

# Kenichiro Kakutani

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

956  
citations

516561

16  
h-index

454834

30  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rat tail static compression model mimics extracellular matrix metabolic imbalances of matrix metalloproteinases, aggrecanases, and tissue inhibitors of metalloproteinases in intervertebral disc degeneration. <i>Arthritis Research and Therapy</i> , 2012, 14, R51.	1.6	101
2	Recombinant human SIRT1 protects against nutrient deprivation-induced mitochondrial apoptosis through autophagy induction in human intervertebral disc nucleus pulposus cells. <i>Arthritis Research and Therapy</i> , 2015, 17, 253.	1.6	69
3	Notochordal cell disappearance and modes of apoptotic cell death in a rat tail static compression-induced disc degeneration model. <i>Arthritis Research and Therapy</i> , 2014, 16, R31.	1.6	66
4	C1 laminectomy for retro-odontoid pseudotumor without atlantoaxial subluxation: review of seven consecutive cases. <i>European Spine Journal</i> , 2013, 22, 1119-1126.	1.0	62
5	A rat tail temporary static compression model reproduces different stages of intervertebral disc degeneration with decreased notochordal cell phenotype. <i>Journal of Orthopaedic Research</i> , 2014, 32, 455-463.	1.2	62
6	Intervertebral disc and macrophage interaction induces mechanical hyperalgesia and cytokine production in a herniated disc model in rats. <i>Arthritis and Rheumatism</i> , 2012, 64, 2601-2610.	6.7	54
7	Autophagy and mTOR signaling during intervertebral disc aging and degeneration. <i>JOR Spine</i> , 2020, 3, e1082.	1.5	51
8	The concomitant lateral meniscus injury increased the pivot shift in the anterior cruciate ligament-injured knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 646-651.	2.3	45
9	Matrix metalloproteinase (MMP)-3 gene up-regulation in a rat tail compression loading-induced disc degeneration model. <i>Journal of Orthopaedic Research</i> , 2010, 28, 1026-1032.	1.2	44
10	Functional impact of integrin $\alpha 5 \beta 1$ on the homeostasis of intervertebral discs: a study of mechanotransduction pathways using a novel dynamic loading organ culture system. <i>Spine Journal</i> , 2015, 15, 417-426.	0.6	37
11	Modified housekeeping gene expression in a rat tail compression loading-induced disc degeneration model. <i>Journal of Orthopaedic Research</i> , 2011, 29, 1284-1290.	1.2	34
12	Unrepaired lateral meniscus tears lead to remaining pivot-shift in ACL-reconstructed knees. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 3504-3510.	2.3	27
13	Prolonged down regulation of specific gene expression in nucleus pulposus cell mediated by RNA interference in vitro. <i>Journal of Orthopaedic Research</i> , 2006, 24, 1271-1278.	1.2	24
14	Quality of life and cost-utility of surgical treatment for patients with spinal metastases: prospective cohort study. <i>International Orthopaedics</i> , 2017, 41, 1265-1271.	0.9	24
15	Prospective Cohort Study of Performance Status and Activities of Daily Living After Surgery for Spinal Metastasis. <i>Clinical Spine Surgery</i> , 2017, 30, E1026-E1032.	0.7	20
16	Expression of adiponectin receptors in human and rat intervertebral disc cells and changes in receptor expression during disc degeneration using a rat tail temporary static compression model. <i>Journal of Orthopaedic Surgery and Research</i> , 2016, 11, 147.	0.9	19
17	Surgical outcomes of spinal fusion for osteoporotic vertebral fracture in the thoracolumbar spine: Comprehensive evaluations of 5 typical surgical fusion techniques. <i>Journal of Orthopaedic Science</i> , 2019, 24, 1020-1026.	0.5	18
18	Inhibition of Autophagy at Different Stages by ATG5 Knockdown and Chloroquine Supplementation Enhances Consistent Human Disc Cellular Apoptosis and Senescence Induction rather than Extracellular Matrix Catabolism. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3965.	1.8	18

