineralization by Activating the Calcium Transporter NCX1. <i>Journal of Biological Chemistry</i> , 2015, 290, 6270-6280.	3.4	35
21	Expression of <i>Trps1</i> during mouse embryonic development. <i>Mechanisms of Development</i> , 2002, 119, S117-S120.	1.7	33
22	Expression patterns of sulfatase genes in the developing mouse embryo. <i>Developmental Dynamics</i> , 2010, 239, 1779-1788.	1.8	25
23	Gene Expression Profiling Reveals Similarities between the Spatial Architectures of Postnatal Articular and Growth Plate Cartilage. <i>PLoS ONE</i> , 2014, 9, e103061.	2.5	25
24	Scramblase TMEM16F terminates T cell receptor signaling to restrict T cell exhaustion. <i>Journal of Experimental Medicine</i> , 2016, 213, 2759-2772.	8.5	25
25	The multi zinc-finger protein <i>Trps1</i> acts as a regulator of histone deacetylation during mitosis. <i>Cell Cycle</i> , 2013, 12, 2219-2232.	2.6	24
26	Regulation of Calvarial Osteogenesis by Concomitant De-repression of <i>GLI3</i> and Activation of <i>IHH</i> Targets. <i>Frontiers in Physiology</i> , 2017, 8, 1036.	2.8	24
27	Reprint of: Heparan sulfate as a regulator of endochondral ossification and osteochondroma development. <i>Matrix Biology</i> , 2014, 35, 239-247.	3.6	17
28	Altered heparan sulfate structure in <i>Glc3^{ac}/ac</i> mice leads to increased Hedgehog signaling in endochondral bones. <i>Matrix Biology</i> , 2016, 49, 82-92.	3.6	16
29	<i>Wnt5a</i> is a transcriptional target of <i>Gli3</i> and <i>Trps1</i> at the onset of chondrocyte hypertrophy. <i>Developmental Biology</i> , 2020, 457, 104-118.	2.0	14
30	A newly discovered stem cell that keeps bones growing. <i>Nature</i> , 2019, 567, 178-179.	27.8	13
31	Chondrocytes respond to an altered heparan sulfate composition with distinct changes of heparan sulfate structure and increased levels of chondroitin sulfate. <i>Matrix Biology</i> , 2020, 93, 43-59.	3.6	13
32	Inactivation of <i>Patched1</i> in Murine Chondrocytes Causes Spinal Fusion Without Inflammation. <i>Arthritis and Rheumatology</i> , 2014, 66, 831-840.	5.6	12
33	Cartilage Explant Cultures. <i>Methods in Molecular Biology</i> , 2014, 1130, 89-97.	0.9	11
34	Signaling systems affecting the severity of multiple osteochondromas. <i>Bone</i> , 2018, 111, 71-81.	2.9	11
35	<i>Atoh8</i> acts as a regulator of chondrocyte proliferation and differentiation in endochondral bones. <i>PLoS ONE</i> , 2019, 14, e0218230.	2.5	11
36	Signaling Domain of Sonic Hedgehog as Cannibalistic Calcium-Regulated Zinc-Peptidase. <i>PLoS Computational Biology</i> , 2014, 10, e1003707.	3.2	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.	4.5	6
38	Epigenetic Mechanisms Mediating Cell State Transitions in Chondrocytes. Journal of Bone and Mineral Research, 2020, 36, 968-985.	2.8	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.	4.1	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.	0.9	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