

Anne C Bay-Jensen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

186 papers	4,957 citations	40 h-index	62 g-index
193 ext. papers	5,891 ext. citations	3.9 avg, IF	5.63 L-index

#	Paper	IF	Citations
186	Blood and urine biomarkers in osteoarthritis - an update on cartilage associated type II collagen and aggrecan markers. <i>Current Opinion in Rheumatology</i> , 2022 , 34, 54-60	5.3	2
185	Collagen Turnover Biomarkers Associate with Active Psoriatic Arthritis and Decrease with Guselkumab Treatment in a Phase 3 Clinical Trial (DISCOVER-2).. <i>Rheumatology and Therapy</i> , 2022 , 1	4.4	0
184	Osteoarthritis endotype discovery via clustering of biochemical marker data.. <i>Annals of the Rheumatic Diseases</i> , 2022 ,	2.4	4
183	Low levels of type II collagen formation (PRO-C2) are associated with response to sprifermin: a pre-defined, exploratory biomarker analysis from the FORWARD study. <i>Osteoarthritis and Cartilage</i> , 2021 ,	6.2	2
182	The Citrullinated and MMP-degraded Vimentin Biomarker (VICM) Predicts Early Response to Anti-TNF α Treatment in Crohn's Disease. <i>Journal of Clinical Gastroenterology</i> , 2021 , 55, 59-66	3	4
181	Serum C-reactive protein metabolite (CRPM) is associated with incidence of contralateral knee osteoarthritis. <i>Scientific Reports</i> , 2021 , 11, 6583	4.9	4
180	Circulating collagen neo-epitopes and their role in the prediction of fibrosis in patients with systemic sclerosis: a multicentre cohort study. <i>Lancet Rheumatology, The</i> , 2021 , 3, e175-e184	14.2	3
179	A low cartilage formation and repair endotype predicts radiographic progression of symptomatic knee osteoarthritis. <i>Journal of Orthopaedics and Traumatology</i> , 2021 , 22, 10	5	6
178	Effect of n-3 PUFA on extracellular matrix protein turnover in patients with psoriatic arthritis: a randomized, double-blind, placebo-controlled trial. <i>Rheumatology International</i> , 2021 , 41, 1065-1077	3.6	2
177	Objective and noninvasive biochemical markers in rheumatoid arthritis: where are we and where are we going?. <i>Expert Review of Proteomics</i> , 2021 , 18, 159-175	4.2	1
176	Development of a highly sensitive chemiluminescence immunoassay for quantification of aggrecanase-generated ARGS aggrecan fragments in serum. <i>Osteoarthritis and Cartilage Open</i> , 2021 , 3, 100162	1.5	1
175	A case report of pregnancy in untreated alkaptonuria - Focus on urinary tissue remodelling markers. <i>Molecular Genetics and Metabolism Reports</i> , 2021 , 27, 100766	1.8	
174	Are fatty acids associated with disease activity and biomarkers in patients with psoriatic arthritis? Data from a multicenter clinical trial. <i>Rheumatology International</i> , 2021 , 1	3.6	0
173	Profiling and targeting connective tissue remodeling in autoimmunity - A novel paradigm for diagnosing and treating chronic diseases. <i>Autoimmunity Reviews</i> , 2021 , 20, 102706	13.6	7
172	Connective tissue remodelling is differently modulated by tocilizumab versus methotrexate monotherapy in patients with early rheumatoid arthritis: the AMBITION study. <i>Arthritis Research and Therapy</i> , 2021 , 23, 13	5.7	2
171	Exploring IL-17 in spondyloarthritis for development of novel treatments and biomarkers. <i>Autoimmunity Reviews</i> , 2021 , 20, 102760	13.6	1
170	Association between Markers of Synovial Inflammation, Matrix Turnover and Symptoms in Knee Osteoarthritis: A Cross-Sectional Study. <i>Cells</i> , 2021 , 10,	7.9	1

169	Intermittent Dynamic Compression Confers Anabolic Effects in Articular Cartilage. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7469	2.6	1
168	A Serological Type II Collagen Neopeptide Biomarker Reflects Cartilage Breakdown in Patients with Osteoarthritis. <i>Osteoarthritis and Cartilage Open</i> , 2021 , 3, 100207	1.5	1
