

Virginia B Kraus

List of Publications by Year in descending order

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Version: 2024-02-01

166
papers

7,985
citations

53660

45
h-index

62479

80
g-index

199
all docs

199
docs citations

199
times ranked

9455
citing authors

#	ARTICLE	IF	CITATIONS
1	Colchicineâ€”Update on mechanisms of action and therapeutic uses. <i>Seminars in Arthritis and Rheumatism</i> , 2015, 45, 341-350.	1.6	588
2	Progress in intra-articular therapy. <i>Nature Reviews Rheumatology</i> , 2014, 10, 11-22.	3.5	375
3	A comparative assessment of alignment angle of the knee by radiographic and physical examination methods. <i>Arthritis and Rheumatism</i> , 2005, 52, 1730-1735.	6.7	281
4	Uric acid is a danger signal of increasing risk for osteoarthritis through inflammasome activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2088-2093.	3.3	219
5	The Role of Innate Immunity in Osteoarthritis: When Our First Line of Defense Goes On the Offensive. <i>Journal of Rheumatology</i> , 2015, 42, 363-371.	1.0	207
6	Soluble Macrophage Biomarkers Indicate Inflammatory Phenotypes in Patients With Knee Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2015, 67, 956-965.	2.9	188
7	Predictive validity of biochemical biomarkers in knee osteoarthritis: data from the FNIH OA Biomarkers Consortium. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 186-195.	0.5	187
8	Does lipopolysaccharide-mediated inflammation have a role in OA?. <i>Nature Reviews Rheumatology</i> , 2016, 12, 123-129.	3.5	170
9	Synovial cell cross-talk with cartilage plays a major role in the pathogenesis of osteoarthritis. <i>Scientific Reports</i> , 2020, 10, 10868.	1.6	161
10	Biomarkers for osteoarthritis: Current position and steps towards further validation. <i>Best Practice and Research in Clinical Rheumatology</i> , 2014, 28, 61-71.	1.4	155
11	Collagen gene expression and mechanical properties of intervertebral disc cellâ€”alginate cultures. <i>Journal of Orthopaedic Research</i> , 2001, 19, 2-10.	1.2	133
12	Biomarkers as drug development tools: discovery, validation, qualification and use. <i>Nature Reviews Rheumatology</i> , 2018, 14, 354-362.	3.5	122
13	Intravenous and Topical Tranexamic Acid Alone Are Superior to Tourniquet Use for Primary Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 2053-2061.	1.4	121
14	Effects of a Single Intra-Articular Injection of a Microsphere Formulation of Triamcinolone Acetonide on Knee Osteoarthritis Pain. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 666-677.	1.4	120
15	Dietary fatty acid content regulates wound repair and the pathogenesis of osteoarthritis following joint injury. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 2076-2083.	0.5	115
16	Revisiting the association of blood pressure with mortality in oldest old people in China: community based, longitudinal prospective study. <i>BMJ: British Medical Journal</i> , 2018, 361, k2158.	2.4	112
17	Synovial fluid biomarkers associated with osteoarthritis severity reflect macrophage and neutrophil related inflammation. <i>Arthritis Research and Therapy</i> , 2019, 21, 146.	1.6	112
18	Semiquantitative Imaging Biomarkers of Knee Osteoarthritis Progression: Data From the Foundation for the National Institutes of Health Osteoarthritis Biomarkers Consortium. <i>Arthritis and Rheumatology</i> , 2016, 68, 2422-2431.	2.9	110

