

# Takanori Kokubun

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

305  
citations

1163117

8  
h-index

996975

15  
g-index

52  
all docs

52  
docs citations

52  
times ranked

285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise enhances cognitive function and neurotrophin expression in the hippocampus accompanied by changes in epigenetic programming in senescence-accelerated mice. <i>Neuroscience Letters</i> , 2018, 665, 67-73.	2.1	40
2	Controlling joint instability delays the degeneration of articular cartilage in a rat model. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 297-308.	1.3	31
3	Muscle synergies underlying sit-to-stand tasks in elderly people and their relationship with kinetic characteristics. <i>Journal of Electromyography and Kinesiology</i> , 2017, 37, 15-20.	1.7	26
4	Effect of Changing the Joint Kinematics of Knees With a Ruptured Anterior Cruciate Ligament on the Molecular Biological Responses and Spontaneous Healing in a Rat Model. <i>American Journal of Sports Medicine</i> , 2016, 44, 2900-2910.	4.2	25
5	Controlling joint instability after anterior cruciate ligament transection inhibits transforming growth factor-beta-mediated osteophyte formation. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 1185-1196.	1.3	22
6	Effects of Controlling Abnormal Joint Movement on Expression of MMP13 and TIMP-1 in Osteoarthritis. <i>Cartilage</i> , 2020, 11, 98-107.	2.7	17
7	Basic locomotor muscle synergies used in land walking are finely tuned during underwater walking. <i>Scientific Reports</i> , 2021, 11, 18480.	3.3	17
8	Controlling Abnormal Joint Movement Inhibits Response of Osteophyte Formation. <i>Cartilage</i> , 2018, 9, 391-401.	2.7	16
9	Usefulness of Muscle Synergy Analysis in Individuals With Knee Osteoarthritis During Gait. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 239-248.	4.9	15
10	Impact of Controlling Abnormal Joint Movement on the Effectiveness of Subsequent Exercise Intervention in Mouse Models of Early Knee Osteoarthritis. <i>Cartilage</i> , 2019, , 194760351988500.	2.7	12
11	The difference in joint instability affects the onset of cartilage degeneration or subchondral bone changes. <i>Osteoarthritis and Cartilage</i> , 2022, 30, 451-460.	1.3	9
12	Effects of controlled abnormal joint movement on the molecular biological response in intra-articular tissues during the acute phase of anterior cruciate ligament injury in a rat model. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 175.	1.9	8
13	Contribution of Lower Limb Joint Movement in Adapting to Re-establish Step Length Symmetry During Split-Belt Treadmill Walking. <i>Journal of Medical and Biological Engineering</i> , 2019, 39, 693-701.	1.8	8
14	Effects of exercise therapy on joint instability in patients with osteoarthritis of the knee: A systematic review. <i>Osteoarthritis and Cartilage Open</i> , 2020, 2, 100114.	2.0	7
15	Structural and pathological changes in the enthesis are influenced by the muscle contraction type during exercise. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2076-2088.	2.3	7
16	Influence of the site of injury on the spontaneous healing response in a rat model of total rupture of the anterior cruciate ligament. <i>Connective Tissue Research</i> , 2022, 63, 138-150.	2.3	6
17	Foot Kinematics of Impact Absorption and Force Exertion During Depth-Jump Using a Multi-segment Foot Model. <i>Journal of Medical and Biological Engineering</i> , 2020, 40, 757-765.	1.8	5
18	Effect of Suppression of Rotational Joint Instability on Cartilage and Meniscus Degeneration in Mouse Osteoarthritis Model. <i>Cartilage</i> , 2022, 13, 194760352110692.	2.7	5