167	Considerations for understanding protein measurements: Identification of formation, degradation and more pathological relevant epitopes. <i>Clinical Biochemistry</i> , 2021 , 97, 11-24	3.5	1
166	Enzymatic cross-linking of collagens in organ fibrosis - resolution and assessment. <i>Expert Review of Molecular Diagnostics</i> , 2021 , 21, 1049-1064	3.8	4
165	A matrix metalloproteinase-generated neopeptide of CRP can identify knee and multi-joint inflammation in osteoarthritis. <i>Arthritis Research and Therapy</i> , 2021 , 23, 226	5.7	1
164	The activation fragment of PAR2 is elevated in serum from patients with rheumatoid arthritis and reduced in response to anti-IL6R treatment.. <i>Scientific Reports</i> , 2021 , 11, 24285	4.9	0
163	The acute and long-term impact of physical activity on biochemical markers and MRI measures in osteoarthritisPerspectives for clinical osteoarthritis research. <i>Translational Sports Medicine</i> , 2020 , 3, 384-394	1.3	3
162	Characterization of the interleukin-17 effect on articular cartilage in a translational model: an explorative study. <i>BMC Rheumatology</i> , 2020 , 4, 30	2.9	7
161	Serum Biomarkers for Connective Tissue and Basement Membrane Remodeling are Associated with Vertebral Endplate Bone Marrow Lesions as Seen on MRI (Modic Changes). <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
160	Evaluation of serum ARGS neopeptide as an osteoarthritis biomarker using a standardized model for exercise-induced cartilage extra cellular matrix turnover. <i>Osteoarthritis and Cartilage Open</i> , 2020 , 2, 100060	1.5	3
159	Serological CTX-II does not measure the same as urinary CTX-II. <i>Osteoarthritis and Cartilage Open</i> , 2020 , 2, 100082	1.5	1
158	Correlation between serological biomarkers of extracellular matrix turnover and lung fibrosis and pulmonary artery hypertension in patients with systemic sclerosis. <i>International Journal of Rheumatic Diseases</i> , 2020 , 23, 532-539	2.3	7
157	Sprifermin (rhFGF18) versus vehicle induces a biphasic process of extracellular matrix remodeling in human knee OA articular cartilage ex vivo. <i>Scientific Reports</i> , 2020 , 10, 6011	4.9	13
156	Type III, IV, and VI Collagens Turnover in Systemic Sclerosis - a Longitudinal Study. <i>Scientific Reports</i> , 2020 , 10, 7145	4.9	3
155	Blood and urinary collagen markers in osteoarthritis: markers of tissue turnover and disease activity. <i>Expert Review of Molecular Diagnostics</i> , 2020 , 20, 57-68	3.8	2
154	Inflammation and joint destruction may be linked to the generation of cartilage metabolites of ADAMTS-5 through activation of toll-like receptors. <i>Osteoarthritis and Cartilage</i> , 2020 , 28, 658-668	6.2	13
153	The Janus kinase 1/2 inhibitor baricitinib reduces biomarkers of joint destruction in moderate to severe rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2020 , 22, 235	5.7	2
152	Bone phenotypes in rheumatology - there is more to bone than just bone. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 789	2.8	7

151	Serological Biomarkers of Tissue Turnover Identify Responders to Anti-TNF Therapy in Crohn's Disease: A Pilot Study. <i>Clinical and Translational Gastroenterology</i> , 2020 , 11, e00217	4.2	1
150	Matrix metalloproteinase-degraded type I collagen is associated with variants and preclinical dementia. <i>Neurology: Genetics</i> , 2020 , 6, e508	3.8	1
149	Dermal fibroblasts have different extracellular matrix profiles induced by TGF- β PDGF and IL-6 in a model for skin fibrosis. <i>Scientific Reports</i> , 2020 , 10, 17300	4.9	16
148	Cohort profile: The Applied Public-Private Research enabling OsteoArthritis Clinical Headway (IMI-APPROACH) study: a 2-year, European, cohort study to describe, validate and predict phenotypes of osteoarthritis using clinical, imaging and biochemical markers. <i>BMJ Open</i> , 2020 , 10, e035101	3	12
