Martijn H J Van Den Bosch

List of Publications by Year
in descending order

55 papers	1,214 citations	430874 18 h-index	395702 33 g-index
55 all docs	55 docs citations	55 times ranked	1543 citing authors

#	Article	IF	Citations
1	Alarmins S100A8 and S100A9 elicit a catabolic effect in human osteoarthritic chondrocytes that is dependent on Tollâ€like receptor 4. Arthritis and Rheumatism, 2012, 64, 1477-1487.	6.7	168
2	Osteoarthritis year in review 2020: biology. Osteoarthritis and Cartilage, 2021, 29, 143-150.	1.3	111
3	Inflammation in osteoarthritis: is it time to dampen the alarm(in) in this debilitating disease?. Clinical and Experimental Immunology, 2019, 195, 153-166.	2.6	79
4	Alarmins S100A8/S100A9 aggravate osteophyte formation in experimental osteoarthritis and predict osteophyte progression in early human symptomatic osteoarthritis. Annals of the Rheumatic Diseases, 2016, 75, 218-225.	0.9	73
5	Prophylactic treatment with S100A9 inhibitor paquinimod reduces pathology in experimental collagenase-induced osteoarthritis. Annals of the Rheumatic Diseases, 2015, 74, 2254-2258.	0.9	69
6	Canonical Wnt signaling skews TGF-Î² signaling in chondrocytes towards signaling via ALK1 and Smad 1/5/8. Cellular Signalling, 2014, 26, 951-958.	3.6	64
7	Identifying effector molecules, cells, and cytokines of innate immunity in OA. Osteoarthritis and Cartilage, 2020, 28, 532-543.	1.3	64
8	Alarmin S100A9 Induces Proinflammatory and Catabolic Effects Predominantly in the M1 Macrophages of Human Osteoarthritic Synovium. Journal of Rheumatology, 2016, 43, 1874-1884.	2.0	58
9	Induction of Canonical Wnt Signaling by Synovial Overexpression of Selected Wnts Leads to Protease Activity and Early Osteoarthritis-Like Cartilage Damage. American Journal of Pathology, 2015, 185, 1970-1980.	3.8	55
10	High LDL levels lead to increased synovial inflammation and accelerated ectopic bone formation during experimental osteoarthritis. Osteoarthritis and Cartilage, 2016, 24, 844-855.	1.3	53
11	Interleukin-1 is not involved in synovial inflammation and cartilage destruction in collagenase-induced osteoarthritis. Osteoarthritis and Cartilage, 2017, 25, 385-396.	1.3	52
12	Macrophage-Derived Extracellular Vesicles as Carriers of Alarmins and Their Potential Involvement in Bone Homeostasis. Frontiers in Immunology, 2019, 10, 1901.	4.8	37
13	WISP1/CCN4 aggravates cartilage degeneration in experimental osteoarthritis. Osteoarthritis and Cartilage, 2017, 25, 1900-1911.	1.3	34
14	S100A8/A9 increases the mobilization of pro-inflammatory Ly6Chigh monocytes to the synovium during experimental osteoarthritis. Arthritis Research and Therapy, 2017, 19, 217.	3.5	31
15	Induction of Canonical Wnt Signaling by the Alarmins S100A8/A9 in Murine Knee Joints: Implications for Osteoarthritis. Arthritis and Rheumatology, 2016, 68, 152-163.	5.6	29
16	Wnts talking with the TGF-Î² superfamily: WISPers about modulation of osteoarthritis. Rheumatology, 2016, 55, 1536-1547.	1.9	28
17	Brief Report: Induction of Matrix Metalloproteinase Expression by Synovial Wnt Signaling and Association With Disease Progression in Early Symptomatic Osteoarthritis. Arthritis and Rheumatology, 2017, 69, 1978-1983.	5.6	26
18	Imaging, myeloid precursor immortalization, and genome editing for defining mechanisms of leukocyte recruitment in vivo. Theranostics, 2018, 8, 2407-2423.	10.0	23