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19	Effects of Physical Activity in Knee and Hip Osteoarthritis: A Systematic Umbrella Review. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1324-1339.	0.2	110
20	Genome-wide expression profiles of subchondral bone in osteoarthritis. <i>Arthritis Research and Therapy</i> , 2013, 15, R190.	1.6	103
21	Ascorbic acid increases the severity of spontaneous knee osteoarthritis in a guinea pig model. <i>Arthritis and Rheumatism</i> , 2004, 50, 1822-1831.	6.7	99
22	The effectiveness of low-level laser therapy for nonspecific chronic low back pain: a systematic review and meta-analysis. <i>Arthritis Research and Therapy</i> , 2015, 17, 360.	1.6	98
23	Ten weeks of high-intensity interval walk training is associated with reduced disease activity and improved innate immune function in older adults with rheumatoid arthritis: a pilot study. <i>Arthritis Research and Therapy</i> , 2018, 20, 127.	1.6	98
24	Longitudinal validation of periarticular bone area and 3D shape as biomarkers for knee OA progression? Data from the FNIH OA Biomarkers Consortium. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1607-1614.	0.5	95
25	Trabecular morphometry by fractal signature analysis is a novel marker of osteoarthritis progression. <i>Arthritis and Rheumatism</i> , 2009, 60, 3711-3722.	6.7	94
26	Conditional Macrophage Depletion Increases Inflammation and Does Not Inhibit the Development of Osteoarthritis in Obese Macrophage Fas ⁺ -Induced Apoptosis ⁺ Transgenic Mice. <i>Arthritis and Rheumatology</i> , 2017, 69, 1772-1783.	2.9	94
27	Low-Grade Inflammation in Symptomatic Knee Osteoarthritis: Prognostic Value of Inflammatory Plasma Lipids and Peripheral Blood Leukocyte Biomarkers. <i>Arthritis and Rheumatology</i> , 2015, 67, 2905-2915.	2.9	93
28	A Multicenter Study of Early Anti-inflammatory Treatment in Patients With Acute Anterior Cruciate Ligament Tear. <i>American Journal of Sports Medicine</i> , 2017, 45, 325-333.	1.9	91
29	Establishing outcome measures in early knee osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2019, 15, 438-448.	3.5	88
30	Meteorin-like facilitates skeletal muscle repair through a Stat3/IGF-1 mechanism. <i>Nature Metabolism</i> , 2020, 2, 278-289.	5.1	87
31	Inflammatory Cytokines and Matrix Metalloproteinases in the Synovial Fluid After Intra-articular Ankle Fracture. <i>Foot and Ankle International</i> , 2015, 36, 1264-1271.	1.1	76
32	Urea as a passive transport marker for arthritis biomarker studies. <i>Arthritis and Rheumatism</i> , 2002, 46, 420-427.	6.7	72
33	Synergistic Roles of Macrophages and Neutrophils in Osteoarthritis Progression. <i>Arthritis and Rheumatology</i> , 2021, 73, 89-99.	2.9	72
34	Biomarkers and proteomic analysis of osteoarthritis. <i>Matrix Biology</i> , 2014, 39, 56-66.	1.5	68
35	First Qualification Study of Serum Biomarkers as Indicators of Total Body Burden of Osteoarthritis. <i>PLoS ONE</i> , 2010, 5, e9739.	1.1	68
36	Synovial Fluid Profile at the Time of Anterior Cruciate Ligament Reconstruction and Its Association With Cartilage Matrix Composition 3 Years After Surgery. <i>American Journal of Sports Medicine</i> , 2018, 46, 890-899.	1.9	64