147	The Anti-ADAMTS-5 Nanobody M6495 Protects Cartilage Degradation Ex Vivo. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
146	A novel biomarker of MMP-cleaved prolargin is elevated in patients with psoriatic arthritis. <i>Scientific Reports</i> , 2020 , 10, 13541	4.9	3
145	Etanercept therapy leads to reductions in matrix metalloproteinase-3 in patients with erosive hand osteoarthritis. <i>Scandinavian Journal of Rheumatology</i> , 2020 , 49, 167-168	1.9	7
144	Clinical and biochemical factors associated with risk of total joint replacement and radiographic progression in osteoarthritis: Data from two phase III clinical trials. <i>Seminars in Arthritis and Rheumatism</i> , 2020 , 50, 1374-1381	5.3	8
143	Associations between biomarkers of bone and cartilage turnover, gender, pain categories and radiographic severity in knee osteoarthritis. <i>Arthritis Research and Therapy</i> , 2019 , 21, 203	5.7	19
142	The intestinal tissue homeostasis - the role of extracellular matrix remodeling in inflammatory bowel disease. <i>Expert Review of Gastroenterology and Hepatology</i> , 2019 , 13, 977-993	4.2	22
141	Tissue metabolite of type I collagen, C1M, and CRP predicts structural progression of rheumatoid arthritis. <i>BMC Rheumatology</i> , 2019 , 3, 3	2.9	13
140	Osteoarthritis phenotypes and novel therapeutic targets. <i>Biochemical Pharmacology</i> , 2019 , 165, 41-48	6	84
139	GPDPLQ-A Type II Collagen Neo-Epitope Biomarker of Osteoclast- and Inflammation-Derived Cartilage Degradation in vitro. <i>Scientific Reports</i> , 2019 , 9, 3050	4.9	1
138	Association of metabolites reflecting type III and VI collagen formation with modified Rodnan skin score in systemic sclerosis - a cross-sectional study. <i>Biomarkers</i> , 2019 , 24, 373-378	2.6	4
137	Tofacitinib and TPCA-1 exert chondroprotective effects on extracellular matrix turnover in bovine articular cartilage ex vivo. <i>Biochemical Pharmacology</i> , 2019 , 165, 91-98	6	9
136	Bone and Soft Tissue Turnover in Relation to All-cause Mortality in Postmenopausal Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 1098-1104	6.4	3
135	Metabolites of type I, II, III, and IV collagen may serve as markers of disease activity in axial spondyloarthritis. <i>Scientific Reports</i> , 2019 , 9, 11218	4.9	7
134	Incidence of total hip and total knee replacements from the prospective epidemiologic risk factor study: considerations for event driven clinical trial design. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 303	2.8	4

133	Expanding the citrullinome of synovial fibrinogen from rheumatoid arthritis patients. <i>Journal of Proteomics</i> , 2019 , 208, 103484	3.9	11
132	An Ex Vivo Tissue Culture Model of Cartilage Remodeling in Bovine Knee Explants. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	2
131	Recent advances in understanding the phenotypes of osteoarthritis. <i>F1000Research</i> , 2019 , 8,	3.6	45
130	Serological Assessment of the Quality of Wound Healing Processes in Crohn's Disease. <i>Journal of Gastrointestinal and Liver Diseases</i> , 2019 , 28, 175-182	1.4	5
129	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	6.2	8
128	Serological biomarker profiles of rapidly progressive osteoarthritis in tanezumab-treated patients. <i>Osteoarthritis and Cartilage</i> , 2019 , 27, 484-492	6.2	11
127	Osteoarthritis year in review 2018: biomarkers (biochemical markers). <i>Osteoarthritis and Cartilage</i> , 2019 , 27, 412-423	6.2	39
126	Potential diagnostic value of a type X collagen neo-epitope biomarker for knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2019 , 27, 611-620	6.2	18
125	Citrullinated vimentin and biglycan protein fingerprints as candidate serological biomarkers for disease activity in systemic sclerosis: a pilot study. <i>Biomarkers</i> , 2019 , 24, 249-254	2.6	7
