Ronen Schweitzer

List of Publications by Year
in descending order

57 papers	7,792 citations	159358 30 h-index	214527 47 g-index
65 all docs	65 docs citations	65 times ranked	6991 citing authors

#	Article	IF	Citations
1	p63 is essential for regenerative proliferation in limb, craniofacial and epithelial development. Nature, 1999, 398, 714-718.	13.7	2,082
2	Analysis of the tendon cell fate using Scleraxis, a specific marker for tendons and ligaments. Development (Cambridge), 2001, 128, 3855-3866.	1.2	749
3	Regulation of tendon differentiation by scleraxis distinguishes force-transmitting tendons from muscle-anchoring tendons. Development (Cambridge), 2007, 134, 2697-2708.	1.2	490
4	A Somitic Compartment of Tendon Progenitors. Cell, 2003, 113, 235-248.	13.5	487
5	Recruitment and maintenance of tendon progenitors by TGFÎ² signaling are essential for tendon formation. Development (Cambridge), 2009, 136, 1351-1361.	1.2	371
6	Conversion of Mechanical Force into TGF-Î²-Mediated Biochemical Signals. Current Biology, 2011, 21, 933-941.	1.8	316
7	Secreted Spitz triggers the DER signaling pathway and is a limiting component in embryonic ventral ectoderm determination.. Genes and Development, 1995, 9, 1518-1529.	2.7	301
8	Bone Ridge Patterning during Musculoskeletal Assembly Is Mediated through SCX Regulation of Bmp4 at the Tendon-Skeleton Junction. Developmental Cell, 2009, 17, 861-873.	3.1	270
9	A thousand and one roles for the Drosophila EGF receptor. Trends in Genetics, 1997, 13, 191-196.	2.9	255
10	Generation of transgenic tendon reporters, ScxGFP and ScxAP, using regulatory elements of the scleraxis gene. Developmental Dynamics, 2007, 236, 1677-1682.	0.8	253
11	Inhibition of Drosophila EGF receptor activation by the secreted protein Argos. Nature, 1995, 376, 699-702.	13.7	250
12	Connecting muscles to tendons: tendons and musculoskeletal development in flies and vertebrates. Development (Cambridge), 2010, 137, 2807-2817.	1.2	216
13	Transcriptomic analysis of mouse limb tendon cells during development. Development (Cambridge), 2014, 141, 3683-3696.	1.2	152
14	The Atypical Homeodomain Transcription Factor Mohawk Controls Tendon Morphogenesis. Molecular and Cellular Biology, 2010, 30, 4797-4807.	1.1	145
15	Hic1 Defines Quiescent Mesenchymal Progenitor Subpopulations with Distinct Functions and Fates in Skeletal Muscle Regeneration. Cell Stem Cell, 2019, 25, 797-813.e9.	5.2	145
16	Pitx1 determines the morphology of muscle, tendon, and bones of the hindlimb. Developmental Biology, 2006, 299, 22-34.	0.9	131
17	Molecular regulation of tendon cell fate during development. Journal of Orthopaedic Research, 2015, 33, 800-812.	1.2	101
18	In vitro whole-organ imaging: 4D quantification of growing mouse limb buds. Nature Methods, 2008, 5, 609-612.	9.0	95