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37	Immune cell extracellular vesicles and their mitochondrial content decline with ageing. <i>Immunity and Ageing</i> , 2020, 17, 1.	1.8	64
38	Molecular alterations in skeletal muscle in rheumatoid arthritis are related to disease activity, physical inactivity, and disability. <i>Arthritis Research and Therapy</i> , 2017, 19, 12.	1.6	63
39	Subchondral Bone Trabecular Integrity Predicts and Changes Concurrently With Radiographic and Magnetic Resonance Imagingâ€”Determined Knee Osteoarthritis Progression. <i>Arthritis and Rheumatism</i> , 2013, 65, 1812-1821.	6.7	60
40	Elucidating the Molecular Composition of Cartilage by Proteomics. <i>Journal of Proteome Research</i> , 2016, 15, 374-388.	1.8	57
41	Fine Particulate Matter and Poor Cognitive Function among Chinese Older Adults: Evidence from a Community-Based, 12-Year Prospective Cohort Study. <i>Environmental Health Perspectives</i> , 2020, 128, 67013.	2.8	57
42	Faecal microbiota transplantation from metabolically compromised human donors accelerates osteoarthritis in mice. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 646-656.	0.5	55
43	Associations of regular glucosamine use with all-cause and cause-specific mortality: a large prospective cohort study. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 829-836.	0.5	55
44	Low-density lipoprotein cholesterol was inversely associated with 3-year all-cause mortality among Chinese oldest old: Data from the Chinese Longitudinal Healthy Longevity Survey. <i>Atherosclerosis</i> , 2015, 239, 137-142.	0.4	52
45	Associations of habitual fish oil supplementation with cardiovascular outcomes and all cause mortality: evidence from a large population based cohort study. <i>BMJ, The</i> , 2020, 368, m456.	3.0	50
46	Semi-quantitative MRI biomarkers of knee osteoarthritis progression in the FNII biomarkers consortium cohortâ€”Methodologic aspects and definition of change. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 466.	0.8	48
47	Association of Body Mass Index With Disability in Activities of Daily Living Among Chinese Adults 80 Years of Age or Older. <i>JAMA Network Open</i> , 2018, 1, e181915.	2.8	48
48	Specific Leisure Activities and Cognitive Functions Among the Oldest-Old: The Chinese Longitudinal Healthy Longevity Survey. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 739-746.	1.7	47
49	Predictive Validity of Radiographic Trabecular Bone Texture in Knee Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2018, 70, 80-87.	2.9	46
50	Urinary type II collagen neoepitope as an outcome measure for relapsing polychondritis. <i>Arthritis and Rheumatism</i> , 2003, 48, 2942-2948.	6.7	45
51	Associations between superoxide dismutase, malondialdehyde and all-cause mortality in older adults: a community-based cohort study. <i>BMC Geriatrics</i> , 2019, 19, 104.	1.1	45
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, 2440-2449.	2.9	43
53	Association of cognitive impairment and elderly mortality: differences between two cohorts ascertained 6-years apart in China. <i>BMC Geriatrics</i> , 2020, 20, 29.	1.1	43
54	Protein Modification by Deamidation Indicates Variations in Joint Extracellular Matrix Turnover. <i>Journal of Biological Chemistry</i> , 2012, 287, 4640-4651.	1.6	41

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55	Biomarkers of inflammation â€“ LBP and TLRâ€” predict progression of knee osteoarthritis in the DOXY clinical trial. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 1658-1665.	0.6	40
56	Biomarkers in osteoarthritis. <i>Current Opinion in Rheumatology</i> , 2005, 17, 641-646.	2.0	39
57	A novel inflammatory biomarker, GlycA, associates with disease activity in rheumatoid arthritis and cardio-metabolic risk in BMI-matched controls. <i>Arthritis Research and Therapy</i> , 2016, 18, 86.	1.6	39
58	A U-shaped Association Between Blood Pressure and Cognitive Impairment in Chinese Elderly. <i>Journal of the American Medical Directors Association</i> , 2017, 18, 193.e7-193.e13.	1.2	39
59	Establishment of reference intervals for osteoarthritis-related soluble biomarkers: the FNIH/OARSI OA Biomarkers Consortium. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 179-185.	0.5	39
60	Inflammatory Microenvironment Persists After Bone Healing in Intra-articular Ankle Fractures. <i>Foot and Ankle International</i> , 2017, 38, 479-484.	1.1	39
61	Matrix metalloproteinase activity and prostaglandin E2 are elevated in the synovial fluid of meniscus tear patients. <i>Connective Tissue Research</i> , 2017, 58, 305-316.	1.1	39
62	Higher dietary diversity scores and protein-rich food consumption were associated with lower risk of all-cause mortality in the oldest old. <i>Clinical Nutrition</i> , 2020, 39, 2246-2254.	2.3	38
63	Triglycerides Paradox Among the Oldest Old: â€œThe Lower the Better?â€ Journal of the American Geriatrics Society, 2019, 67, 741-748.	1.3	37
64	High-Density Lipoprotein Cholesterol and All-Cause and Cause-Specific Mortality Among the Elderly. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3370-3378.	1.8	35
65	Interleukin 1 receptor antagonist (<i>IL1RN</i>) gene variants predict radiographic severity of knee osteoarthritis and risk of incident disease. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 400-407.	0.5	35
66	Daily variation of serum acylcarnitines and amino acids. <i>Metabolomics</i> , 2012, 8, 556-565.	1.4	34
67	Analysis of â€œoldâ€-proteins unmask dynamic gradient of cartilage turnover in human limbs. <i>Science Advances</i> , 2019, 5, eaax3203.	4.7	34
68	Osteoarthritis: Current Molecular Biomarkers and the Way Forward. <i>Calcified Tissue International</i> , 2021, 109, 329-338.	1.5	34
69	Genderâ€dependent association of body mass index and waist circumference with disability in the chinese oldest old. <i>Obesity</i> , 2014, 22, 1918-1925.	1.5	33
70	Proposed study designs for approval based on a surrogate endpoint and a post-marketing confirmatory study under FDA's accelerated approval regulations for disease modifying osteoarthritis drugs. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 571-579.	0.6	33
71	Joint Fluid Proteome after Anterior Cruciate Ligament Rupture Reflects an Acute Posttraumatic Inflammatory and Chondrodegenerative State. <i>Cartilage</i> , 2020, 11, 329-337.	1.4	32
72	The obesity paradox is mostly driven by decreased noncardiovascular disease mortality in the oldest old in China: a 20-year prospective cohort study. <i>Nature Aging</i> , 2022, 2, 389-396.	5.3	32