124	Molecular taxonomy of osteoarthritis for patient stratification, disease management and drug development: biochemical markers associated with emerging clinical phenotypes and molecular endotypes. <i>Current Opinion in Rheumatology</i> , 2019 , 31, 80-89	5.3	41
123	Changes of patient-reported outcomes and protein fingerprint biomarkers after exercise therapy for axial spondyloarthritis. <i>Clinical Rheumatology</i> , 2019 , 38, 173-179	3.9	6
122	Protein biomarkers associated with pain mechanisms in osteoarthritis. <i>Journal of Proteomics</i> , 2019 , 190, 55-66	3.9	13
121	The VICM biomarker is released from activated macrophages and inhibited by anti-GM-CSF RmAb treatment in rheumatoid arthritis patients. <i>Clinical and Experimental Rheumatology</i> , 2019 , 37, 73-80	2.2	6
120	Metabolites of C-reactive protein and vimentin are associated with disease activity of axial spondyloarthritis. <i>Clinical and Experimental Rheumatology</i> , 2019 , 37, 358-366	2.2	6
119	Translational Biomarkers and Ex Vivo Models of Joint Tissues as a Tool for Drug Development in Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2018 , 70, 1419-1428	9.5	14
118	Aggrecanase degradation of type III collagen is associated with clinical knee pain. <i>Clinical Biochemistry</i> , 2018 , 58, 37-43	3.5	10
117	Development and use of biochemical markers in osteoarthritis: current update. <i>Current Opinion in Rheumatology</i> , 2018 , 30, 121-128	5.3	26
116	Biochemical marker discovery, testing and evaluation for facilitating OA drug discovery and development. <i>Drug Discovery Today</i> , 2018 , 23, 349-358	8.8	13

115	Blockade of GM-CSF pathway induced sustained suppression of myeloid and T cell activities in rheumatoid arthritis. <i>Rheumatology</i> , 2018 , 57, 175-184	3.9	22
114	Identification of pain categories associated with change in pain in patients receiving placebo: data from two phase 3 randomized clinical trials in symptomatic knee osteoarthritis. <i>BMC Musculoskeletal Disorders</i> , 2018 , 19, 17	2.8	6
113	A Novel High Sensitivity Type II Collagen Blood-Based Biomarker, PRO-C2, for Assessment of Cartilage Formation. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	19
112	Serum biomarkers of collagen turnover as potential diagnostic tools in diffuse systemic sclerosis: A cross-sectional study. <i>PLoS ONE</i> , 2018 , 13, e0207324	3.7	15
111	Is radiographic progression in radiographic axial spondyloarthritis related to matrix metalloproteinase degradation of extracellular matrix?. <i>RMD Open</i> , 2018 , 4, e000648	5.9	3
110	IL-6 receptor inhibition modulates type III collagen and C-reactive protein degradation in rheumatoid arthritis patients with an inadequate response to anti-tumour necrosis factor therapy: analysis of connective tissue turnover in the tocilizumab RADIATE study. <i>Clinical and Experimental Rheumatology</i> , 2018 , 36, 462-470	2.2	8
109	Increased remodelling of interstitial collagens and basement membrane is suppressed by treatment in patients with rheumatoid arthritis: serological evaluation of a one-year prospective study of 149 Japanese patients. <i>Clinical and Experimental Rheumatology</i> , 2018 , 36, 462-470	2.2	5
108	Type IV collagen metabolism is associated with disease activity, radiographic progression and response to tocilizumab in rheumatoid arthritis. <i>Clinical and Experimental Rheumatology</i> , 2018 , 36, 829-835	3.2	11
107	Identification of serological biomarker profiles associated with total joint replacement in osteoarthritis patients. <i>Osteoarthritis and Cartilage</i> , 2017 , 25, 866-877	6.2	12
106	Nidogen-1 Degraded by Cathepsin S can be Quantified in Serum and is Associated with Non-Small Cell Lung Cancer. <i>Neoplasia</i> , 2017 , 19, 271-278	6.4	23
