

Esmeralda Blaney Davidson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8862973/publications.pdf>

Version: 2024-02-01

77
papers

2,701
citations

218677

26
h-index

189892

50
g-index

77
all docs

77
docs citations

77
times ranked

3324
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Transcription Factors Responsible for a Transforming Growth Factor- β -Driven Hypertrophy-like Phenotype in Human Osteoarthritic Chondrocytes. <i>Cells</i> , 2022, 11, 1232.	4.1	9
2	Innate Immunity at the Core of Sex Differences in Osteoarthritic Pain?. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	4
3	Increased IL-6 receptor expression and signaling in ageing cartilage can be explained by loss of TGF- β -mediated IL-6 receptor suppression. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 773-782.	1.3	7
4	Osteoarthritis-Related Inflammation Blocks TGF- β 's Protective Effect on Chondrocyte Hypertrophy via (de)Phosphorylation of the SMAD2/3 Linker Region. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8124.	4.1	12
5	Protocol of the Healthy Brain Study: An accessible resource for understanding the human brain and how it dynamically and individually operates in its bio-social context. <i>PLoS ONE</i> , 2021, 16, e0260952.	2.5	8
6	A roadmap to target interleukin-6 in osteoarthritis. <i>Rheumatology</i> , 2020, 59, 2681-2694.	1.9	72
7	The alarmins S100A8 and S100A9 mediate acute pain in experimental synovitis. <i>Arthritis Research and Therapy</i> , 2020, 22, 199.	3.5	7
8	S100A9 induces nociceptive pain but is not involved in allodynia in acute experimental synovitis. <i>Osteoarthritis and Cartilage</i> , 2019, 27, S75.	1.3	0
9	IL37 ameliorates experimental murine osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2019, 27, S483-S484.	1.3	0
10	TGF- β dampens IL-6 signaling in articular chondrocytes by decreasing IL-6 receptor expression. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 1197-1207.	1.3	42
11	P151...Nociceptive pain in acute experimental synovitis is partly mediated by the alarmin S100A9. , 2019, , .		0
12	FRI0526...IL37 AMELIORATES EXPERIMENTAL MURINE OSTEOARTHRITIS. , 2019, , .		0
13	IL-37 diminishes proteoglycan loss in human OA cartilage: donor-specific link between IL-37 and MMP-3. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 148-157.	1.3	12
14	The level of synovial AXL expression determines the outcome of inflammatory arthritis, possibly depending on the upstream role of TGF- β 1. <i>Rheumatology</i> , 2019, 58, 536-546.	1.9	17
15	O012...Joint-specific synovial TGF- β 1-induced AXL expression determines the outcome of inflammatory arthritis between ankle and knee joints. , 2018, , .		0
16	Chondrogenic differentiation of bone marrow-derived mesenchymal stem cells with TGF-BETA, BMP2, GDF5 or combinations thereof does not result in a nucleus pulposus cell phenotype. <i>Osteoarthritis and Cartilage</i> , 2018, 26, S420-S421.	1.3	0
17	Identification of TGF- β -related genes regulated in murine osteoarthritis and chondrocyte hypertrophy by comparison of multiple microarray datasets. <i>Bone</i> , 2018, 116, 67-77.	2.9	6
18	Treatment of collagenase-induced osteoarthritis with a viral vector encoding TSG-6 results in ectopic bone formation. <i>PeerJ</i> , 2018, 6, e4771.	2.0	7

