

Morten Asser Karsdal

List of Publications by Year in descending order

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462
papers

17,192
citations

14655

66
h-index

31849

101
g-index

465
all docs

465
docs citations

465
times ranked

17253
citing authors

#	ARTICLE	IF	CITATIONS
1	Collagens and Cancer associated fibroblasts in the reactive stroma and its relation to Cancer biology. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 115.	8.6	322
2	The extracellular matrix in the kidney: a source of novel non-invasive biomarkers of kidney fibrosis?. <i>Fibrogenesis and Tissue Repair</i> , 2014, 7, 4.	3.4	266
3	Disease-modifying treatments for osteoarthritis (DMOADs) of the knee and hip: lessons learned from failures and opportunities for the future. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 2013-2021.	1.3	264
4	Longitudinal change in collagen degradation biomarkers in idiopathic pulmonary fibrosis: an analysis from the prospective, multicentre PROFILE study. <i>Lancet Respiratory Medicine</i> , 2015, 3, 462-472.	10.7	252
5	The future of blood-based biomarkers for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2014, 10, 115-131.	0.8	250
6	Local communication on and within bone controls bone remodeling. <i>Bone</i> , 2009, 44, 1026-1033.	2.9	230
7	Extracellular Matrix Remodeling: The Common Denominator in Connective Tissue Diseases<i>Possibilities for Evaluation and Current Understanding of the Matrix as More Than a Passive Architecture, but a Key Player in Tissue Failure</i>. <i>Assay and Drug Development Technologies</i> , 2013, 11, 70-92.	1.2	226
8	Matrix Metalloproteinase-dependent Activation of Latent Transforming Growth Factor- β Controls the Conversion of Osteoblasts into Osteocytes by Blocking Osteoblast Apoptosis. <i>Journal of Biological Chemistry</i> , 2002, 277, 44061-44067.	3.4	218
9	Are Nonresorbing Osteoclasts Sources of Bone Anabolic Activity?. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 487-494.	2.8	212
10	Novel insights into the function and dynamics of extracellular matrix in liver fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, G807-G830.	3.4	200
11	Proteinases in bone resorption: obvious and less obvious roles. <i>Clinica Chimica Acta</i> , 2000, 291, 223-234.	1.1	181
12	The minor collagens in articular cartilage. <i>Protein and Cell</i> , 2017, 8, 560-572.	11.0	176
13	ADAPT: An Algorithm Incorporating PRO-3 Accurately Identifies Patients With NAFLD and Advanced Fibrosis. <i>Hepatology</i> , 2019, 69, 1075-1086.	7.3	174
14	Cartilage degradation is fully reversible in the presence of aggrecanase but not matrix metalloproteinase activity. <i>Arthritis Research and Therapy</i> , 2008, 10, R63.	3.5	161
15	Diagnostic accuracy of elastography and magnetic resonance imaging in patients with NAFLD: A systematic review and meta-analysis. <i>Journal of Hepatology</i> , 2021, 75, 770-785.	3.7	149
16	MMP Mediated Degradation of Type IV Collagen Alpha 1 and Alpha 3 Chains Reflects Basement Membrane Remodeling in Experimental and Clinical Fibrosis – Validation of Two Novel Biomarker Assays. <i>PLoS ONE</i> , 2013, 8, e84934.	2.5	145
17	The disease modifying osteoarthritis drug (DMOAD): Is it in the horizon?†. <i>Pharmacological Research</i> , 2008, 58, 1-7.	7.1	143
18	Novel combinations of Post-Translational Modification (PTM) neo-epitopes provide tissue-specific biochemical markers—are they the cause or the consequence of the disease?. <i>Clinical Biochemistry</i> , 2010, 43, 793-804.	1.9	142

