

AndrÃ© Struglics

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,692
citations

279798

23
h-index

289244

40
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57
all docs

57
docs citations

57
times ranked

1764
citing authors

#	ARTICLE	IF	CITATIONS
1	Human osteoarthritis synovial fluid and joint cartilage contain both aggrecanase- and matrix metalloproteinase-generated aggrecan fragments. <i>Osteoarthritis and Cartilage</i> , 2006, 14, 101-113.	1.3	177
2	A Missense Mutation in the Aggrecan C-type Lectin Domain Disrupts Extracellular Matrix Interactions and Causes Dominant Familial Osteochondritis Dissecans. <i>American Journal of Human Genetics</i> , 2010, 86, 126-137.	6.2	140
3	Interleukin-6 and tumor necrosis factor alpha in synovial fluid are associated with progression of radiographic knee osteoarthritis in subjects with previous meniscectomy. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1906-1914.	1.3	115
4	Changes in Cytokines and Aggrecan ARGS Neopeptide in Synovial Fluid and Serum and in C-terminal Crosslinking Telopeptide of Type II Collagen and N-terminal Crosslinking Telopeptide of Type I Collagen in Urine Over Five Years After Anterior Cruciate Ligament Rupture: An Exploratory Analysis in the Knee Anterior Cruciate Ligament, Nonsurgical Versus Surgical Treatment Trial. <i>Arthritis and Rheumatology</i> , 2015, 67, 1816-1825.	5.6	85
5	Synovial fluid level of aggrecan ARGS fragments is a more sensitive marker of joint disease than glycosaminoglycan or aggrecan levels: a cross-sectional study. <i>Arthritis Research and Therapy</i> , 2009, 11, R92.	3.5	82
6	The presence of a short redox chain in the membrane of intact potato tuber peroxisomes and the association of malate dehydrogenase with the peroxisomal membrane. <i>Physiologia Plantarum</i> , 1993, 88, 19-28.	5.2	73
7	Use of the plasma stromelysin (matrix metalloproteinase 3) concentration to predict joint space narrowing in knee osteoarthritis. <i>Arthritis and Rheumatism</i> , 2005, 52, 3160-3167.	6.7	69
8	The complement system is activated in synovial fluid from subjects with knee injury and from patients with osteoarthritis. <i>Arthritis Research and Therapy</i> , 2016, 18, 223.	3.5	69
9	Surgical reconstruction of ruptured anterior cruciate ligament prolongs trauma-induced increase of inflammatory cytokines in synovial fluid: an exploratory analysis in the KANON trial. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1443-1451.	1.3	68
10	Development and characterization of a highly specific and sensitive sandwich ELISA for detection of aggrecanase-generated aggrecan fragments. <i>Osteoarthritis and Cartilage</i> , 2006, 14, 702-713.	1.3	62
11	Osteoarthritis endotype discovery via clustering of biochemical marker data. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 666-675.	0.9	51
12	Purification of a serine and histidine phosphorylated mitochondrial nucleoside diphosphate kinase from <i>Pisum sativum</i> . <i>FEBS Journal</i> , 1999, 262, 765-773.	0.2	42
13	Protein phosphorylation/dephosphorylation in the inner membrane of potato tuber mitochondria. <i>FEBS Letters</i> , 2000, 475, 213-217.	2.8	42
14	Type II collagen C2C epitope in human synovial fluid and serum after knee injury – associations with molecular and structural markers of injury. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1506-1512.	1.3	40
15	Association between synovial fluid levels of aggrecan ARGS fragments and radiographic progression in knee osteoarthritis. <i>Arthritis Research and Therapy</i> , 2010, 12, R230.	3.5	39
16	Two Subunits of the FoF1-ATPase Are Phosphorylated in the Inner Mitochondrial Membrane. <i>Biochemical and Biophysical Research Communications</i> , 1998, 243, 664-668.	2.1	36
17	Human aggrecanase generated synovial fluid fragment levels are elevated directly after knee injuries due to proteolysis both in the inter globular and chondroitin sulfate domains. <i>Osteoarthritis and Cartilage</i> , 2011, 19, 1047-1057.	1.3	36
18	Western blot quantification of aggrecan fragments in human synovial fluid indicates differences in fragment patterns between joint diseases. <i>Osteoarthritis and Cartilage</i> , 2009, 17, 497-506.	1.3	34