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73	Glycated Hemoglobin and All-Cause and Cause-Specific Mortality Among Adults With and Without Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3345-3354.	1.8	31
74	Defining multiple joint osteoarthritis, its frequency and impact in a community-based cohort. <i>Seminars in Arthritis and Rheumatism</i> , 2019, 48, 950-957.	1.6	31
75	Inverse association of general joint hypermobility with hand and knee osteoarthritis and serum cartilage oligomeric matrix protein levels. <i>Arthritis and Rheumatism</i> , 2008, 58, 3854-3864.	6.7	30
76	Association Between Late-Life Blood Pressure and the Incidence of Cognitive Impairment: A Community-Based Prospective Cohort Study. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 177-182.e2.	1.2	29
77	Long-term exposure to PM2.5 and incidence of disability in activities of daily living among oldest old. <i>Environmental Pollution</i> , 2020, 259, 113910.	3.7	29
78	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.	2.0	28
79	Monosodium urate crystal induced macrophage inflammation is attenuated by chondroitin sulphate: pre-clinical model for gout prophylaxis?. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 318.	0.8	27
80	Logistical challenges and design considerations for studies using acute anterior cruciate ligament injury as a potential model for early posttraumatic osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2017, 35, 641-650.	1.2	27
81	Associations of Body Mass Index and Waist Circumference with 3-Year All-Cause Mortality Among the Oldest Old: Evidence from a Chinese Community-Based Prospective Cohort Study. <i>Journal of the American Medical Directors Association</i> , 2018, 19, 672-678.e4.	1.2	27
82	Do biochemical markers have a role in osteoarthritis diagnosis and treatment?. <i>Best Practice and Research in Clinical Rheumatology</i> , 2006, 20, 69-80.	1.4	26
83	Calorie restriction improves lipid-related emerging cardiometabolic risk factors in healthy adults without obesity: Distinct influences of BMI and sex from CALERIE, a multicentre, phase 2, randomised controlled trial. <i>EClinicalMedicine</i> , 2022, 43, 101261.	3.2	26
84	Cartilage biomarkers in the osteoarthropathy of alkaptonuria reveal low turnover and accelerated ageing. <i>Rheumatology</i> , 2017, 56, 156-164.	0.9	25
85	Time-Dependent Effects on Synovial Fluid Composition During the Acute Phase of Human Intra-articular Ankle Fracture. <i>Foot and Ankle International</i> , 2017, 38, 1055-1063.	1.1	25
86	Multivariable Modeling of Biomarker Data From the Phase I Foundation for the National Institutes of Health Osteoarthritis Biomarkers Consortium. <i>Arthritis Care and Research</i> , 2022, 74, 1142-1153.	1.5	25
87	The effects of intravenous doxycycline therapy for rheumatoid arthritis: A randomized, double-blind, placebo-controlled trial. <i>Arthritis and Rheumatism</i> , 2001, 44, 1043-1047.	6.7	24
88	Adipose Depots, Not Disease-related Factors, Account for Skeletal Muscle Insulin Sensitivity in Established and Treated Rheumatoid Arthritis. <i>Journal of Rheumatology</i> , 2014, 41, 1974-1979.	1.0	24
89	Cytokine biomarkers in tear film for primary open-angle glaucoma. <i>Clinical Ophthalmology</i> , 2017, Volume 11, 411-416.	0.9	24
90	Dietary Diversity Was Positively Associated with Psychological Resilience among Elders: A Population-Based Study. <i>Nutrients</i> , 2019, 11, 650.	1.7	24