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19	Acidification of the Osteoclastic Resorption Compartment Provides Insight into the Coupling of Bone Formation to Bone Resorption. <i>American Journal of Pathology</i> , 2005, 166, 467-476.	3.8	140
20	MMP Mediated Degradation of Type VI Collagen Is Highly Associated with Liver Fibrosis – Identification and Validation of a Novel Biochemical Marker Assay. <i>PLoS ONE</i> , 2011, 6, e24753.	2.5	138
21	RANKL and Vascular Endothelial Growth Factor (VEGF) Induce Osteoclast Chemotaxis through an ERK1/2-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2003, 278, 48745-48753.	3.4	137
22	Characterization of metalloprotease cleavage products of human articular cartilage. <i>Arthritis and Rheumatism</i> , 2008, 58, 2420-2431.	6.7	137
23	The Chloride Channel Inhibitor NS3736 Prevents Bone Resorption in Ovariectomized Rats Without Changing Bone Formation. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 1144-1153.	2.8	136
24	Molecular Serum Markers of Liver Fibrosis. <i>Biomarker Insights</i> , 2012, 7, BMI.S10009.	2.5	132
25	Effects of ovariectomy and estrogen therapy on type II collagen degradation and structural integrity of articular cartilage in rats: Implications of the time of initiation. <i>Arthritis and Rheumatism</i> , 2006, 54, 2441-2451.	6.7	128
26	The neo-epitope specific PRO-C3 ELISA measures true formation of type III collagen associated with liver and muscle parameters. <i>American Journal of Translational Research (discontinued)</i> , 2013, 5, 303-15.	0.0	128
27	Transforming Growth Factor- β^2 Controls Human Osteoclastogenesis through the p38 MAPK and Regulation of RANK Expression. <i>Journal of Biological Chemistry</i> , 2003, 278, 44975-44987.	3.4	125
28	Enzyme-linked immunosorbent assay (ELISAs) for metalloproteinase derived type II collagen neoepitope, CIIM – Increased serum CIIM in subjects with severe radiographic osteoarthritis. <i>Clinical Biochemistry</i> , 2011, 44, 423-429.	1.9	125
29	Effect of NGM282, an FGF19 analogue, in primary sclerosing cholangitis: A multicenter, randomized, double-blind, placebo-controlled phase II trial. <i>Journal of Hepatology</i> , 2019, 70, 483-493.	3.7	124
30	Characterization of osteoclasts derived from CD14+ monocytes isolated from peripheral blood. <i>Journal of Bone and Mineral Metabolism</i> , 2006, 25, 36-45.	2.7	122
31	Osteoclast-Derived Coupling Factors in Bone Remodeling. <i>Calcified Tissue International</i> , 2014, 94, 88-97.	3.1	120
32	Plasma Pro- $\alpha^1(\text{N})$ -terminal type III collagen propeptide predicts fibrosis progression in patients with chronic hepatitis C. <i>Liver International</i> , 2015, 35, 429-437.	3.9	117
33	Characterization of Osteoclasts from Patients Harboring a G215R Mutation in CLC-7 Causing Autosomal Dominant Osteopetrosis Type II. <i>American Journal of Pathology</i> , 2004, 164, 1537-1545.	3.8	113
34	Oral salmon calcitonin induced suppression of urinary collagen type II degradation in postmenopausal women: A new potential treatment of osteoarthritis. <i>Bone</i> , 2005, 37, 425-430.	2.9	111
35	Which elements are involved in reversible and irreversible cartilage degradation in osteoarthritis?. <i>Rheumatology International</i> , 2010, 30, 435-442.	3.0	109
36	Treatment of symptomatic knee osteoarthritis with oral salmon calcitonin: results from two phase 3 trials. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 532-543.	1.3	107

