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List of Publications by Year
in descending order

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36 papers	571 citations	687363 13 h-index	642732 23 g-index
36 all docs	36 docs citations	36 times ranked	444 citing authors

#	Article	IF	Citations
1	Quantitative and temporal differential recovery of articular and muscular limitations of knee joint contractures; results in a rat model. Journal of Applied Physiology, 2014, 117, 730-737.	2.5	63
2	Noninflammatory Joint Contractures Arising from Immobility: Animal Models to Future Treatments. BioMed Research International, 2015, 2015, 1-6.	1.9	49
3	Hemolysis contributes to anemia during long-duration space flight. Nature Medicine, 2022, 28, 59-62.	30.7	46
4	Knee Flexion Contractures in Patients with Osteoarthritis: Clinical Features and Histologic Characterization of the Posterior Capsule. PM and R, 2015, 7, 466-473.	1.6	41
5	Four Weeks of Mobility After 8 Weeks of Immobility Fails to Restore Normal Motion. Clinical Orthopaedics and Related Research, 2008, 466, 1239-1244.	1.5	39
6	Genome wide Gene Expression Analysis of the Posterior Capsule in Patients with Osteoarthritis and Knee Flexion Contracture. Journal of Rheumatology, 2014, 41, 2232-2239.	2.0	35
7	Quantitative analysis of the reversibility of knee flexion contractures with time: an experimental study using the rat model. BMC Musculoskeletal Disorders, 2014, 15, 338.	1.9	33
8	Effect of COX-2 inhibitor NS-398 on expression of PGE₂receptor subtypes in M-1 mouse CCD cells. American Journal of Physiology - Renal Physiology, 2001, 281, F123-F132.	2.7	32
9	Characterizing the effect of exposure to microgravity on anemia: more space is worse. American Journal of Hematology, 2020, 95, 267-273.	4.1	28
10	Neurokinin Aâ€induced contraction of guineaâ€pig isolated trachea: potentiation by hepoxilins. British Journal of Pharmacology, 1992, 107, 808-812.	5.4	20
11	Temporal gene expression profiling of the rat knee joint capsule during immobilization-induced joint contractures. BMC Musculoskeletal Disorders, 2015, 16, 125.	1.9	20
12	Hemolysis during and after 21Âdays of head-down-tilt bed rest. Physiological Reports, 2017, 5, e13469.	1.7	16
13	Genetic Influences on Joint Contractures Secondary to Immobilization. Clinical Orthopaedics and Related Research, 2007, 456, 36-41.	1.5	15
14	Intra-articular collagenase injection increases range of motion in a rat knee flexion contracture model. Drug Design, Development and Therapy, 2017, Volume 12, 15-24.	4.3	14
15	Characterization of a partial prostaglandin endoperoxide H synthase-1 deficiency in a patient with a bleeding disorder. British Journal of Haematology, 2001, 113, 878-885.	2.5	11
16	Range of Extension Correlates with Posterior Capsule Length after Knee Remobilization. Medicine and Science in Sports and Exercise, 2018, 50, 2401-2408.	0.4	10
17	Six degrees head-down tilt bed rest caused low-grade hemolysis: a prospective randomized clinical trial. Npj Microgravity, 2021, 7, 4.	3.7	10
18	Bone Marrow Reconversion With Reambulation. Investigative Radiology, 2021, 56, 215-223.	6.2	10

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19	Supraspinatus tendon repair using anchors: a biomechanical evaluation in the rabbit. Journal of Orthopaedic Surgery and Research, 2018, 13, 64.	2.3	9
20	Joint Contractures. Clinical Orthopaedics and Related Research, 2007, 456, 2.	1.5	9
21	Tendon contains more stem cells than bone at the rotator cuff repair site. Journal of Shoulder and Elbow Surgery, 2019, 28, 1779-1787.	2.6	8
22	Preoperative bone marrow stimulation does not improve functional outcomes in arthroscopic cuff repair: a prospective randomized controlled trial. Bone and Joint Journal, 2021, 103-B, 123-130.	4.4	8
23	Knee joint stiffness following immobilization and remobilization: A study in the rat model. Journal of Biomechanics, 2020, 99, 109471.	2.1	6
24	Bone replaces unloaded articular cartilage during knee immobilization. A longitudinal study in the rat. Bone, 2021, 142, 115694.	2.9	6
25	Imaging of the rabbit supraspinatus enthesis at 7 Tesla: a 4â€week time course after repair surgery and effect of channeling. Journal of Magnetic Resonance Imaging, 2017, 46, 461-467.	3.4	5
26	The effects of knee immobilization on marrow adipocyte hyperplasia and hypertrophy at the proximal rat tibia epiphysis. Acta Histochemica, 2017, 119, 759-765.	1.8	5
27	Hyperplasia and accelerated hypertrophy of marrow adipocytes with knee immobilization were sustained despite remobilization. Journal of Applied Physiology, 2020, 129, 701-708.	2.5	5
28	Quantitative Analysis of the Usage of a Pedagogical Tool Combining Questions Listed as Learning Objectives and Answers Provided as Online Videos. Future Internet, 2015, 7, 140-151.	3.8	3
29	Adipocyte hyperplasia: the primary mechanism of supraspinatus intramuscular fat accumulation after a complete rotator cuff tendon tear: a study in the rabbit. Adipocyte, 2019, 8, 144-153.	2.8	3
30	Marrow adipose tissue gradient is preserved through high protein diet and bed rest. A randomized crossover study. Bone Reports, 2019, 11, 100229.	0.4	3
31	Reversibility of marrow adipose accumulation and reduction of trabecular bone in the epiphysis of the proximal tibia. Acta Histochemica, 2020, 122, 151604.	1.8	3
32	Rotator cuff anchor repair: Histological changes associated with the recovering mechanical properties in a rabbit model. Journal of Tissue Engineering and Regenerative Medicine, 2021, 15, 567-576.	2.7	3
33	Using a Knee Arthrometer to Evaluate Tissue-specific Contributions to Knee Flexion Contracture in the Rat. Journal of Visualized Experiments, 2018, , .	0.3	2
34	CORR InsightsÂ®: Stretching After Heat But Not After Cold Decreases Contractures After Spinal Cord Injury in Rats. Clinical Orthopaedics and Related Research, 2016, 474, 2702-2704.	1.5	1
35	Mechanical adaptation of synoviocytes A and B to immobilization and remobilization: a study in the rat knee flexion model. Journal of Molecular Histology, 2020, 51, 605-611.	2.2	0
36	Antiplatelet Therapies: Aspirin at the Heart of New Directions. Cardiovascular & Hematological Disorders Drug Targets, 2014, 13, 173-184.	0.7	0