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91	Safety and Efficacy of Repeat Administration of Triamcinolone Acetonide Extended-release in Osteoarthritis of the Knee: A Phase 3b, Open-label Study. <i>Rheumatology and Therapy</i> , 2019, 6, 109-124.	1.1	24
92	Palmitoyl Acyltransferase, Zdhhc13, Facilitates Bone Mass Acquisition by Regulating Postnatal Epiphyseal Development and Endochondral Ossification: A Mouse Model. <i>PLoS ONE</i> , 2014, 9, e92194.	1.1	24
93	A Novel Analytic Technique to Measure Associations Between Circulating Biomarkers and Physical Performance Across the Adult Life Span. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 196-202.	1.7	23
94	Rejuvenation of Neutrophil Functions in Association With Reduced Diabetes Risk Following Ten Weeks of Low-Volume High Intensity Interval Walking in Older Adults With Prediabetes – A Pilot Study. <i>Frontiers in Immunology</i> , 2020, 11, 729.	2.2	23
95	Upper partial fibulectomy improves knee biomechanics and function and decreases knee pain of osteoarthritis: A pilot and biomechanical study. <i>Journal of Biomechanics</i> , 2018, 71, 22-29.	0.9	22
96	Association between general joint hypermobility and knee, hip, and lumbar spine osteoarthritis by race: a cross-sectional study. <i>Arthritis Research and Therapy</i> , 2018, 20, 76.	1.6	22
97	Number of natural teeth, denture use and mortality in Chinese elderly: a population-based prospective cohort study. <i>BMC Oral Health</i> , 2020, 20, 100.	0.8	22
98	Association Between Biochemical Markers of Bone Turnover and Bone Changes on Imaging: Data From the Osteoarthritis Initiative. <i>Arthritis Care and Research</i> , 2017, 69, 1179-1191.	1.5	21
99	Lowering circulating apolipoprotein E levels improves aged bone fracture healing. <i>JCI Insight</i> , 2019, 4, .	2.3	21
100	The zinc link. <i>Nature</i> , 2014, 507, 441-442.	13.7	20
101	Colchicine effectiveness in symptom and inflammation modification in knee osteoarthritis (COLKOA): study protocol for a randomized controlled trial. <i>Trials</i> , 2015, 16, 200.	0.7	20
102	Meta-analysis of pain and function placebo responses in pharmacological osteoarthritis trials. <i>Arthritis Research and Therapy</i> , 2019, 21, 173.	1.6	19
103	A low cartilage formation and repair endotype predicts radiographic progression of symptomatic knee osteoarthritis. <i>Journal of Orthopaedics and Traumatology</i> , 2021, 22, 10.	1.0	19
104	Biomarkers Associated with Physical Resilience After Hip Fracture. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, e166-e172.	1.7	19
105	Post-translational aging of proteins in osteoarthritic cartilage and synovial fluid as measured by isomerized aspartate. <i>Arthritis Research and Therapy</i> , 2009, 11, R55.	1.6	18
106	Genome-wide association meta-analyses to identify common genetic variants associated with hallux valgus in Caucasian and African Americans. <i>Journal of Medical Genetics</i> , 2015, 52, 762-769.	1.5	18
107	Effect of Aging on Adipose Tissue Inflammation in the Knee Joints of F344BN Rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1131-1140.	1.7	18
108	Effect of high-intensity interval training on muscle remodeling in rheumatoid arthritis compared to prediabetes. <i>Arthritis Research and Therapy</i> , 2018, 20, 283.	1.6	18