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37	Collagen biology and noninvasive biomarkers of liver fibrosis. <i>Liver International</i> , 2020, 40, 736-750.	3.9	107
38	Understanding cardiac extracellular matrix remodeling to develop biomarkers of myocardial infarction outcomes. <i>Matrix Biology</i> , 2019, 75-76, 43-57.	3.6	106
39	Assessment of proteolytic degradation of the basement membrane: a fragment of type IV collagen as a biochemical marker for liver fibrosis. <i>Fibrogenesis and Tissue Repair</i> , 2011, 4, 22.	3.4	102
40	Biochemical markers of ongoing joint damage in rheumatoid arthritis - current and future applications, limitations and opportunities. <i>Arthritis Research and Therapy</i> , 2011, 13, 215.	3.5	99
41	Biglycan and Fibromodulin Have Essential Roles in Regulating Chondrogenesis and Extracellular Matrix Turnover in Temporomandibular Joint Osteoarthritis. <i>American Journal of Pathology</i> , 2010, 176, 812-826.	3.8	97
42	Diphyllin, a Novel and Naturally Potent V-ATPase Inhibitor, Abrogates Acidification of the Osteoclastic Resorption Lacunae and Bone Resorption. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1640-1648.	2.8	96
43	Identification of progressors in osteoarthritis by combining biochemical and MRI-based markers. <i>Arthritis Research and Therapy</i> , 2009, 11, R115.	3.5	96
44	The active form of MMP-3 is a marker of synovial inflammation and cartilage turnover in inflammatory joint diseases. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 93.	1.9	96
45	Osteoclasts secrete non-bone derived signals that induce bone formation. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 483-488.	2.1	95
46	Enzyme-linked immunosorbent serum assay specific for the 7S domain of Collagen Type IV (P4NP 7S): A marker related to the extracellular matrix remodeling during liver fibrogenesis. <i>Hepatology Research</i> , 2012, 42, 482-493.	3.4	91
47	Collagen Type III and VI Turnover in Response to Long-Term Immobilization. <i>PLoS ONE</i> , 2015, 10, e0144525.	2.5	91
48	Performance of the PRO-C3 collagen neo-epitope biomarker in non-alcoholic fatty liver disease. <i>JHEP Reports</i> , 2019, 1, 188-198.	4.9	86
49	Association between biomarkers of tissue inflammation and progression of osteoarthritis: evidence from the Rotterdam study cohort. <i>Arthritis Research and Therapy</i> , 2016, 18, 81.	3.5	85
50	Collagen and tissue turnover as a function of age: Implications for fibrosis. <i>Journal of Hepatology</i> , 2016, 64, 103-109.	3.7	81
51	Biglycan deficiency increases osteoclast differentiation and activity due to defective osteoblasts. <i>Bone</i> , 2006, 38, 778-786.	2.9	80
52	Role of hormones in cartilage and joint metabolism. <i>Menopause</i> , 2013, 20, 578-586.	2.0	80
53	Serological Investigation of the Collagen Degradation Profile of Patients with Chronic Obstructive Pulmonary Disease or Idiopathic Pulmonary Fibrosis. <i>Biomarker Insights</i> , 2012, 7, BMI.S9415.	2.5	79
54	Degradation of the Organic Phase of Bone by Osteoclasts: A Secondary Role for Lysosomal Acidification. <i>Journal of Bone and Mineral Research</i> , 2005, 21, 58-66.	2.8	78