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19	Possible Improvement of the Sagittal Spinopelvic Alignment and Balance through "Locomotion Training" Exercises in Patients with "Locomotive Syndrome": A Literature Review. <i>Advances in Orthopedics</i> , 2019, 2019, 1-7.	0.4	16
20	Surgical outcomes of spinal fusion for osteoporotic thoracolumbar vertebral fractures in patients with Parkinson's disease: what is the impact of Parkinson's disease on surgical outcome?. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 103.	0.8	16
21	Risk Factors for Proximal Junctional Fracture Following Fusion Surgery for Osteoporotic Vertebral Collapse with Delayed Neurological Deficits: A Retrospective Cohort Study of 403 Patients. <i>Spine Surgery and Related Research</i> , 2019, 3, 171-177.	0.4	15
22	Effect of bisphosphonates or teriparatide on mechanical complications after posterior instrumented fusion for osteoporotic vertebral fracture: a multi-center retrospective study. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 420.	0.8	15
23	Involvement of Autophagy in Rat Tail Static Compression-Induced Intervertebral Disc Degeneration and Notochordal Cell Disappearance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5648.	1.8	15
24	Expression of silent mating type information regulator 2 homolog 1 and its role in human intervertebral disc cell homeostasis. <i>Arthritis Research and Therapy</i> , 2011, 13, R200.	1.6	14
25	Delayed notochordal cell disappearance through integrin $\alpha 5 \beta 1$ mechanotransduction during <i>ex vivo</i> dynamic loading-induced intervertebral disc degeneration. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1933-1944.	1.2	14
26	Prospective cohort study of surgical outcome for spinal metastases in patients aged 70 years or older. <i>Bone and Joint Journal</i> , 2020, 102-B, 1709-1716.	1.9	14
27	Symptomatic perineural cyst: report of two cases treated with cyst "subarachnoid shunts. <i>European Spine Journal</i> , 2014, 23, 267-270.	1.0	13
28	Involvement of autophagy in the maintenance of rat intervertebral disc homeostasis: an in-vitro and in-vivo RNA interference study of Atg5. <i>Osteoarthritis and Cartilage</i> , 2022, 30, 481-493.	0.6	11
29	Short- versus long-segment posterior spinal fusion with vertebroplasty for osteoporotic vertebral collapse with neurological impairment in thoracolumbar spine: a multicenter study. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 513.	0.8	7
30	Risk Factor for Poor Patient Satisfaction After Lumbar Spine Surgery in Elderly Patients Aged Over 80 years. <i>Clinical Spine Surgery</i> , 2021, 34, E223-E228.	0.7	6
31	Surgical outcomes and risk factors for poor outcomes in patients with cervical spine metastasis: a prospective study. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 423.	0.9	5
32	Improved Accuracy and Safety of Pedicle Screw Placement by Using a Probe with an Electrical Conductivity-Measuring Device during Severe Syndromic and Neuromuscular Scoliosis Spine Surgery. <i>Journal of Clinical Medicine</i> , 2022, 11, 419.	1.0	5
33	A novel topical treatment for bone metastases using a gelatin hydrogel incorporating cisplatin as a sustained release system. <i>Journal of Orthopaedic Research</i> , 2021, 39, 525-535.	1.2	4
34	Upper Cervical Compression Myelopathy Caused by the Retro-Odontoid Pseudotumor With Degenerative Osteoarthritis and Calcium Pyrophosphate Dihydrate Disease: A Case Report and Literature Review. <i>Neurospine</i> , 2021, 18, 903-913.	1.1	4
35	Risk factors of cervical surgery related complications in patients older than 80 years. <i>Spine Surgery and Related Research</i> , 2017, 1, 179-184.	0.4	3
36	A Study of Bone Thickness Measurement by Using Infrared Sensor for Pedicle Screw Insertion. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
37	Surgical Outcome of Spinal Fusion for Osteogenesis Imperfecta With Scoliosis: Is the Hybrid System With Pedicle Screws Applicable to Weak, Tiny, and Fragile Vertebrae?. Journal of Pediatric Orthopaedics, 2021, 41, 368-373.	0.6	1
38	The quantitative evaluation of anterior drawer test using an electromagnetic measurement system. Sports Biomechanics, 2021, , 1-12.	0.8	1
39	Comparative Study of Circumferential Decompression and Posterior Decompression in Palliative Surgery for Metastatic Thoracic Spinal Tumors. Clinical Spine Surgery, 2022, Publish Ahead of Print, .	0.7	1