#	ARTICLE	IF	CITATIONS
19	Adaptive changes in foot placement for split-belt treadmill walking in individuals with stroke. <i>Journal of Electromyography and Kinesiology</i> , 2019, 48, 112-120.	1.7	4
20	Evaluation of the Validity, Reliability, and Kinematic Characteristics of Multi-Segment Foot Models in Motion Capture. <i>Sensors</i> , 2020, 20, 4415.	3.8	4
21	Acute chondrocyte response to controlling joint instability in an osteoarthritis rat model. <i>Sport Sciences for Health</i> , 2017, 13, 113-119.	1.3	3
22	Acute molecular biological responses during spontaneous anterior cruciate ligament healing in a rat model. <i>Sport Sciences for Health</i> , 2019, 15, 659-666.	1.3	3
23	Validity of inertial measurement units in assessing segment angles and mechanical energies of elderly persons during sit-to-stand motion. , 2019, , .		3
24	Treadmill Exercise after Controlled Abnormal Joint Movement Inhibits Cartilage Degeneration and Synovitis. <i>Life</i> , 2021, 11, 303.	2.4	3
25	Restoring knee joint kinematics after anterior cruciate ligament injury might inhibit synovial membrane inflammation. <i>Sport Sciences for Health</i> , 2019, 15, 249-253.	1.3	2
26	Determination of relationship between foot arch, hindfoot, and hallux motion using Oxford foot model: Comparison between walking and running. <i>Gait and Posture</i> , 2022, 92, 96-102.	1.4	2
27	Influence of Arm Joint Limitation on Interlimb Coordination during Split-belt Treadmill Walking. <i>Advanced Biomedical Engineering</i> , 2019, 8, 130-136.	0.6	1
28	Relationship Between the Walking Velocity Relative to the Slip Velocity and the Corrective Response. <i>Journal of Medical and Biological Engineering</i> , 2021, 41, 25-33.	1.8	1
29	Effect of Various Types of Muscle Contraction with Different Running Conditions on Mouse Humerus Morphology. <i>Life</i> , 2021, 11, 284.	2.4	1
30	Novel Multi-Segment Foot Model Incorporating Plantar Aponeurosis for Detailed Kinematic and Kinetic Analyses of the Foot With Application to Gait Studies. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	4.1	1
31	Controlling the abnormal movement prevent the progression of knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A315.	1.3	0
32	Improvement in joint instability reduces inflammatory pain of early knee osteoarthritis. <i>Annals of Physical and Rehabilitation Medicine</i> , 2018, 61, e135.	2.3	0
33	Integrin and fibronectin guide bridging movement of remnants during anterior cruciate ligament spontaneous healing in rat model. <i>Annals of Physical and Rehabilitation Medicine</i> , 2018, 61, e413-e414.	2.3	0
34	Microscopic observation of a rat spontaneous anterior cruciate ligament healing. <i>Annals of Physical and Rehabilitation Medicine</i> , 2018, 61, e417.	2.3	0
35	Loss of Mechanical Energy Efficiency in the Sit-to-stand Motion of Acute Stroke Patients. <i>Advanced Biomedical Engineering</i> , 2019, 8, 92-98.	0.6	0
36	Verification of the adaptive parameters of the relative positions of the leading leg and the whole body at foot contact during split-belt treadmill walking. , 2019, , .		0

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37	Controlling joint instability after anterior cruciate ligament transection inhibits the transforming growth factor-beta-mediated osteophyte formation. <i>Osteoarthritis and Cartilage</i> , 2020, 28, S204.	1.3	0
38	Effect of joint instability on bone-cartilage degeneration in destabilization of the medial meniscus model. <i>Osteoarthritis and Cartilage</i> , 2020, 28, S214-S215.	1.3	0
39	Impact of controlling abnormal joint movement on the effectiveness of subsequent exercise intervention in mouse model of early knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2020, 28, S471-S472.	1.3	0
40	A quantitative study to examine the effect of controlling abnormal joint instability in a mouse model of anterior cruciate ligament tibial displacement and cartilage degeneration. <i>Osteoarthritis and Cartilage</i> , 2020, 28, S212-S213.	1.3	0
41	Development of a new method for analysis of the mRNA content of knee synovial fluid. <i>Osteoarthritis and Cartilage</i> , 2021, 29, S109-S110.	1.3	0
42	Differences in the progression of articular cartilage and subchondral bone degeneration between two mouse models. <i>Osteoarthritis and Cartilage</i> , 2021, 29, S195-S196.	1.3	0
43	THE ABNORMAL PATELLA DOWNWARD CONDYLE BY POSTERIOR CRUCIATE LIGAMENT DYSFUNCTION LEADS TO PATELLOFEMORAL OSTEOARTHRITIS IN THE MICE MODEL. <i>Osteoarthritis and Cartilage</i> , 2022, 30, S187.	1.3	0
44	EFFECT OF SUPPRESSION JOINT INSTABILITY ON SUBCHONDRAL BONE REMODELING. <i>Osteoarthritis and Cartilage</i> , 2022, 30, S320-S321.	1.3	0
45	SUGGESTION OF NEW PTOA MICE MODEL INDUCED BY MECHANICAL STRESS WITHOUT SURGERY. <i>Osteoarthritis and Cartilage</i> , 2022, 30, S154-S155.	1.3	0