#	ARTICLE	IF	CITATIONS
19	OP0225â€¦S100a9 mediates acute nociceptive pain in experimental synovitis. , 2018, , .		0
20	Osteoarthritis year in review 2016: biology. Osteoarthritis and Cartilage, 2017, 25, 175-180.	1.3	39
21	Activin and Nodal Are Not Suitable Alternatives to TGFÎ² for Chondrogenic Differentiation of Mesenchymal Stem Cells. Cartilage, 2017, 8, 432-438.	2.7	5
22	SMAD3 and SMAD4 have a more dominant role than SMAD2 in TGFÎ²-induced chondrogenic differentiation of bone marrow-derived mesenchymal stem cells. Scientific Reports, 2017, 7, 43164.	3.3	39
23	Interleukin 1 Î²-induced SMAD2/3 linker modifications are TAK1 dependent and delay TGFÎ² signaling in primary human mesenchymal stem cells. Cellular Signalling, 2017, 40, 190-199.	3.6	14
24	SMAD3 and smad4 have a more dominant role than smad2 in chondrogenic induction of mesenchymal stem cells. Osteoarthritis and Cartilage, 2017, 25, S166-S167.	1.3	0
25	Identification of TGFÎ²-related genes regulated in murine osteoarthritis and chondrocyte hypertrophy by comparing multiple microarray datasets. Osteoarthritis and Cartilage, 2017, 25, S211-S212.	1.3	0
26	Inflammation induced SMAD2/3 linker modifications alter TGFÎ² signaling dynamics via TAK1. Osteoarthritis and Cartilage, 2017, 25, S163-S164.	1.3	0
27	04.18â€¦Bmp2-induced osteophyte formation is facilitated by tgfb2 but not by inflammatory factors. , 2017, , .		0
28	Transcriptional profiling distinguishes inner and outer annulus fibrosus from nucleus pulposus in the bovine intervertebral disc. European Spine Journal, 2017, 26, 2053-2062.	2.2	48
29	TGFÎ²1-induced SMAD2/3 and SMAD1/5 phosphorylation are both ALK5-kinase-dependent in primary chondrocytes and mediated by TAK1 kinase activity. Arthritis Research and Therapy, 2017, 19, 112.	3.5	49
30	02.26â€¦Increased expression of s100a9 regulates pain response during experimentally induced acute synovitis. , 2017, , .		0
31	IL37 dampens the IL1Î²-induced catabolic status of human OA chondrocytes. Rheumatology, 2016, 56, kew411.	1.9	7
32	Inflammatory factors do not enable BMP2-induced osteophyte formation. Osteoarthritis and Cartilage, 2016, 24, S396.	1.3	0
33	IL37 suppresses IL-1Î²-induced pro-inflammatory cytokine and catabolic enzyme production in primary human oa chondrocytes: protection against cartilage degradation. Osteoarthritis and Cartilage, 2016, 24, S336-S337.	1.3	0
34	Year in review: osteoarthritis biology. Osteoarthritis and Cartilage, 2016, 24, S6.	1.3	0
35	Milk extracellular vesicles accelerate osteoblastogenesis but impair bone matrix formation. Journal of Nutritional Biochemistry, 2016, 30, 74-84.	4.2	40
36	Ageing is associated with reduction of mechanically-induced activation of Smad2/3P signaling in articular cartilage. Osteoarthritis and Cartilage, 2016, 24, 146-157.	1.3	44