105	Misbalance in type III collagen formation/degradation as a novel serological biomarker for penetrating (Montreal B3) Crohn's disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2017 , 46, 26-39	6.1	31
104	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	8	31
103	Sprifermin (rhFGF18) modulates extracellular matrix turnover in cartilage explants ex vivo. <i>Journal of Translational Medicine</i> , 2017 , 15, 250	8.5	38
102	Soluble biochemical markers of osteoarthritis: Are we close to using them in clinical practice?. <i>Best Practice and Research in Clinical Rheumatology</i> , 2017 , 31, 705-720	5.3	7
101	Sprifermin (rhFGF18) enables proliferation of chondrocytes producing a hyaline cartilage matrix. <i>Osteoarthritis and Cartilage</i> , 2017 , 25, 1858-1867	6.2	63
100	A machine learning approach for the identification of new biomarkers for knee osteoarthritis development in overweight and obese women. <i>Osteoarthritis and Cartilage</i> , 2017 , 25, 2014-2021	6.2	41
99	Effects of dietary weight loss with and without exercise on interstitial matrix turnover and tissue inflammation biomarkers in adults with knee osteoarthritis: the Intensive Diet and Exercise for Arthritis trial (IDEA). <i>Osteoarthritis and Cartilage</i> , 2017 , 25, 1822-1828	6.2	26
98	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	3.7	27

97	Excessive matrix metalloprotease-mediated degradation of interstitial tissue (type I collagen) independently predicts short-term survival in an observational study of postmenopausal women diagnosed with cancer. <i>Oncotarget</i> , 2017 , 8, 52501-52510	3.3	7
96	Preventive effects of kudzu root on bone loss and cartilage degradation in ovariectomized rats [corrected]. <i>American Journal of Translational Research (discontinued)</i> , 2017 , 9, 3517-3527	3	3
95	Unique insight into microenvironmental changes in colorectal cancer: assessment of matrix metalloprotease-mediated molecular changes in human colorectal tumor tissue and corresponding non-neoplastic adjacent tissue. <i>Oncology Letters</i> , 2017 , 13, 3774-3780	2.6	4
94	Type I and III collagen turnover is increased in axial spondyloarthritis and psoriatic arthritis. Associations with disease activity and diagnostic capacity. <i>Clinical and Experimental Rheumatology</i> , 2017 , 35, 653-659	2.2	6
93	Early changes in blood-based joint tissue destruction biomarkers are predictive of response to tocilizumab in the LITHE study. <i>Arthritis Research and Therapy</i> , 2016 , 18, 13	5.7	22
92	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	5.7	61
91	Intercritical circulating levels of neo-epitopes reflecting matrixmetalloprotease-driven degradation as markers of gout and frequent gout attacks. <i>Rheumatology</i> , 2016 , 55, 1642-6	3.9	3
90	CRP and a biomarker of type I collagen degradation, C1M, can differentiate anti-inflammatory treatment response in ankylosing spondylitis. <i>Biomarkers in Medicine</i> , 2016 , 10, 197-208	2.3	8
89	Cartilage collagen type II seromarker patterns in axial spondyloarthritis and psoriatic arthritis: associations with disease activity, smoking and HLA-B27. <i>Rheumatology International</i> , 2016 , 36, 541-9	3.6	8
88	Osteoarthritis year in review 2015: soluble biomarkers and the BIPED criteria. <i>Osteoarthritis and Cartilage</i> , 2016 , 24, 9-20	6.2	64
87	Inflammation (or synovitis)-driven osteoarthritis: an opportunity for personalizing prognosis and treatment?. <i>Scandinavian Journal of Rheumatology</i> , 2016 , 45, 87-98	1.9	35
86	Chondrocyte activity is increased in psoriatic arthritis and axial spondyloarthritis. <i>Arthritis Research and Therapy</i> , 2016 , 18, 141	5.7	15
85	Neo-Epitopes--Fragments of Cartilage and Connective Tissue Degradation in Early Rheumatoid Arthritis and Unclassified Arthritis. <i>PLoS ONE</i> , 2016 , 11, e0149329	3.7	13