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109	Trends in the Incidence of Activities of Daily Living Disability Among Chinese Older Adults From 2002 to 2014. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 2113-2118.	1.7	17
110	Relationship of Joint Hypermobility with Ankle and Foot Radiographic Osteoarthritis and Symptoms in a Community-Based Cohort. <i>Arthritis Care and Research</i> , 2019, 71, 538-544.	1.5	16
111	Transgenic conversion of ω -6 to ω -3 polyunsaturated fatty acids via fat-1 reduces the severity of post-traumatic osteoarthritis. <i>Arthritis Research and Therapy</i> , 2020, 22, 83.	1.6	16
112	Profiling and targeting connective tissue remodeling in autoimmunity - A novel paradigm for diagnosing and treating chronic diseases. <i>Autoimmunity Reviews</i> , 2021, 20, 102706.	2.5	16
113	Does a lack of physical activity explain the rheumatoid arthritis lipid profile?. <i>Lipids in Health and Disease</i> , 2017, 16, 39.	1.2	15
114	Age-Related Adverse Inflammatory and Metabolic Changes Begin Early in Adulthood. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 283-289.	1.7	15
115	Associations of plasma high-sensitivity C-reactive protein concentrations with all-cause and cause-specific mortality among middle-aged and elderly individuals. <i>Immunity and Ageing</i> , 2019, 16, 28.	1.8	15
116	Relationship of joint hypermobility with low Back pain and lumbar spine osteoarthritis. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 158.	0.8	15
117	Development and Validation of a Nomogram for Predicting the 6-Year Risk of Cognitive Impairment Among Chinese Older Adults. <i>Journal of the American Medical Directors Association</i> , 2020, 21, 864-871.e6.	1.2	15
118	Single cell transcriptomics in human osteoarthritis synovium and in silico deconvoluted bulk RNA sequencing. <i>Osteoarthritis and Cartilage</i> , 2022, 30, 475-480.	0.6	15
119	Collagen Biomarkers for Arthritis Applications. <i>Biomarker Insights</i> , 2006, 1, 117727190600100.	1.0	13
120	Dietary Patterns Associated with Cognitive Function among the Older People in Underdeveloped Regions: Finding from the NCDFaC Study. <i>Nutrients</i> , 2018, 10, 464.	1.7	13
121	Plasma MicroRNAs in Established Rheumatoid Arthritis Relate to Adiposity and Altered Plasma and Skeletal Muscle Cytokine and Metabolic Profiles. <i>Frontiers in Immunology</i> , 2019, 10, 1475.	2.2	13
122	A template for physical resilience research in older adults: Methods of the <sc>PRIME</sc> KNEE study. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 3232-3241.	1.3	13
123	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.	1.6	13
124	Evidence and mechanism by which upper partial fibulectomy improves knee biomechanics and decreases knee pain of osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2099-2108.	1.2	12
125	The combination of an inflammatory peripheral blood gene expression and imaging biomarkers enhance prediction of radiographic progression in knee osteoarthritis. <i>Arthritis Research and Therapy</i> , 2020, 22, 208.	1.6	11
126	Effects of Amount, Intensity, and Mode of Exercise Training on Insulin Resistance and Type 2 Diabetes Risk in the STRRIDE Randomized Trials. <i>Frontiers in Physiology</i> , 2021, 12, 626142.	1.3	11

