

Roeland Hanemaaijer

List of Publications by Year in descending order

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64
papers

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times ranked

6182
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix Metalloproteinase-8 Is Expressed in Rheumatoid Synovial Fibroblasts and Endothelial Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 31504-31509.	3.4	428
2	Identification of PLOD2 as Telopeptide Lysyl Hydroxylase, an Important Enzyme in Fibrosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 40967-40972.	3.4	333
3	MMP Inhibition and Downregulation by Bisphosphonates. <i>Annals of the New York Academy of Sciences</i> , 1999, 878, 453-465.	3.8	178
4	Collagen Degradation in the Abdominal Aneurysm. <i>American Journal of Pathology</i> , 2007, 170, 809-817.	3.8	166
5	Membrane-type matrix metalloproteinase-mediated angiogenesis in a fibrin-collagen matrix. <i>Blood</i> , 2003, 101, 1810-1817.	1.4	143
6	Clinical evidence for a protective role of lipocalin-2 against MMP-9 autodegradation and the impact for gastric cancer. <i>European Journal of Cancer</i> , 2007, 43, 1869-1876.	2.8	128
7	Metalloproteinase Inhibition Reduces Constrictive Arterial Remodeling After Balloon Angioplasty. <i>Circulation</i> , 2000, 101, 2962-2967.	1.6	113
8	Cathepsin K Is the Principal Protease in Giant Cell Tumor of Bone. <i>American Journal of Pathology</i> , 2004, 165, 593-600.	3.8	113
9	A novel and simple immunocapture assay for determination of gelatinase-b (MMP-9) activities in biological fluids: Saliva from patients with Sjögren's Syndrome contain increased latent and active gelatinase-b levels. <i>Matrix Biology</i> , 1998, 17, 657-665.	3.6	111
10	The pathophysiology of abdominal aortic aneurysm growth: Corresponding and discordant inflammatory and proteolytic processes in abdominal aortic and popliteal artery aneurysms. <i>Journal of Vascular Surgery</i> , 2010, 51, 1479-1487.	1.1	103
11	Matrix cross-linking lysyl oxidases are induced in response to myocardial infarction and promote cardiac dysfunction. <i>Cardiovascular Research</i> , 2016, 109, 67-78.	3.8	103
12	Proteolysis of the urokinase-type plasminogen activator receptor by metalloproteinase-12: implication for angiogenesis in fibrin matrices. <i>Blood</i> , 2001, 97, 3123-3131.	1.4	100
13	Increased gelatinase-A and gelatinase-B activities in malignant vs. benign breast tumors. <i>International Journal of Cancer</i> , 2000, 86, 204-207.	5.1	99
14	Doxycycline therapy for abdominal aneurysm: Improved proteolytic balance through reduced neutrophil content. <i>Journal of Vascular Surgery</i> , 2009, 49, 741-749.	1.1	96
15	Increased matrix metalloproteinase-8 and -9 activity in patients with infarct rupture after myocardial infarction. <i>Cardiovascular Pathology</i> , 2009, 18, 37-43.	1.6	93
16	Bisphosphonates inhibit stromelysin-1 (MMP-3), matrix metalloelastase (MMP-12), collagenase-3 (MMP-13) and enamelysin (MMP-20), but not urokinase-type plasminogen activator, and diminish invasion and migration of human malignant and endothelial cell lines. <i>Anti-Cancer Drugs</i> , 2002, 13, 245-254.	1.4	91
17	Matrix metalloproteinase (MMP)-9 type IV collagenase/gelatinase implicated in the pathogenesis of Sjögren's syndrome. <i>Matrix Biology</i> , 1998, 17, 335-347.	3.6	89
18	Role of caveolin-1 in fibrotic diseases. <i>Matrix Biology</i> , 2013, 32, 307-315.	3.6	89