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19	Soft Tissue Knee Injury With Concomitant Osteochondral Fracture Is Associated With Higher Degree of Acute Joint Inflammation. <i>American Journal of Sports Medicine</i> , 2014, 42, 1096-1102.	4.2	34
20	Impact of Exercise Therapy on Molecular Biomarkers Related to Cartilage and Inflammation in Individuals at Risk of, or With Established, Knee Osteoarthritis: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Arthritis Care and Research</i> , 2019, 71, 1504-1515.	3.4	33
21	An ARGS-aggrecan assay for analysis in blood and synovial fluid. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 242-249.	1.3	31
22	MMP proteolysis of the human extracellular matrix protein aggrecan is mainly a process of normal turnover. <i>Biochemical Journal</i> , 2012, 446, 213-223.	3.7	29
23	The association between changes in synovial fluid levels of ARGS-aggrecan fragments, progression of radiographic osteoarthritis and self-reported outcomes: a cohort study. <i>Osteoarthritis and Cartilage</i> , 2012, 20, 388-395.	1.3	29
24	Inflammatory Cytokines and Biomarkers of Cartilage Metabolism 8 Years After Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2015, 43, 1460-1466.	4.2	23
25	Molecular and Structural Biomarkers of Inflammation at Two Years After Acute Anterior Cruciate Ligament Injury Do Not Predict Structural Knee Osteoarthritis at Five Years. <i>Arthritis and Rheumatology</i> , 2019, 71, 238-243.	5.6	23
26	Calpain is involved in C-terminal truncation of human aggrecan. <i>Biochemical Journal</i> , 2010, 430, 531-538.	3.7	20
27	Relationship between synovial fluid biomarkers of articular cartilage metabolism and the patient's perspective of outcome depends on the severity of articular cartilage damage following ACL trauma. <i>Journal of Orthopaedic Research</i> , 2016, 34, 820-827.	2.3	17
28	Coculture of bovine cartilage with synovium and fibrous joint capsule increases aggrecanase and matrix metalloproteinase activity. <i>Arthritis Research and Therapy</i> , 2017, 19, 157.	3.5	17
29	Estimation of the identity of proteolytic aggrecan fragments using PAGE migration and Western immunoblot. <i>Osteoarthritis and Cartilage</i> , 2006, 14, 898-905.	1.3	16
30	Changes in synovial fluid and serum concentrations of cartilage oligomeric matrix protein over 5 years after anterior cruciate ligament rupture: an exploratory analysis in the KANON trial. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 1351-1358.	1.3	16
31	Dickkopf-related protein 1 and gremlin 1 show different response than frizzled-related protein in human synovial fluid following knee injury and in patients with osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 834-843.	1.3	15
32	Relationship between synovial fluid ARGS-aggrecan fragments, cytokines, MMPs, and TIMPs following acute ACL injury: A cross-sectional study. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1796-1803.	2.3	14
33	Cathepsin g Degrades Both Glycosylated and Unglycosylated Regions of Lubricin, a Synovial Mucin. <i>Scientific Reports</i> , 2020, 10, 4215.	3.3	14
34	Phosphoproteins and Protein Kinase Activities Intrinsic to Inner Membranes of Potato Tuber Mitochondria. <i>Plant and Cell Physiology</i> , 1999, 40, 1271-1279.	3.1	12
35	A comparison of different purification methods of aggrecan fragments from human articular cartilage and synovial fluid. <i>Matrix Biology</i> , 2010, 29, 74-83.	3.6	12
36	Aggrecanase cleavage in juvenile idiopathic arthritis patients is minimally detected in the aggrecan interglobular domain but robust at the aggrecan C-terminus. <i>Arthritis and Rheumatism</i> , 2012, 64, 4151-4161.	6.7	12