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55	Accelerated extracellular matrix turnover during exacerbations of COPD. <i>Respiratory Research</i> , 2015, 16, 69.	3.6	78
56	Serological identification of fast progressors of structural damage with rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2013, 15, R86.	3.5	77
57	Biomarkers of collagen synthesis predict progression in the PROFILE idiopathic pulmonary fibrosis cohort. <i>Respiratory Research</i> , 2019, 20, 148.	3.6	77
58	IL-6 Receptor Inhibition Positively Modulates Bone Balance in Rheumatoid Arthritis Patients with an Inadequate Response to Anti-Tumor Necrosis Factor Therapy: Biochemical Marker Analysis of Bone Metabolism in the Tocilizumab RADIATE Study (NCT00106522). <i>Seminars in Arthritis and Rheumatism</i> , 2012, 42, 131-139.	3.4	75
59	Association Between Experimental Pain Biomarkers and Serologic Markers in Patients With Different Degrees of Painful Knee Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2014, 66, 3317-3326.	5.6	75
60	Effect of tocilizumab combined with methotrexate on circulating biomarkers of synovium, cartilage, and bone in the LITHE study. <i>Seminars in Arthritis and Rheumatism</i> , 2014, 43, 470-478.	3.4	75
61	Metabolic Syndrome, Insulin Resistance, and Cognitive Dysfunction: Does Your Metabolic Profile Affect Your Brain?. <i>Diabetes</i> , 2017, 66, 1957-1963.	0.6	74
62	Transforming Growth Factor- β 2-induced Osteoblast Elongation Regulates Osteoclastic Bone Resorption through a p38 Mitogen-activated Protein Kinase- and Matrix Metalloproteinase-dependent Pathway. <i>Journal of Biological Chemistry</i> , 2001, 276, 39350-39358.	3.4	73
63	Suppression of T Cell Activation and Collagen Accumulation by an Anti-IFNAR1 mAb, Anifrolumab, in Adult Patients with Systemic Sclerosis. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2402-2409.	0.7	73
64	Serum Tau Fragments Predict Return to Play in Concussed Professional Ice Hockey Players. <i>Journal of Neurotrauma</i> , 2016, 33, 1995-1999.	3.4	71
65	Prognostic performance of 7 biomarkers compared to liver biopsy in early alcohol-related liver disease. <i>Journal of Hepatology</i> , 2021, 75, 1017-1025.	3.7	70
66	Circulating Protein Fragments of Cartilage and Connective Tissue Degradation Are Diagnostic and Prognostic Markers of Rheumatoid Arthritis and Ankylosing Spondylitis. <i>PLoS ONE</i> , 2013, 8, e54504.	2.5	69
67	Fragments of Citrullinated and MMP-degraded Vimentin and MMP-degraded Type III Collagen Are Novel Serological Biomarkers to Differentiate Crohn's Disease from Ulcerative Colitis. <i>Journal of Crohn's and Colitis</i> , 2015, 9, 863-872.	1.3	69
68	Fibrogenesis assessed by serological type III collagen formation identifies patients with progressive liver fibrosis and responders to a potential antifibrotic therapy. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G1009-G1017.	3.4	69
69	Type X collagen levels are elevated in serum from human osteoarthritis patients and associated with biomarkers of cartilage degradation and inflammation. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 309.	1.9	67
70	Improvement of non-invasive markers of NAFLD from an individualised, web-based exercise program. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 50, 930-939.	3.7	67
71	Serological muscle loss biomarkers: an overview of current concepts and future possibilities. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2013, 4, 1-17.	7.3	65
72	Ankylosing spondylitis is characterized by an increased turnover of several different metalloproteinase-derived collagen species: a cross-sectional study. <i>Rheumatology International</i> , 2012, 32, 3565-3572.	3.0	64

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73	Serum biomarkers reflecting specific tumor tissue remodeling processes are valuable diagnostic tools for lung cancer. <i>Cancer Medicine</i> , 2014, 3, 1136-1145.	2.8	64
74	Calcitonin ??? A Drug of the Past or for the Future?. <i>BioDrugs</i> , 2008, 22, 137-144.	4.6	63
75	Procollagen type I N-terminal propeptide (PINP) is a marker for fibrogenesis in bile duct ligation-induced fibrosis in rats. <i>Fibrogenesis and Tissue Repair</i> , 2010, 3, 5.	3.4	63
76	Induction of increased cAMP levels in articular chondrocytes blocks matrix metalloproteinase-mediated cartilage degradation, but not aggrecanase-mediated cartilage degradation. <i>Arthritis and Rheumatism</i> , 2007, 56, 1549-1558.	6.7	62
77	The effect of oral calcitonin on cartilage turnover and surface erosion in an ovariectomized rat model. <i>Arthritis and Rheumatism</i> , 2007, 56, 2674-2678.	6.7	62
78	Efficacy and safety of the PPAR γ partial agonist balaglitazone compared with pioglitazone and placebo: a phase III, randomized, parallel-group study in patients with type 2 diabetes on stable insulin therapy. <i>Diabetes/Metabolism Research and Reviews</i> , 2011, 27, 392-401.	4.0	61
79	Calcitonin Affects Both Bone and Cartilage. <i>Annals of the New York Academy of Sciences</i> , 2007, 1117, 181-195.	3.8	60
80	Biomarkers of extracellular matrix turnover are associated with emphysema and eosinophilic-bronchitis in COPD. <i>Respiratory Research</i> , 2017, 18, 22.	3.6	60
81	Prolonged Calcitonin Receptor Signaling by Salmon, but Not Human Calcitonin, Reveals Ligand Bias. <i>PLoS ONE</i> , 2014, 9, e92042.	2.5	60
82	Matrix metalloproteinase-9-mediated type III collagen degradation as a novel serological biochemical marker for liver fibrogenesis. <i>Liver International</i> , 2010, 30, 1293-1304.	3.9	59
83	Systemic Biomarkers of Collagen and Elastin Turnover Are Associated With Clinically Relevant Outcomes in COPD. <i>Chest</i> , 2017, 151, 47-59.	0.8	59
84	Circulating Citrullinated Vimentin Fragments Reflect Disease Burden in Ankylosing Spondylitis and Have Prognostic Capacity for Radiographic Progression. <i>Arthritis and Rheumatism</i> , 2013, 65, 972-980.	6.7	58
85	Biomarker of extracellular matrix remodelling C1M and proinflammatory cytokine interleukin 6 are related to synovitis and pain in end-stage knee osteoarthritis patients. <i>Pain</i> , 2017, 158, 1254-1263.	4.2	58
86	High levels of biomarkers of collagen remodeling are associated with increased mortality in COPD - results from the ECLIPSE study. <i>Respiratory Research</i> , 2016, 17, 125.	3.6	57
87	Optimizing bioavailability of oral administration of small peptides through pharmacokinetic and pharmacodynamic parameters: The effect of water and timing of meal intake on oral delivery of Salmon Calcitonin. <i>BMC Clinical Pharmacology</i> , 2008, 8, 5.	2.5	56
88	Mechanisms of the Anabolic Effects of Teriparatide on Bone: Insight From the Treatment of a Patient With Pycnodysostosis. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1076-1083.	2.8	56
89	Serum endotrophin, a type VI collagen cleavage product, is associated with increased mortality in chronic kidney disease. <i>PLoS ONE</i> , 2017, 12, e0175200.	2.5	56
90	A randomized, double-blind, multicenter, placebo-controlled study to evaluate the efficacy and safety of oral salmon calcitonin in the treatment of osteoporosis in postmenopausal women taking calcium and vitamin D. <i>Bone</i> , 2016, 91, 122-129.	2.9	55