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19	A Clinical Evaluation of Statin Pleiotropy: Statins Selectively and Dose-Dependently Reduce Vascular Inflammation. PLoS ONE, 2013, 8, e53882.	2.5	87
20	Modified proenzymes as artificial substrates for proteolytic enzymes: colorimetric assay of bacterial collagenase and matrix metalloproteinase activity using modified pro-urokinase. Biochemical Journal, 1997, 323, 603-609.	3.7	81
21	Extracellular matrix proteins: A positive feedback loop in lung fibrosis?. Matrix Biology, 2014, 34, 170-178.	3.6	76
22	Collagenase-3 (MMP-13) and its activators in rheumatoid arthritis: localization in the pannus-hard tissue junction and inhibition by alendronate. Matrix Biology, 1999, 18, 401-412.	3.6	74
23	The dihydrolipoyltransacetylase component of the pyruvate dehydrogenase complex from Azotobacter vinelandii. Molecular cloning and sequence analysis. FEBS Journal, 1988, 174, 593-599.	0.2	69
24	Cyclic mechanical stretch reduces myofibroblast differentiation of primary lung fibroblasts. Biochemical and Biophysical Research Communications, 2011, 404, 23-27.	2.1	69
25	Involvement of Membrane-Type Matrix Metalloproteinases (MT-MMPs) in Capillary Tube Formation by Human Endometrial Microvascular Endothelial Cells: Role of MT3-MMP. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 5828-5836.	3.6	67
26	Detection of a Soluble Form of BACE-1 in Human Cerebrospinal Fluid by a Sensitive Activity Assay. Clinical Chemistry, 2006, 52, 1168-1174.	3.2	66
27	Stimulation of Fibrotic Processes by the Infrapatellar Fat Pad in Cultured Synoviocytes From Patients With Osteoarthritis: A Possible Role for Prostaglandin F ₂ . Arthritis and Rheumatism, 2013, 65, 2070-2080.	6.7	66
28	Human osteoblasts produce cathepsin K. Bone, 2006, 38, 769-777.	2.9	64
29	Effect of the anti-tumor necrosis factor- α antibody infliximab on the ex vivo mucosal matrix metalloproteinase- α proteolytic phenotype in inflammatory bowel disease. Inflammatory Bowel Diseases, 2007, 13, 200-210.	1.9	59
30	Effects of low-dose, noncytotoxic, intraarticular liposomal clodronate on development of erosions and proteoglycan loss in established antigen-induced arthritis in rabbits. Arthritis and Rheumatism, 2001, 44, 1908-1916.	6.7	58
31	Matrix metalloproteinases in premature coronary atherosclerosis: influence of inhibitors, inflammation, and genetic polymorphisms. Translational Research, 2007, 149, 137-144.	5.0	57
32	Impaired Collagen Biosynthesis and Cross-linking in Aorta of Patients With Bicuspid Aortic Valve. Journal of the American Heart Association, 2013, 2, e000034.	3.7	53
33	Proteolytic shedding of the macrophage scavenger receptor CD163 in multiple sclerosis. Journal of Neuroimmunology, 2007, 187, 179-186.	2.3	51
34	EMMPRIN-induced MMP-2 activation cascade in human cervical squamous cell carcinoma. International Journal of Cancer, 2006, 118, 2991-2998.	5.1	49
35	Obeticholic Acid Modulates Serum Metabolites and Gene Signatures Characteristic of Human NASH and Attenuates Inflammation and Fibrosis Progression in Ldlr ^{-/-} Leiden Mice. Hepatology Communications, 2018, 2, 1513-1532.	4.3	49
36	Assessment of the clinical significance of serum matrix metalloproteinases MMP-2 and MMP-9 in patients with various chronic liver diseases and hepatocellular carcinoma. Thrombosis and Haemostasis, 2003, 89, 718-725.	3.4	48