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19	Transcription factor scleraxis vitally contributes to progenitor lineage direction in wound healing of adult tendon in mice. Journal of Biological Chemistry, 2018, 293, 5766-5780.	1.6	88
20	Musculoskeletal integration at the wrist underlies modular development of limb tendons. Development (Cambridge), 2015, 142, 2431-41.	1.2	79
21	On the development of the patella. Development (Cambridge), 2015, 142, 1831-1839.	1.2	67
22	Tgfî² signaling is critical for maintenance of the tendon cell fate. ELife, 2020, 9, .	2.8	62
23	The transcription factor scleraxis is a critical regulator of cardiac fibroblast phenotype. BMC Biology, 2016, 14, 21.	1.7	61
24	EGF domain swap converts a Drosophila EGF receptor activator into anÂinhibitor. Genes and Development, 1998, 12, 908-913.	2.7	55
25	Repositioning Forelimb Superficialis Muscles: Tendon Attachment and Muscle Activity Enable Active Relocation of Functional Myofibers. Developmental Cell, 2013, 26, 544-551.	3.1	47
26	Requirement for Scleraxis in the recruitment of mesenchymal progenitors during embryonic tendon elongation. Development (Cambridge), 2019, 146, .	1.2	41
27	Tubulin polymerizationâ€promoting protein family member 3, Tppp3, is a specific marker of the differentiating tendon sheath and synovial joints. Developmental Dynamics, 2009, 238, 685-692.	0.8	40
28	Development of migrating tendon-bone attachments involves replacement of progenitor populations. Development (Cambridge), 2018, 145, .	1.2	40
29	Uncoupling skeletal and connective tissue patterning: conditional deletion in cartilage progenitors reveals cell-autonomous requirements for <i>Lmx1b</i> in dorsal-ventral limb patterning. Development (Cambridge), 2010, 137, 1181-1188.	1.2	36
30	Activation of AKT-mTOR Signaling Directs Tenogenesis of Mesenchymal Stem Cells. Stem Cells, 2018, 36, 527-539.	1.4	36
31	Similar expression and regulation of Gli2 and Gli3 in the chick limb bud. Mechanisms of Development, 2000, 98, 171-174.	1.7	32
32	Developmental fate of the mammalian myotome. Developmental Dynamics, 2010, 239, 2898-2910.	0.8	30
33	Differentiating zones at periodontal ligamentâ€“bone and periodontal ligamentâ€“cementum entheses. Journal of Periodontal Research, 2015, 50, 870-880.	1.4	29
34	Unexpected contribution of fibroblasts to muscle lineage as a mechanism for limb muscle patterning. Nature Communications, 2021, 12, 3851.	5.8	29
35	FGF signaling patterns cell fate at the interface between tendon and bone. Development (Cambridge), 2019, 146, .	1.2	28
36	Tendons and muscles of the mouse forelimb during embryonic development. Developmental Dynamics, 2009, 238, 693-700.	0.8	27

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37	Cloning and expression of a novel cysteine-rich secreted protein family member expressed in thyroid and pancreatic mesoderm within the chicken embryo. Mechanisms of Development, 2001, 102, 223-226.	1.7	25
38	Limb- and tendon-specific Adamtsl2 deletion identifies a role for ADAMTSL2 in tendon growth in a mouse model for geleophysic dysplasia. Matrix Biology, 2019, 82, 38-53.	1.5	21
39	Local retinoic acid signaling directs emergence of the extraocular muscle functional unit. PLoS Biology, 2020, 18, e3000902.	2.6	21
40	Integration of CREB and bHLH transcriptional signaling pathways through direct heterodimerization of the proteins: Role in muscle and testis development. Molecular Reproduction and Development, 2008, 75, 1637-1652.	1.0	19
41	Scleraxis is Required for Differentiation of the Stapedius and Tensor Tympani Tendons of the Middle Ear. JARO - Journal of the Association for Research in Otolaryngology, 2011, 12, 407-421.	0.9	19
42	mTORC1 Signaling is a Critical Regulator of Postnatal Tendon Development. Scientific Reports, 2017, 7, 17175.	1.6	19
43	Connecting muscles to tendons: tendons and musculoskeletal development in flies and vertebrates. Development (Cambridge), 2010, 137, 3347-3347.	1.2	9
44	Loss of Smad4 in the scleraxis cell lineage results in postnatal joint contracture. Developmental Biology, 2021, 470, 108-120.	0.9	8
45	Cell autonomous TGFÎ² signaling is essential for stem/progenitor cell recruitment into degenerative tendons. Stem Cell Reports, 2021, 16, 2942-2957.	2.3	6
46	<i>Ezh2</i> Is Essential for Patterning of Multiple Musculoskeletal Tissues but Dispensable for Tendon Differentiation. Stem Cells and Development, 2021, 30, 601-609.	1.1	4
47	Localized chondro-ossification underlies joint dysfunction and motor deficits in the <i>Fkbp10</i> mouse model of osteogenesis imperfecta. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	3
48	The dynamic organizer. Nature Cell Biology, 1999, 1, E179-E181.	4.6	1
49	Lineage Tracing Reveals a New Model for Tendon Growth and Elongation During Development. , 2012, , .		0
50	Regulation of musculoskeletal integration and coordinated growth. Osteoarthritis and Cartilage, 2018, 26, S2-S3.	0.6	0
51	Identification of novel scleraxis gene targets in cardiac myofibroblasts. FASEB Journal, 2013, 27, 1129.13.	0.2	0
52	Local retinoic acid signaling directs emergence of the extraocular muscle functional unit. , 2020, 18, e3000902.		0
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