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91	Age-related collagen turnover of the interstitial matrix and basement membrane: Implications of age- and sex-dependent remodeling of the extracellular matrix. <i>PLoS ONE</i> , 2018, 13, e0194458.	2.5	55
92	A novel oral dual amylin and calcitonin receptor agonist (KBP-042) exerts antiobesity and antidiabetic effects in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E24-E33.	3.5	54
93	Dermal fibroblasts have different extracellular matrix profiles induced by TGF- β 2, PDGF and IL-6 in a model for skin fibrosis. <i>Scientific Reports</i> , 2020, 10, 17300.	3.3	54
94	Markers of Collagen Remodeling Detect Clinically Significant Fibrosis in Chronic Hepatitis C Patients. <i>PLoS ONE</i> , 2015, 10, e0137302.	2.5	54
95	Measurement of MMP-9 and -12 degraded elastin (ELM) provides unique information on lung tissue degradation. <i>BMC Pulmonary Medicine</i> , 2012, 12, 34.	2.0	53
96	Serum and urine markers of collagen degradation reflect renal fibrosis in experimental kidney diseases. <i>Nephrology Dialysis Transplantation</i> , 2015, 30, 1112-1121.	0.7	53
97	Non-invasive biomarkers derived from the extracellular matrix associate with response to immune checkpoint blockade (anti-CTLA-4) in metastatic melanoma patients. , 2018, 6, 152.		53
98	Matrix Metalloproteinase Inhibitor BB-3103 Unlike the Serine Proteinase Inhibitor Aprotinin Abrogates Epidermal Healing of Human Skin Wounds Ex Vivo11Presented in part at the 10th Annual Meeting of the European Tissue Repair Society (ETRS) May 24-28, 2000 in Brussels, Belgium and at the 35th Congress of the European Society for Surgical Research (ESSR) June 1-3, 2000 in Malmö, Sweden and abstract published in <i>Eur Surg Res</i> 32 (Suppl. 1):2-3, 2000.. <i>Journal of Investigative Dermatology</i> , 2002, 118, 55-64.	0.7	52
99	Alpha CTX as a Biomarker of Skeletal Invasion of Breast Cancer: Immunolocalization and the Load Dependency of Urinary Excretion. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006, 15, 1392-1395.	2.5	52
100	The collagen turnover profile is altered in patients with inguinal and incisional hernia. <i>Surgery</i> , 2015, 157, 312-321.	1.9	52
101	Biological relevance of citrullinations: diagnostic, prognostic and therapeutic options. <i>Autoimmunity</i> , 2015, 48, 73-79.	2.6	52
102	Urinary endotrophin predicts disease progression in patients with chronic kidney disease. <i>Scientific Reports</i> , 2017, 7, 17328.	3.3	52
103	Extracellular matrix specific protein fingerprints measured in serum can separate pancreatic cancer patients from healthy controls. <i>BMC Cancer</i> , 2013, 13, 554.	2.6	51
104	Serum endotrophin identifies optimal responders to PPAR γ agonists in type 2 diabetes. <i>Diabetologia</i> , 2017, 60, 50-59.	6.3	51
105	Higher Collagen VI Formation Is Associated With All-Cause Mortality in Patients With Type 2 Diabetes and Microalbuminuria. <i>Diabetes Care</i> , 2018, 41, 1493-1500.	8.6	51
106	Protein fingerprinting of the extracellular matrix remodelling in a rat model of liver fibrosis—a serological evaluation. <i>Liver International</i> , 2013, 33, 439-447.	3.9	50
107	Lessons learned from the clinical development of oral peptides. <i>British Journal of Clinical Pharmacology</i> , 2015, 79, 720-732.	2.4	50
108	Immunological detection of the type V collagen propeptide fragment, PVCP-1230, in connective tissue remodeling associated with liver fibrosis. <i>Biomarkers</i> , 2011, 16, 426-433.	1.9	49