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19	S100A8/A9, a potent serum and molecular imaging biomarker for synovial inflammation and joint destruction in seronegative experimental arthritis. Arthritis Research and Therapy, 2016, 18, 247.	3.5	20
20	IL-1Î²-Mediated Activation of Adipose-Derived Mesenchymal Stromal Cells Results in PMN Reallocation and Enhanced Phagocytosis: A Possible Mechanism for the Reduction of Osteoarthritis Pathology. Frontiers in Immunology, 2019, 10, 1075.	4.8	16
21	The role of inflammation in mesenchymal stromal cell therapy in osteoarthritis, perspectives for post-traumatic osteoarthritis: a review. Rheumatology, 2021, 60, 1042-1053.	1.9	15
22	The role of NOX2-derived reactive oxygen species in collagenase-induced osteoarthritis. Osteoarthritis and Cartilage, 2018, 26, 1722-1732.	1.3	14
23	Fc-gamma receptors and S100A8/A9 cause bone erosion during rheumatoid arthritis. Do they act as partners in crime?. Rheumatology, 2019, 58, 1331-1343.	1.9	14
24	FcÎ³ receptor-mediated influx of S100A8/A9-producing neutrophils as inducer of bone erosion during antigen-induced arthritis. Arthritis Research and Therapy, 2018, 20, 80.	3.5	13
25	Increased WISP1 expression in human osteoarthritic articular cartilage is epigenetically regulated and decreases cartilage matrix production. Rheumatology, 2019, 58, 1065-1074.	1.9	13
26	The alarmin S100A9 hampers osteoclast differentiation from human circulating precursors by reducing the expression of RANK. FASEB Journal, 2019, 33, 10104-10115.	0.5	9
27	A human in vitro 3D neo-cartilage model to explore the response of OA risk genes to hyper-physiological mechanical stress. Osteoarthritis and Cartilage Open, 2022, 4, 100231.	2.0	8
28	Nox2 Deficiency Reduces Cartilage Damage and Ectopic Bone Formation in an Experimental Model for Osteoarthritis. Antioxidants, 2021, 10, 1660.	5.1	7
29	Increase in the Number of Bone Marrow Osteoclast Precursors at Different Skeletal Sites, Particularly in Long Bone and Jaw Marrow in Mice Lacking IL-1RA. International Journal of Molecular Sciences, 2020, 21, 3774.	4.1	6
30	Novel high-intensive cholesterol-lowering therapies do not ameliorate knee OA development in humanized dyslipidemic mice. Osteoarthritis and Cartilage, 2021, 29, 1314-1323.	1.3	6
31	High LDL levels lessen bone destruction during antigen-induced arthritis by inhibiting osteoclast formation and function. Bone, 2020, 130, 115140.	2.9	4
32	S100A8/A9 is not essential for the development of inflammation and joint pathology in interleukin-1 receptor antagonist knockout mice. Arthritis Research and Therapy, 2021, 23, 216.	3.5	3
33	A single dose of anti-IL-1Î² antibodies prevents Western diet-induced immune activation during early stage collagenase-induced osteoarthritis, but does not ameliorate end-stage pathology. Osteoarthritis and Cartilage, 2021, 29, 1462-1473.	1.3	3
34	Identification of synovial genes and pathways associated with disease progression in a cohort of early osteoarthritis patients (check). Osteoarthritis and Cartilage, 2014, 22, S23-S24.	1.3	2
35	Alarmins S100A8/S100A9 stimulate osteophyte formation in experimental osteoarthritis and predict osteophyte progression in the check cohort of early human osteoarthritis patients. Osteoarthritis and Cartilage, 2014, 22, S303.	1.3	2
36	Synovial Wnt and WISP1 expression induces cartilage damage by skewing of TGF-beta signaling via the canonical Wnt signaling pathway. Osteoarthritis and Cartilage, 2013, 21, S54.	1.3	1