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37	Safety, Pharmacokinetics, and Pharmacodynamics of the ADAMTSâ€”5 Inhibitor GLPG1972/S201086 in Healthy Volunteers and Participants With Osteoarthritis of the Knee or Hip. <i>Clinical Pharmacology in Drug Development</i> , 2022, 11, 112-122.	1.6	10
38	Proteomic analysis reveals dexamethasone rescues matrix breakdown but not anabolic dysregulation in a cartilage injury model. <i>Osteoarthritis and Cartilage Open</i> , 2020, 2, 100099.	2.0	9
39	Molecular and imaging biomarkers of local inflammation at 2 years after anterior cruciate ligament injury do not associate with patient reported outcomes at 5 years. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 356-362.	1.3	7
40	Proteomic clustering reveals the kinetics of disease biomarkers in bovine and human models of post-traumatic osteoarthritis. <i>Osteoarthritis and Cartilage Open</i> , 2021, 3, 100191.	2.0	7
41	An Anterior Cruciate Ligament Rupture Increases Levels of Urine N-terminal Cross-linked Telopeptide of Type I Collagen, Urine C-terminal Cross-linked Telopeptide of Type II Collagen, Serum Aggrecan ARGS Neopeptide, and Serum Tumor Necrosis Factorâ€”1â„±. <i>American Journal of Sports Medicine</i> , 2021, 49, 3534-3543.	4.2	6
42	Technical performance of a proximity extension assay inflammation biomarker panel with synovial fluid. <i>Osteoarthritis and Cartilage Open</i> , 2022, 4, 100293.	2.0	6
43	Plasma pro-inflammatory cytokines, IgM-uria and cardiovascular events in patients with chest pain: A comparative study. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2015, 75, 638-645.	1.2	5
44	Activation of Complement by Pigment Epitheliumâ€”Derived Factor in Rheumatoid Arthritis. <i>Journal of Immunology</i> , 2017, 199, 1113-1121.	0.8	4
45	The role of cartilage glycosaminoglycan structure in gagCEST. <i>NMR in Biomedicine</i> , 2020, 33, e4259.	2.8	3
46	Î±1-Microglobulin Protects Against Bleeding-Induced Oxidative Damage in Knee Arthropathies. <i>Frontiers in Physiology</i> , 2018, 9, 1596.	2.8	2
47	Juvenile idiopathic arthritis patients have a distinct cartilage and bone biomarker profile that differs from healthy and knee-injured children. <i>Clinical and Experimental Rheumatology</i> , 2020, 38, 355-365.	0.8	2
48	Novel missense ACAN gene variants linked to familial osteochondritis dissecans cluster in the C-terminal globular domain of aggrecan. <i>Scientific Reports</i> , 2022, 12, 5215.	3.3	2
49	Is good muscle function a protective factor for early signs of knee osteoarthritis after anterior cruciate ligament reconstruction? The SHIELD cohort study protocol. <i>Osteoarthritis and Cartilage Open</i> , 2020, 2, 100102.	2.0	1
50	Higher aggrecan 1-F21 epitope concentration in synovial fluid early after anterior cruciate ligament injury is associated with worse knee cartilage quality assessed by gadolinium enhanced magnetic resonance imaging 20â€”years later. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 798.	1.9	1
51	Reply. <i>Arthritis and Rheumatology</i> , 2019, 71, 1588-1588.	5.6	0
52	AB0800â€”...ESTABLISHMENT OF TECHNICAL PERFORMANCE CRITERIA AND REFERENCE INTERVALS FOR OSTEOARTHRITIS-RELATED SOLUBLE BIOMARKERS: THE APPROACH CONSORTIUM. , 2019, , .		0
53	Associations Between Physical Activity, Self-reported Joint Function, and Molecular Biomarkers in Working Age Individuals With Hip and/or Knee Osteoarthritis. <i>Clinical Medicine Insights: Arthritis and Musculoskeletal Disorders</i> , 2022, 15, 117954412210810.	1.2	0