84	The Need for Predictive, Prognostic, Objective and Complementary Blood-Based Biomarkers in Osteoarthritis (OA). <i>EBioMedicine</i> , 2016 , 7, 4-6	8.8	18
83	Abdominal wall hernias-A local manifestation of systemically impaired quality of the extracellular matrix. <i>Surgery</i> , 2016 , 160, 220-227	3.6	12
82	Sensitization and Serological Biomarkers in Knee Osteoarthritis Patients With Different Degrees of Synovitis. <i>Clinical Journal of Pain</i> , 2016 , 32, 841-8	3.5	25
81	Osteoarthritis biomarkers derived from cartilage extracellular matrix: Current status and future perspectives. <i>Annals of Physical and Rehabilitation Medicine</i> , 2016 , 59, 145-148	3.8	37
80	Remodeling of the Tumor Microenvironment Predicts Increased Risk of Cancer in Postmenopausal Women: The Prospective Epidemiologic Risk Factor (PERF I) Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2016 , 25, 1348-55	4	9

79	Quantification of fibronectin as a method to assess ex vivo extracellular matrix remodeling. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 586-91	3.4	14
78	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	6.2	180
77	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	4.3	48
76	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, 550-8	6.2	40
75	Treatment of symptomatic knee osteoarthritis with oral salmon calcitonin: results from two phase 3 trials. <i>Osteoarthritis and Cartilage</i> , 2015 , 23, 532-43	6.2	85
74	Clinical Drug Development Using Dynamic Biomarkers to Enable Personalized Health Care in COPD. <i>Chest</i> , 2015 , 148, 16-23	5.3	19
73	Novel insights into the function and dynamics of extracellular matrix in liver fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, G807-30	5.1	156
72	Identifying specific profiles in patients with different degrees of painful knee osteoarthritis based on serological biochemical and mechanistic pain biomarkers: a diagnostic approach based on cluster analysis. <i>Pain</i> , 2015 , 156, 96-107	8	47
71	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, 863-72	1.5	43
70	Investigating the Robustness and Diagnostic Potential of Extracellular Matrix Remodelling Biomarkers in Alkaptonuria. <i>JIMD Reports</i> , 2015 , 24, 29-37	1.9	10
69	Association between biochemical cartilage markers and clinical symptoms in patients with hip osteoarthritis: cohort study with 2-year follow-up. <i>Osteoarthritis and Cartilage</i> , 2015 , 23, 57-62	6.2	9
68	Synovitis biomarkers: ex vivo characterization of three biomarkers for identification of inflammatory osteoarthritis. <i>Biomarkers</i> , 2015 , 20, 547-56	2.6	27
67	Collagen degradation products measured in serum can separate ovarian and breast cancer patients from healthy controls: A preliminary study. <i>Cancer Biomarkers</i> , 2015 , 15, 783-8	3.8	37
66	The effect of protease inhibitors on the induction of osteoarthritis-related biomarkers in bovine full-depth cartilage explants. <i>PLoS ONE</i> , 2015 , 10, e0122700	3.7	7
65	Serum cartilage oligomeric matrix protein and development of radiographic and painful knee osteoarthritis. A community-based cohort of middle-aged women. <i>Biomarkers</i> , 2015 , 20, 557-64	2.6	27
64	The collagen turnover profile is altered in patients with inguinal and incisional hernia. <i>Surgery</i> , 2015 , 157, 312-21	3.6	37
63	Osteoarthritis--a case for personalized health care?. <i>Osteoarthritis and Cartilage</i> , 2014 , 22, 7-16	6.2	104
62	Rheumatoid arthritis: a case for personalized health care?. <i>Arthritis Care and Research</i> , 2014 , 66, 1273-80	4.7	19

61	Identification and characterisation of osteoarthritis patients with inflammation derived tissue turnover. <i>Osteoarthritis and Cartilage</i> , 2014 , 22, 44-50	6.2	73
60	Serum biomarkers reflecting specific tumor tissue remodeling processes are valuable diagnostic tools for lung cancer. <i>Cancer Medicine</i> , 2014 , 3, 1136-45	4.8	49