#	ARTICLE	IF	CITATIONS
37	A4.6â€¦TGF-Î² is a potent inducer of nerve growth factor in articular cartilage via the ALK5-SMAD2/3 pathway. Potential role in OA related pain?. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, A38.2-A38.	0.9	1
38	Cross-talk between bone morphogenetic proteins and inflammatory pathways. <i>Arthritis Research and Therapy</i> , 2015, 17, 326.	3.5	8
39	A role for TGF-Î² in osteoarthritis-related pain?. <i>International Journal of Clinical Rheumatology</i> , 2015, 10, 309-311.	0.3	0
40	TGFÎ², Activin A and nodal activate SMAD2/3 signaling in mesenchymal stem cells, but only TGFÎ² initiates chondrogenic differentiation. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A381.	1.3	0
41	TGF-Î² is a potent inducer of Nerve Growth Factor in articular cartilage via the ALK5-Smad2/3 pathway. Potential role in OA related pain?. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 478-486.	1.3	66
42	Unravelling osteoarthritis-related synovial fibrosis: a step closer to solving joint stiffness. <i>Rheumatology</i> , 2015, 54, 1954-1963.	1.9	83
43	WISP1 aggravates osteoarthritis by modulation of TGF-beta signaling and positive regulation of canonical Wnt signaling. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A44-A45.	1.3	3
44	Activin receptor-like kinase ALK5 and ALK1 are both required for TGFÎ²-initiated chondrogenic differentiation of mesenchymal stem cells. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A79.	1.3	1
45	TGF-Î² is a potent inducer of nerve growth factor in articular cartilage via the ALK5-Smad2/3 pathway. potential role in OA related pain?. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A62.	1.3	0
46	TGF-beta blocks chondrocyte hypertrophy and maintains cell viability in cultured cartilage explants but does not protect against proteoglycan loss. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A137-A138.	1.3	4
47	Activin Receptor-Like Kinase Receptors ALK5 and ALK1 Are Both Required for TGFÎ²-Induced Chondrogenic Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells. <i>PLoS ONE</i> , 2015, 10, e0146124.	2.5	36
48	Elevated levels of BMP2 compensate for loss of TGF-beta on proteoglycan level in articular cartilage during experimental osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2014, 22, S342.	1.3	0
49	TGFÎ² modulates its own signaling in chondrogenic cells by inducing ALK5 and dampening ALK1. <i>Osteoarthritis and Cartilage</i> , 2014, 22, S440-S441.	1.3	0
50	TGF-ÅŸ induces Lysyl hydroxylase 2b in human synovial osteoarthritic fibroblasts through ALK5 signaling. <i>Cell and Tissue Research</i> , 2014, 355, 163-171.	2.9	57
51	Canonical Wnt signaling skews TGF-Î² signaling in chondrocytes towards signaling via ALK1 and Smad 1/5/8. <i>Cellular Signalling</i> , 2014, 26, 951-958.	3.6	64
52	How to build an inducible cartilage-specific transgenic mouse. <i>Arthritis Research and Therapy</i> , 2014, 16, 210.	3.5	10
53	BMP2 requires TGF-beta to induce osteophytes during experimental OA. <i>Osteoarthritis and Cartilage</i> , 2014, 22, S16-S17.	1.3	0
54	WNT and WISP1 expression in the synovium induces production of cartilage-degrading metalloproteinases by synovial cells. <i>Osteoarthritis and Cartilage</i> , 2014, 22, S447-S448.	1.3	1

