

Deepak Kumar

List of Publications by Year in descending order

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44
papers

1,517
citations

304368

22
h-index

315357

38
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47
all docs

47
docs citations

47
times ranked

2019
citing authors

#	ARTICLE	IF	CITATIONS
1	Inertial Measurement Units and Application for Remote Health Care in Hip and Knee Osteoarthritis: Narrative Review. JMIR Rehabilitation and Assistive Technologies, 2022, 9, e33521.	1.1	9
2	Applications of Digital Health Technologies in Knee Osteoarthritis: Narrative Review. JMIR Rehabilitation and Assistive Technologies, 2022, 9, e33489.	1.1	16
3	Association of Quadriceps Adiposity With an Increase in Knee Cartilage, Meniscus, or Bone Marrow Lesions Over Three Years. Arthritis Care and Research, 2021, 73, 1134-1139.	1.5	11
4	CR1g+ Macrophages Prevent Gut Microbial DNA-Containing Extracellular Vesicle-Induced Tissue Inflammation and Insulin Resistance. Gastroenterology, 2021, 160, 863-874.	0.6	47
5	Interrelations between factors related to physical activity in inactive adults with knee pain. Disability and Rehabilitation, 2021, , 1-7.	0.9	1
6	Quadriceps Strength After Anterior Cruciate Ligament Reconstruction Compared With Uninjured Matched Controls: A Systematic Review and Meta-analysis. Orthopaedic Journal of Sports Medicine, 2021, 9, 232596712199153.	0.8	16
7	Associations Between Smoking Status and Physical and Mental Health-Related Quality of Life Among Individuals With Mobility Impairments. Annals of Behavioral Medicine, 2021, , .	1.7	0
8	Association of Physical Therapy Interventions With Long-term Opioid Use After Total Knee Replacement. JAMA Network Open, 2021, 4, e2131271.	2.8	7
9	Does weight-bearing versus non-weight-bearing pain reflect different pain mechanisms in knee osteoarthritis?: the Multicenter Osteoarthritis Study (MOST). Osteoarthritis and Cartilage, 2021, , .	0.6	4
10	Quantifying varus thrust in knee osteoarthritis using wearable inertial sensors: A proof of concept. Clinical Biomechanics, 2020, 80, 105232.	0.5	12
11	Lower knee extensor and flexor strength is associated with varus thrust in people with knee osteoarthritis. Journal of Biomechanics, 2020, 107, 109865.	0.9	9
12	Sagittal plane walking patterns are related to MRI changes over 18-months in people with and without mild-moderate hip osteoarthritis. Journal of Orthopaedic Research, 2018, 36, 1472-1477.	1.2	19
13	Frontal Plane Knee Mechanics and Early Cartilage Degeneration in People With Anterior Cruciate Ligament Reconstruction: A Longitudinal Study. American Journal of Sports Medicine, 2018, 46, 378-387.	1.9	47
14	Wearable Movement Sensors for Rehabilitation: A Focused Review of Technological and Clinical Advances. PM and R, 2018, 10, S220-S232.	0.9	129
15	Selective Neddylation facilitates proteasome-mediated degradation of Serine Rich Splicing Factor 3 (SRSF3) in non-alcoholic fatty liver disease. FASEB Journal, 2018, 32, 811.20.	0.2	0
16	Time-Restricted Feeding Attenuates Breast Cancer Growth in a Mouse Model of Postmenopausal Obesity. FASEB Journal, 2018, 32, 811.19.	0.2	0
17	Astrocyte-Specific Deletion of Peroxisome-Proliferator Activated Receptor- β Impairs Glucose Metabolism and Estrous Cycling in Female Mice. Journal of the Endocrine Society, 2017, 1, 1332-1350.	0.1	15
18	Zonal differences in meniscus MR relaxation times in response to in vivo static loading in knee osteoarthritis. Journal of Orthopaedic Research, 2016, 34, 249-261.	1.2	19