59	The coupling of bone and cartilage turnover in osteoarthritis: opportunities for bone antiresorptives and anabolics as potential treatments?. <i>Annals of the Rheumatic Diseases</i> , 2014 , 73, 336-48	2.4	138
58	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	2.8	67
57	Large scale meta-analysis of urinary C-terminal telopeptide, serum cartilage oligomeric protein and matrix metalloproteinase degraded type II collagen and their role in prevalence, incidence and progression of osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2014 , 22, 683-9	6.2	61
56	Biomarkers of cartilage and surrounding joint tissue. <i>Biomarkers in Medicine</i> , 2014 , 8, 713-31	2.3	17
55	Meta-analysis identifies loci affecting levels of the potential osteoarthritis biomarkers sCOMP and uCTX-II with genome wide significance. <i>Journal of Medical Genetics</i> , 2014 , 51, 596-604	5.8	15
54	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, 18789-803	6.3	32
53	Association between experimental pain biomarkers and serologic markers in patients with different degrees of painful knee osteoarthritis. <i>Arthritis and Rheumatology</i> , 2014 , 66, 3317-26	9.5	65
52	Alpha C-telopeptide 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, 2440-9	9.5	37
51	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	2.8	43
50	Serological biomarkers of joint tissue turnover predict tocilizumab response at baseline. <i>Journal of Clinical Rheumatology</i> , 2014 , 20, 332-5	1.1	16
49	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, 470-8	5.3	62
48	Circulating citrullinated vimentin fragments reflect disease burden in ankylosing spondylitis and have prognostic capacity for radiographic progression. <i>Arthritis and Rheumatism</i> , 2013 , 65, 972-80		48
47	The development and characterization of an ELISA specifically detecting the active form of cathepsin K. <i>Clinical Biochemistry</i> , 2013 , 46, 1601-6	3.5	8
46	Investigation of chondrocyte hypertrophy and cartilage calcification in a full-depth articular cartilage explants model. <i>Rheumatology International</i> , 2013 , 33, 401-11	3.6	21
45	The development and characterization of a competitive ELISA for measuring active ADAMTS-4 in a bovine cartilage ex vivo model. <i>Matrix Biology</i> , 2013 , 32, 143-51	11.4	11
44	Quantification of "end products" of tissue destruction in inflammation may reflect convergence of cytokine and signaling pathways -- implications for modern clinical chemistry. <i>Biomarkers</i> , 2013 , 18, 375-8	3.6	25

43	Bringing cancer serological diagnosis to a new level: focusing on HER2, protein ectodomain shedding and neoepitope technology. <i>Future Oncology</i> , 2013 , 9, 35-44	3.6	5
42	Extracellular matrix specific protein fingerprints measured in serum can separate pancreatic cancer patients from healthy controls. <i>BMC Cancer</i> , 2013 , 13, 554	4.8	39
41	Extracellular matrix remodeling: the common denominator in connective tissue diseases. Possibilities for evaluation and current understanding of the matrix as more than a passive architecture, but a key player in tissue failure. <i>Assay and Drug Development Technologies</i> , 2013 , 11, 70-92	2.1	185
40	Metabolic health in families enriched for longevity is associated with low prevalence of hand osteoarthritis and influences OA biomarker profiles. <i>Annals of the Rheumatic Diseases</i> , 2013 , 72, 1669-74 ^{2,4}	2.4	12
39	Serological identification of fast progressors of structural damage with rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2013 , 15, R86	5.7	63
38	Role of hormones in cartilage and joint metabolism: understanding an unhealthy metabolic phenotype in osteoarthritis. <i>Menopause</i> , 2013 , 20, 578-86	2.5	63
37	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	3.7	56