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109	OA phenotypes, rather than disease stage, drive structural progression – identification of structural progressors from 2 phase III randomized clinical studies with symptomatic knee OA. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 550-558.	1.3	49
110	Osteoclasts degrade bone and cartilage knee joint compartments through different resorption processes. <i>Arthritis Research and Therapy</i> , 2018, 20, 67.	3.5	48
111	Sprifermin (rhFGF18) modulates extracellular matrix turnover in cartilage explants ex vivo. <i>Journal of Translational Medicine</i> , 2017, 15, 250.	4.4	47
112	Measurement of CO3-610, a Potential Liver Biomarker Derived from Matrix Metalloproteinase-9 Degradation of Collagen Type III, in a Rat Model of Reversible Carbon-Tetrachloride-Induced Fibrosis. <i>Biomarker Insights</i> , 2011, 6, BMI.S6347.	2.5	46
113	Menopause, estrogens and frailty. <i>Gynecological Endocrinology</i> , 2013, 29, 418-423.	1.7	46
114	Type VI collagen turnover-related peptides – novel serological biomarkers of muscle mass and anabolic response to loading in young men. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2013, 4, 267-275.	7.3	45
115	Turnover of type III collagen reflects disease severity and is associated with progression and microinflammation in patients with IgA nephropathy. <i>Nephrology Dialysis Transplantation</i> , 2016, 31, 472-479.	0.7	45
116	A novel dual amylin and calcitonin receptor agonist, KBP-089, induces weight loss through a reduction in fat, but not lean mass, while improving food preference. <i>British Journal of Pharmacology</i> , 2017, 174, 591-602.	5.4	45
117	Acute decompensation boosts hepatic collagen type III deposition and deteriorates experimental and human cirrhosis. <i>Hepatology Communications</i> , 2018, 2, 211-222.	4.3	45
118	Biglycan fragmentation in pathologies associated with extracellular matrix remodeling by matrix metalloproteinases. <i>Fibrogenesis and Tissue Repair</i> , 2013, 6, 9.	3.4	44
119	Alpha 1(T)elo peptide of Type I Collagen Is Associated With Subchondral Bone Turnover and Predicts Progression of Joint Space Narrowing and Osteophytes in Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2014, 66, 2440-2449.	5.6	43
120	Pro-C5, a marker of true type V collagen formation and fibrillation, correlates with portal hypertension in patients with alcoholic cirrhosis. <i>Scandinavian Journal of Gastroenterology</i> , 2015, 50, 584-592.	1.5	43
121	Characterization of the Bone Phenotype in CLC-7-Deficient Mice. <i>Calcified Tissue International</i> , 2008, 83, 425-437.	3.1	42
122	Collagen Degradation and Formation Are Elevated in Exacerbated COPD Compared With Stable Disease. <i>Chest</i> , 2018, 154, 798-807.	0.8	42
123	Assessment of liver fibrosis progression and regression by a serological collagen turnover profile. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, G25-G31.	3.4	42
124	High turnover of extracellular matrix reflected by specific protein fragments measured in serum is associated with poor outcomes in two metastatic breast cancer cohorts. <i>International Journal of Cancer</i> , 2018, 143, 3027-3034.	5.1	41
125	Collagen fragments quantified in serum as measures of desmoplasia associate with survival outcome in patients with advanced pancreatic cancer. <i>Scientific Reports</i> , 2019, 9, 19761.	3.3	41
126	Serological Assessment of Activated Fibroblasts by alpha-Smooth Muscle Actin (Î±-SMA): A Noninvasive Biomarker of Activated Fibroblasts in Lung Disorders. <i>Translational Oncology</i> , 2019, 12, 368-374.	3.7	41