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37	Renal expression of matrix metalloproteinases in human ANCA-associated glomerulonephritis. <i>Nephrology Dialysis Transplantation</i> , 2004, 19, 1412-1419.	0.7	48
38	Urinary matrix metalloproteinase-8 and -9 activities in type 2 diabetic subjects: A marker of incipient diabetic nephropathy?. <i>Clinical Biochemistry</i> , 2010, 43, 635-639.	1.9	45
39	Uncovering a Predictive Molecular Signature for the Onset of NASH-Related Fibrosis in a Translational NASH Mouse Model. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 5, 83-98.e10.	4.5	44
40	Levels of matrix metalloproteinase-2, -9 and -8 in the skin, serum and saliva of smokers and non-smokers. <i>Archives of Dermatological Research</i> , 2005, 297, 242-248.	1.9	38
41	Matrix metalloproteinase-9 measured in urine from bladder cancer patients is an independent prognostic marker of poor survival. <i>Acta Oncologica</i> , 2010, 49, 1283-1287.	1.8	37
42	Key Inflammatory Processes in Human NASH Are Reflected in Ldlr ^{-/-} .Leiden Mice: A Translational Gene Profiling Study. <i>Frontiers in Physiology</i> , 2018, 9, 132.	2.8	35
43	The domain structure of the dihydrolipoyl transacetylase component of the pyruvate dehydrogenase complex from <i>Azotobacter vinelandii</i> . <i>FEBS Journal</i> , 1987, 169, 245-252.	0.2	33
44	Gelatinase B is associated with peri-implant bone loss. <i>Clinical Oral Implants Research</i> , 2003, 14, 709-713.	4.5	32
45	Urinary matrix metalloproteinases reflect renal damage in anti-neutrophil cytoplasm autoantibody-associated vasculitis. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F1927-F1934.	2.7	32
46	Increased collagen degradation around loosened total hip replacement implants. <i>Arthritis and Rheumatism</i> , 2006, 54, 2928-2933.	6.7	29
47	Inhibition of matrix metalloproteinase-14 in osteosarcoma cells by clodronate. <i>Journal of Surgical Research</i> , 2003, 111, 45-52.	1.6	28
48	Membrane-type matrix metalloproteinases and vascularization in human endometrium during the menstrual cycle. <i>Molecular Human Reproduction</i> , 2006, 12, 11-18.	2.8	25
49	Butyrate Protects against Diet-Induced NASH and Liver Fibrosis and Suppresses Specific Non-Canonical TGF- β 2 Signaling Pathways in Human Hepatic Stellate Cells. <i>Biomedicines</i> , 2021, 9, 1954.	3.2	23
50	Inhibition of matrix metalloproteinases by bisphosphonates may in part explain their effects in the treatment of multiple myeloma. <i>Blood</i> , 2000, 96, 4006-4007.	1.4	22
51	Determination of Gelatinase-A (MMP-2) Activity Using a Novel Immunocapture Assay. <i>Annals of the New York Academy of Sciences</i> , 1999, 878, 487-490.	3.8	21
52	Straining Mode-Dependent Collagen Remodeling in Engineered Cardiovascular Tissue. <i>Tissue Engineering - Part A</i> , 2009, 15, 841-849.	3.1	21
53	The Fibrinolytic System and Matrix Metalloproteinases in Angiogenesis and Tumor Progression. <i>Seminars in Thrombosis and Hemostasis</i> , 2004, 30, 71-82.	2.7	19
54	The quaternary structure of the dihydrolipoyl transacetylase component of the pyruvate dehydrogenase complex from <i>Azotobacter vinelandii</i> . A reconsideration. <i>FEBS Journal</i> , 1989, 179, 287-292.	0.2	18

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55	The gene encoding dihydrolipoyl transacetylase from <i>Azotobacter vinelandii</i> . Expression in <i>Escherichia coli</i> and activation and isolation of the protein. <i>FEBS Journal</i> , 1989, 181, 47-53.	0.2	17
56	Endothelium specific matrilysin (MMP-7) expression in human cancers. <i>Matrix Biology</i> , 2007, 27, 267-71.	3.6	13
57	Erosive arthritis in a patient with pycnodysostosis: An experiment of nature. <i>Arthritis and Rheumatism</i> , 2008, 58, 3394-3401.	6.7	13
58	Identification of Free Nitric Oxide Radicals in Rat Bone Marrow: Implications for Progenitor Cell Mobilization in Hypertension. <i>PLoS ONE</i> , 2013, 8, e57761.	2.5	12
59	Inhibition of matrix metalloproteinases (MMPs) by tetracyclines. , 2001, , 267-281.		10
60	Mobile sequences in the pyruvate dehydrogenase complex, the E2 component, the catalytic domain and the 2-oxoglutarate dehydrogenase complex of <i>Azotobacter vinelandii</i> , as detected by 600 MHz ¹ H-NMR spectroscopy. <i>FEBS Letters</i> , 1988, 240, 205-210.	2.8	6
61	Time-resolved fluorescence studies on the dihydrolipoyl transacetylase (E2) component of the pyruvate dehydrogenase complex from <i>Azotobacter vinelandii</i> . <i>FEBS Letters</i> , 1988, 238, 285-288.	2.8	6
62	Structure/function relationships in the pyruvate dehydrogenase complex from <i>Azotobacter vinelandii</i> . Role of the linker region between the binding and catalytic domain of the dihydrolipoyl transacetylase component. <i>FEBS Journal</i> , 1993, 211, 591-599.	0.2	6
63	Proteases and Angiogenesis. Regulation of Plasminogen Activators and Matrix Metalloproteases by Endothelial Cells. , 1998, , 241-261.		1
64	Inhibition of matrix metalloproteinases by bisphosphonates may in part explain their effects in the treatment of multiple myeloma. <i>Blood</i> , 2000, 96, 4006-4007.	1.4	0