36	Oral salmon calcitonin attenuates hyperglycaemia and preserves pancreatic beta-cell area and function in Zucker diabetic fatty rats. <i>British Journal of Pharmacology</i> , 2012 , 167, 151-63	8.6	17
35	Matrix metalloproteinase-dependent turnover of cartilage, synovial membrane, and connective tissue is elevated in rats with collagen induced arthritis. <i>Journal of Translational Medicine</i> , 2012 , 10, 195	8.5	30
34	Future detection and monitoring of diabetes may entail analysis of both β -cell function and volume: how markers of β -cell loss may assist. <i>Journal of Translational Medicine</i> , 2012 , 10, 214	8.5	13
33	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, 131-9	5.3	62
32	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, 3565-72	3.6	52
31	The pathogenesis of osteoarthritis involves bone, cartilage and synovial inflammation: may estrogen be a magic bullet?. <i>Menopause International</i> , 2012 , 18, 139-46		34
30	The distribution pattern of critically short telomeres in human osteoarthritic knees. <i>Arthritis Research and Therapy</i> , 2012 , 14, R12	5.7	30
29	The inhibitory effect of salmon calcitonin on tri-iodothyronine induction of early hypertrophy in articular cartilage. <i>PLoS ONE</i> , 2012 , 7, e40081	3.7	4
28	Investigation of two novel biochemical markers of inflammation, matrix metalloproteinase and cathepsin generated fragments of C-reactive protein, in patients with ankylosing spondylitis. <i>Clinical and Experimental Rheumatology</i> , 2012 , 30, 371-9	2.2	28
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26	Glucocorticoids exert context-dependent effects on cells of the joint in vitro. <i>Steroids</i> , 2011 , 76, 1474-82 ^{2,8}	2.8	7

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23	Molecular serum and urine marker repertoire supporting clinical research on joint diseases. <i>Best Practice and Research in Clinical Rheumatology</i> , 2011 , 25, 859-72	5.3	7
22	Identification of the calcitonin receptor in osteoarthritic chondrocytes. <i>BMC Research Notes</i> , 2011 , 4, 407	2.3	12
21	A microarray analysis of full depth knee cartilage of ovariectomized rats. <i>BMC Research Notes</i> , 2011 , 4, 63	2.3	1
20	Estrogen inhibits Dlk1/FA1 production: a potential mechanism for estrogen effects on bone turnover. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 2548-51	6.3	18
19	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, 423-9	3.5	102
18	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	5.7	82
17	Lessons learned from the development of oral calcitonin: the first tablet formulation of a protein in phase III clinical trials. <i>Journal of Clinical Pharmacology</i> , 2011 , 51, 460-71	2.9	74
16	Diagnosis of Osteoarthritis by Cartilage Surface Smoothness Quantified Automatically from Knee MRI. <i>Cartilage</i> , 2011 , 2, 50-9	3	13
15	Serum Markers of Liver Fibrosis: Combining the BIPED Classification and the Neo-Epitope Approach in the Development of New Biomarkers. <i>Disease Markers</i> , 2010 , 28, 15-28	3.2	28
14	Oral salmon calcitonin--pharmacology in osteoporosis. <i>Expert Opinion on Biological Therapy</i> , 2010 , 10, 1617-29	5.4	37
13	Biochemical markers of joint tissue turnover. <i>Assay and Drug Development Technologies</i> , 2010 , 8, 118-24	2.1	19
12	Application of biochemical markers in development of drugs for treatment of osteoarthritis. <i>Biomarkers</i> , 2010 , 15, 1-19	2.6	30
11	Aggrecanase- and matrix metalloproteinase-mediated aggrecan degradation is associated with different molecular characteristics of aggrecan and separated in time ex vivo. <i>Biomarkers</i> , 2010 , 15, 266-76	2.6	20
10	Should biochemical markers of bone turnover be considered standard practice for safety pharmacology?. <i>Biomarkers</i> , 2010 , 15, 195-204	2.6	10
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