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127	Serum N-propeptide of collagen IIA (PIANP) as a marker of radiographic osteoarthritis burden. <i>PLoS ONE</i> , 2017, 12, e0190251.	1.1	11
128	Rejuvenation of neutrophils and their extracellular vesicles is associated with enhanced aged fracture healing. <i>Aging Cell</i> , 2022, 21, .	3.0	11
129	Xanthine oxidase injurious response in acute joint injury. <i>Clinica Chimica Acta</i> , 2015, 451, 170-174.	0.5	10
130	Inflammatory, Structural, and Pain Biochemical Biomarkers May Reflect Radiographic Disc Space Narrowing: The Johnston County Osteoarthritis Project. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1027-1037.	1.2	10
131	Extracellular Vesicles as Biological Indicators and Potential Sources of Autologous Therapeutics in Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8351.	1.8	10
132	Joint hypermobility is not positively associated with prevalent multiple joint osteoarthritis: a cross-sectional study of older adults. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 165.	0.8	9
133	TNF-Î± Carried by Plasma Extracellular Vesicles Predicts Knee Osteoarthritis Progression. <i>Frontiers in Immunology</i> , 2021, 12, 758386.	2.2	9
134	Chondroitin Sulfate Inhibits Monocyte Chemoattractant Protein-1 Release From 3T3-L1 Adipocytes: A New Treatment Opportunity for Obesity-Related Inflammation?. <i>Biomarker Insights</i> , 2017, 12, 117727191772696.	1.0	8
135	Combined associations of hs-CRP and cognitive function with all-cause mortality among oldest-old adults in Chinese longevity areas: a prospective cohort study. <i>Immunity and Ageing</i> , 2019, 16, 30.	1.8	8
136	Different Phenotypes of Osteoarthritis in the Lumbar Spine Reflected by Demographic and Clinical Characteristics: The Johnston County Osteoarthritis Project. <i>Arthritis Care and Research</i> , 2020, 72, 974-981.	1.5	8
137	Long-term exposure to ambient fine particulate matter and fasting blood glucose level in a Chinese elderly cohort. <i>Science of the Total Environment</i> , 2020, 717, 137191.	3.9	8
138	Association of sleep and circadian patterns and genetic risk with incident type 2 diabetes: a large prospective population-based cohort study. <i>European Journal of Endocrinology</i> , 2021, 185, 765-774.	1.9	8
139	Serum C-Reactive Protein (CRP), Target for Therapy or Trouble?. <i>Biomarker Insights</i> , 2007, 1, 77-80.	1.0	8
140	Healthy Sleep Associated With Lower Risk of Hypertension Regardless of Genetic Risk: A Population-Based Cohort Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 769130.	1.1	8
141	Metabolic and physiological effects of high intensity interval training in patients with knee osteoarthritis: A pilot and feasibility study. <i>Osteoarthritis and Cartilage Open</i> , 2020, 2, 100083.	0.9	7
142	Predictors of Lumbar Spine Degeneration and Low Back Pain in the Community: The Johnston County Osteoarthritis Project. <i>Arthritis Care and Research</i> , 2022, 74, 1659-1666.	1.5	7
143	Leisure activities and disability in activities of daily living among the oldest-old Chinese population: evidence from the Chinese Longitudinal Healthy Longevity Study. <i>Aging</i> , 2020, 12, 10687-10703.	1.4	7
144	Biomarker clusters differentiate phenotypes of lumbar spine degeneration and low back pain: The Johnston County Osteoarthritis Project. <i>Osteoarthritis and Cartilage Open</i> , 2022, 4, 100270.	0.9	7

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145	Combined Inflammation and Metabolism Biomarker Indices of Robust and Impaired Physical Function in Older Adults. <i>Journal of the American Geriatrics Society</i> , 2018, 66, 1353-1359.	1.3	6
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148	Clinical monitoring in osteoarthritis: Biomarkers. <i>Osteoarthritis and Cartilage</i> , 2022, 30, 1159-1173.	0.6	5
149	Increase in Free and Total Plasma TGF- β 1 Following Physical Activity. <i>Cartilage</i> , 2021, 13, 1741S-1748S.	1.4	4
150	Longitudinal association of infrapatellar fat pad signal intensity alteration with biochemical biomarkers in knee osteoarthritis. <i>Rheumatology</i> , 2022, 62, 439-449.	0.9	4
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163	Tibiofemoral knee osteoarthritis progresses symmetrically by knee compartment in the GOGO cohort. <i>Osteoarthritis and Cartilage Open</i> , 2022, 4, 100288.	0.9	1
164	Impact of glomerular filtration rate in colchicine toxicity. <i>Seminars in Arthritis and Rheumatism</i> , 2016, 45, e25.	1.6	0
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