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37	Transcriptomics on synovial specimen of early human (check) and experimental OA to identify pathways and processes associated with cartilage damage. Osteoarthritis and Cartilage, 2013, 21, S42-S43.	1.3	1
38	S100A8/A9 increases the mobilization of Ly6C high monocytes to the synovium during experimental osteoarthritis. Osteoarthritis and Cartilage, 2017, 25, S47-S48.	1.3	1
39	FRI0528â€…HIGH INTENSIVE THERAPEUTIC LOWERING OF SYSTEMIC CHOLESTEROL DOES NOT AMELIORATE OA DEVELOPMENT IN KNEE JOINTS OF HUMANIZED DYSLIPIDEMIC MICE. , 2019, , .		1
40	High LDL-C levels attenuate onset of inflammation and cartilage destruction in antigen-induced arthritis. Clinical and Experimental Rheumatology, 2019, 37, 983-993.	0.8	1
41	055 SYNOVIAL EXPRESSION OF CANONICALWNT INDUCES CHONDROCYTE PHENOTYPE CHANGE AND OA-LIKE CARTILAGE DAMAGE. Osteoarthritis and Cartilage, 2010, 18, S32-S33.	1.3	0
42	Microarray studies of synovial specimen of early human (check) and experimental OA identify pathways and processes associated with cartilage damage. Osteoarthritis and Cartilage, 2012, 20, S41-S42.	1.3	0
43	A5.11â€…alarmins S100A8/S100A9 stimulate osteophyte formation in experimental osteoarthritis and predict osteophyte progression in early human osteoarthritis. Annals of the Rheumatic Diseases, 2014, 73, A67.2-A67.	0.9	0
44	A9.13â€…systemic LDL cholesterol-accumulation during experimental oa leads to increased synovial thickening, s100a8/9 production and ectopic bone formation. Annals of the Rheumatic Diseases, 2014, 73, A97.1-A97.	0.9	0
45	S100 proteins induce canonical Wnt signaling, which causes increased expression of MMPs in the synovium. Osteoarthritis and Cartilage, 2015, 23, A49-A50.	1.3	0
46	Differential synovial expression patterns between patients with progression of cartilage damage and progression of osteophyte formation in early osteoarthritis. Osteoarthritis and Cartilage, 2015, 23, A382-A383.	1.3	0
47	WISP1, a downstream mediator of canonical WNT signaling, induces pathology in experimental osteoarthritis and predicts disease progression in early osteoarthritis patients.. Osteoarthritis and Cartilage, 2016, 24, S52-S53.	1.3	0
48	Differential synovial expression patterns in early osteoarthritis patients are associated with pain and with progression of joint damage. Osteoarthritis and Cartilage, 2016, 24, S323.	1.3	0
49	SAT0012â€…S100A8/A9 increases the mobilization of LY6C high monocytes to the synovium during experimental osteoarthritis. , 2017, , .		0
50	01.01â€…S100A8/a9 increases the mobilisation of LY6C high monocytes to the synovium during experimental osteoarthritis. , 2017, , .		0
51	08.32â€…Fc gamma receptor iv enhances bone erosion in experimental arthritis by promoting influx of pmns. , 2017, , .		0
52	THU0039â€…THE RELATION BETWEEN THE INFLAMMATORY STATUS OF HUMAN END STAGE OSTEOARTHRITIC SYNOVIUM AND LEVELS OF LOW DENSITY LIPOPROTEIN. , 2019, , .		0
53	OP0305â€…THE ALARMIN S100A9 HAMPERS OSTEOCLAST DIFFERENTIATION FROM CIRCULATING PRECURSORS BY REDUCING THE EXPRESSION OF RANK. , 2019, , .		0
54	FRI0527â€…HIGH LDL LEVELS LESSEN BONE DESTRUCTION DURING ANTIGEN-INDUCED ARTHRITIS BY INHIBITING OSTEOCLAST FORMATION AND FUNCTION. , 2019, , .		0

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55	Alarmins S100A8 and S100A9 Elicit a Higher Catabolic Response in Osteoarthritic Chondrocytes Compared to Normal Chondrocytes that is Toll Like Receptor 4 Dependent. Annals of Paediatric Rheumatology, 2012, 1, 23.	0.0	0