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127	Clinical value of serum hyaluronan and propeptide of type III collagen in patients with pancreatic cancer. <i>International Journal of Cancer</i> , 2020, 146, 2913-2922.	5.1	41
128	Osteoclasts from Patients with Autosomal Dominant Osteopetrosis Type I Caused by a T253I Mutation in Low-Density Lipoprotein Receptor-Related Protein 5 Are Normal in Vitro, but Have Decreased Resorption Capacity in Vivo. <i>American Journal of Pathology</i> , 2005, 167, 1341-1348.	3.8	40
129	Ion Transporters Involved in Acidification of the Resorption Lacuna in Osteoclasts. <i>Calcified Tissue International</i> , 2008, 83, 230-242.	3.1	40
130	Oral salmon calcitonin " pharmacology in osteoporosis. <i>Expert Opinion on Biological Therapy</i> , 2010, 10, 1617-1629.	3.1	40
131	Serological assessment of neutrophil elastase activity on elastin during lung ECM remodeling. <i>BMC Pulmonary Medicine</i> , 2015, 15, 53.	2.0	40
132	Type VIII collagen is elevated in diseases associated with angiogenesis and vascular remodeling. <i>Clinical Biochemistry</i> , 2016, 49, 903-908.	1.9	40
133	Quantification of altered tissue turnover in a liquid biopsy: a proposed precision medicine tool to assess chronic inflammation and desmoplasia associated with a pro-cancerous niche and response to immuno-therapeutic anti-tumor modalities. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 1-12.	4.2	40
134	Ulcerative colitis, Crohn's disease, and irritable bowel syndrome have different profiles of extracellular matrix turnover, which also reflects disease activity in Crohn's disease. <i>PLoS ONE</i> , 2017, 12, e0185855.	2.5	40
135	Serum markers of the extracellular matrix remodeling reflect antifibrotic therapy in bile-duct ligated rats. <i>Frontiers in Physiology</i> , 2013, 4, 195.	2.8	39
136	Tissue turnover of collagen type I, III and elastin is elevated in the PCLS model of IPF and can be restored back to vehicle levels using a phosphodiesterase inhibitor. <i>Respiratory Research</i> , 2016, 17, 76.	3.6	39
137	Investigation of the direct effects of salmon calcitonin on human osteoarthritic chondrocytes. <i>BMC Musculoskeletal Disorders</i> , 2010, 11, 62.	1.9	38
138	Human macrophage foam cells degrade atherosclerotic plaques through cathepsin K mediated processes. <i>BMC Cardiovascular Disorders</i> , 2010, 10, 19.	1.7	38
139	Cartilage Turnover Reflected by Metabolic Processing of Type II Collagen: A Novel Marker of Anabolic Function in Chondrocytes. <i>International Journal of Molecular Sciences</i> , 2014, 15, 18789-18803.	4.1	38
140	Sensitization and Serological Biomarkers in Knee Osteoarthritis Patients With Different Degrees of Synovitis. <i>Clinical Journal of Pain</i> , 2016, 32, 841-848.	1.9	38
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