#	ARTICLE	IF	CITATIONS
19	Training in ChiRunning to reduce blood pressure: a randomized controlled pilot study. BMC Complementary and Alternative Medicine, 2015, 15, 368.	3.7	5
20	Scoring hip osteoarthritis with MRI (SHOMRI): A whole joint osteoarthritis evaluation system. Journal of Magnetic Resonance Imaging, 2015, 41, 1549-1557.	1.9	98
21	Acetabular cartilage defects cause altered hip and knee joint coordination variability during gait. Clinical Biomechanics, 2015, 30, 1202-1209.	0.5	18
22	Magnetic resonance analysis of loaded meniscus deformation: a novel technique comparing participants with and without radiographic knee osteoarthritis. Skeletal Radiology, 2015, 44, 125-135.	1.2	6
23	Effects of Formâ€œFocused Training on Running Biomechanics: A Pilot Randomized Trial in Untrained Individuals. PM and R, 2015, 7, 814-822.	0.9	6
24	Cartilage T1 and T2 Relaxation Times in Patients With Mildâ€œtoâ€œModerate Radiographic Hip Osteoarthritis. Arthritis and Rheumatology, 2015, 67, 1548-1556.	2.9	34
25	Anatomic correlates of reduced hip extension during walking in individuals with mildâ€œmoderate radiographic hip osteoarthritis. Journal of Orthopaedic Research, 2015, 33, 527-534.	1.2	39
26	Individuals with isolated patellofemoral joint osteoarthritis exhibit higher mechanical loading at the knee during the second half of the stance phase. Clinical Biomechanics, 2015, 30, 383-390.	0.5	30
27	Are There Sex Differences in Knee Cartilage Composition and Walking Mechanics in Healthy and Osteoarthritis Populations?. Clinical Orthopaedics and Related Research, 2015, 473, 2548-2558.	0.7	29
28	Review: Femoroacetabular Impingement. Arthritis and Rheumatology, 2015, 67, 17-27.	2.9	69
29	Individuals with medial knee osteoarthritis show neuromuscular adaptation when perturbed during walking despite functional and structural impairments. Journal of Applied Physiology, 2014, 116, 13-23.	1.2	23
30	Physical Activity and Spatial Differences in Medial Knee T1rho and T2 Relaxation Times in Knee Osteoarthritis. Journal of Orthopaedic and Sports Physical Therapy, 2014, 44, 964-972.	1.7	23
31	Frontal plane knee mechanics and medial cartilage MR relaxation times in individuals with ACL reconstruction: A pilot study. Knee, 2014, 21, 881-885.	0.8	37
32	Differences in the Association of Hip Cartilage Lesions and Camâ€œType Femoroacetabular Impingement With Movement Patterns: A Preliminary Study. PM and R, 2014, 6, 681-689.	0.9	56
33	Longitudinal evaluation of T1 and T2 spatial distribution in osteoarthritic and healthy medial knee cartilage. Osteoarthritis and Cartilage, 2014, 22, 51-62.	0.6	45
34	Quadriceps intramuscular fat fraction rather than muscle size is associated with knee osteoarthritis. Osteoarthritis and Cartilage, 2014, 22, 226-234.	0.6	108
35	Association of cartilage defects, and other MRI findings with pain and function in individuals with mildâ€œmoderate radiographic hip osteoarthritis and controls. Osteoarthritis and Cartilage, 2013, 21, 1685-1692.	0.6	64
36	Trabecular bone structure and spatial differences in articular cartilage MR relaxation times in individuals with posterior horn medial meniscal tears. Osteoarthritis and Cartilage, 2013, 21, 86-93.	0.6	24

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37	Knee joint loading during gait in healthy controls and individuals with knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2013, 21, 298-305.	0.6	172
38	Quadriceps and Hamstrings Morphology Is Related to Walking Mechanics and Knee Cartilage MRI Relaxation Times in Young Adults. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2013, 43, 881-890.	1.7	9
39	Automated unsupervised multi-parametric classification of adipose tissue depots in skeletal muscle. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 917-927.	1.9	39
40	The Acute Effect of Running on Knee Articular Cartilage and Meniscus Magnetic Resonance Relaxation Times in Young Healthy Adults. <i>American Journal of Sports Medicine</i> , 2012, 40, 2134-2141.	1.9	94
41	EMG-driven modeling approach to muscle force and joint load estimations: Case study in knee osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2012, 30, 377-383.	1.2	45
42	In vivo tibiofemoral cartilage cartilage contact area of females with medial osteoarthritis under acute loading using MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1405-1413.	1.9	26
43	Use of Rituximab in the Antiphospholipid Syndrome. <i>Current Rheumatology Reports</i> , 2010, 12, 40-44.	2.1	52
44	Rupture of the ilio-psoas tendon after a total hip arthroplasty: an unusual cause of radio-lucency of the lesser trochanter simulating a malignancy. <i>Journal of Orthopaedic Surgery and Research</i> , 2010, 5, 6.	0.9	5