#	ARTICLE	IF	CITATIONS
55	Physiological and excessive mechanical compression of articular cartilage activates Smad2/3P signaling. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 1018-1025.	1.3	49
56	Inducible chondrocyte-specific overexpression of BMP2 in young mice results in severe aggravation of osteophyte formation in experimental OA without altering cartilage damage. <i>Osteoarthritis and Cartilage</i> , 2013, 21, S67.	1.3	2
57	Synovial Wnt and WISP1 expression induces cartilage damage by skewing of TGF-beta signaling via the canonical Wnt signaling pathway. <i>Osteoarthritis and Cartilage</i> , 2013, 21, S54.	1.3	1
58	Gene expression analysis of OA synovium reveals elevation of TGF- β responsive genes in OA-related fibrosis. <i>Osteoarthritis and Cartilage</i> , 2013, 21, S285-S286.	1.3	0
59	Osteoarthritis-related fibrosis is associated with both elevated pyridinoline cross-link formation and lysyl hydroxylase 2b expression. <i>Osteoarthritis and Cartilage</i> , 2013, 21, 157-164.	1.3	64
60	AB0120â€¦Elevated LYSYL hydroxylase 2B expression and pyridinoline cross-link formation in collagenase-induced OA; the cause of OA-related fibrosis?. <i>Annals of the Rheumatic Diseases</i> , 2013, 71, 644.10-644.	0.9	0
61	Acute Acetaminophen Intoxication Leads to Hepatic Iron Loading by Decreased Hepcidin Synthesis. <i>Toxicological Sciences</i> , 2012, 129, 225-233.	3.1	17
62	Catabolic Factors and Osteoarthritis-Conditioned Medium Inhibit Chondrogenesis of Human Mesenchymal Stem Cells. <i>Tissue Engineering - Part A</i> , 2012, 18, 45-54.	3.1	81
63	The RNA-Binding Protein Human Antigen R Controls Global Changes in Gene Expression during Schwann Cell Development. <i>Journal of Neuroscience</i> , 2012, 32, 4944-4958.	3.6	12
64	Deleterious interaction between BMP2 and TGF-beta signaling in articular chondrocytes: harmful role for BMP2 in OA?. <i>Osteoarthritis and Cartilage</i> , 2012, 20, S138.	1.3	0
65	Synovial Wnt AND WISP1 expression induces cartilage damage by skewing of TGF-beta signaling and reduction of the anti-hypertrophic factor Sox9. <i>Osteoarthritis and Cartilage</i> , 2012, 20, S25.	1.3	0
66	Age-dependent alteration of TGF- β ² signalling in osteoarthritis. <i>Cell and Tissue Research</i> , 2012, 347, 257-265.	2.9	119
67	73 SYNOVIAL OVEREXPRESSION OF WNTS AND WISP1 LEADS TO OA-LIKE CARTILAGE DAMAGE AND CHONDROCYTE PHENOTYPE CHANGE BY SKEWED TGF-BETA SIGNALING. <i>Osteoarthritis and Cartilage</i> , 2011, 19, S39.	1.3	0
68	Smad Signaling Determines Chondrogenic Differentiation of Bone-Marrow-Derived Mesenchymal Stem Cells: Inhibition of Smad1/5/8P Prevents Terminal Differentiation and Calcification. <i>Tissue Engineering - Part A</i> , 2011, 17, 1157-1167.	3.1	149
69	055 SYNOVIAL EXPRESSION OF CANONICALWNT INDUCES CHONDROCYTE PHENOTYPE CHANGE AND OA-LIKE CARTILAGE DAMAGE. <i>Osteoarthritis and Cartilage</i> , 2010, 18, S32-S33.	1.3	0
70	Bone Morphogenetic Proteins and articular cartilage. <i>Osteoarthritis and Cartilage</i> , 2010, 18, 735-741.	1.3	99
71	A role for age-related changes in TGF β ² signaling in aberrant chondrocyte differentiation and osteoarthritis. <i>Arthritis Research and Therapy</i> , 2010, 12, 201.	3.5	106
72	TGF-beta signaling in chondrocyte terminal differentiation and osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2009, 17, 1539-1545.	1.3	239

#	ARTICLE	IF	CITATIONS
73	Increase in ALK1/ALK5 Ratio as a Cause for Elevated MMP-13 Expression in Osteoarthritis in Humans and Mice. <i>Journal of Immunology</i> , 2009, 182, 7937-7945.	0.8	251
74	Elevated extracellular matrix production and degradation upon bone morphogenetic protein-2 (BMP-2) stimulation point toward a role for BMP-2 in cartilage repair and remodeling. <i>Arthritis Research and Therapy</i> , 2007, 9, R102.	3.5	93
75	TGF- β 2 and osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2007, 15, 597-604.	1.3	337
76	TGF beta-induced cartilage repair is maintained but fibrosis is blocked in the presence of Smad7. <i>Arthritis Research and Therapy</i> , 2006, 8, R65.	3.5	81
77	Reduced transforming growth factor-beta signaling in cartilage of old mice: role in impaired repair capacity. <i>Arthritis Research and Therapy</i> , 2005, 7, R1338.	3.5	179