

# Akihiro Sudo

## List of Publications by Citations

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**Version:** 2024-04-26

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76  
papers

791  
citations

15  
h-index

25  
g-index

86  
ext. papers

1,051  
ext. citations

4.2  
avg, IF

3.93  
L-index

#	Paper	IF	Citations
76	A Functional SNP in BNC2 Is Associated with Adolescent Idiopathic Scoliosis. <i>American Journal of Human Genetics</i> , <b>2015</b> , 97, 337-42	11	87
75	Effect of autologous platelet-rich plasma-releasate on intervertebral disc degeneration in the rabbit anular puncture model: a preclinical study. <i>Arthritis Research and Therapy</i> , <b>2012</b> , 14, R241	5.7	85
74	Intradiscal Injection of Autologous Platelet-Rich Plasma Releasate to Treat Discogenic Low Back Pain: A Preliminary Clinical Trial. <i>Asian Spine Journal</i> , <b>2017</b> , 11, 380-389	2.8	55
73	Clinical significance of pretreatment serum C-reactive protein level in soft tissue sarcoma. <i>Cancer</i> , <b>2012</b> , 118, 1055-61	6.4	45
72	Treatment of infected hip arthroplasty with antibiotic-impregnated calcium hydroxyapatite. <i>Journal of Arthroplasty</i> , <b>2008</b> , 23, 145-50	4.4	37
71	Risk factors for lumbar intervertebral disc height narrowing: a population-based longitudinal study in the elderly. <i>BMC Musculoskeletal Disorders</i> , <b>2015</b> , 16, 344	2.8	34
70	Platelet-rich plasma in the management of chronic low back pain: a critical review. <i>Journal of Pain Research</i> , <b>2019</b> , 12, 753-767	2.9	29
69	In vitro and in silico analysis of an inhibitory mechanism of osteoclastogenesis by salubrinal and guanabenz. <i>Cellular Signalling</i> , <b>2015</b> , 27, 353-62	4.9	19
68	Salubrinal acts as a Dusp2 inhibitor and suppresses inflammation in anti-collagen antibody-induced arthritis. <i>Cellular Signalling</i> , <b>2015</b> , 27, 828-35	4.9	18
67	Clinical outcomes of Kyocera Modular Limb Salvage system after resection of bone sarcoma of the distal part of the femur: the Japanese Musculoskeletal Oncology Group study. <i>International Orthopaedics</i> , <b>2014</b> , 38, 825-30	3.8	18
66	Determinants associated with bone mineral density increase in response to daily teriparatide treatment in patients with osteoporosis. <i>Bone</i> , <b>2014</b> , 66, 26-30	4.7	17
65	Analysis of the patients with soft tissue sarcoma who received additional excision after unplanned excision: report from the Bone and Soft Tissue Tumor Registry in Japan. <i>Japanese Journal of Clinical Oncology</i> , <b>2017</b> , 47, 1055-1059	2.8	15
64	The diagnostic and prognostic value of interleukin-6 in patients with soft tissue sarcomas. <i>Scientific Reports</i> , <b>2017</b> , 7, 9640	4.9	15
63	Clinical impact of the tumor volume doubling time on sarcoma patients with lung metastases. <i>Clinical and Experimental Metastasis</i> , <b>2011</b> , 28, 819-25	4.7	15
62	The cleavage of N-cadherin is essential for chondrocyte differentiation. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 400, 493-9	3.4	15
61	Genome-wide analysis of DNA methylation profile identifies differentially methylated loci associated with human intervertebral disc degeneration. <i>PLoS ONE</i> , <b>2019</b> , 14, e0222188	3.7	14
60	RANK/RANKL/OPG system in the intervertebral disc. <i>Arthritis Research and Therapy</i> , <b>2017</b> , 19, 121	5.7	14

59	Clinical outcomes of the KYOCERA Physio Hinge Total Knee System Type III after the resection of a bone and soft tissue tumor of the distal part of the femur. <i>Journal of Surgical Oncology</i> , <b>2011</b> , 103, 257-63	2.8	14
58	Predicting and validating the pathway of Wnt3a-driven suppression of osteoclastogenesis. <i>Cellular Signalling</i> , <b>2014</b> , 26, 2358-69	4.9	13
57	Failure analysis of sandwich-type ceramic-on-ceramic hip joints: A spectroscopic investigation into the role of the polyethylene shell component. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2014</b> , 31, 55-67	4.1	13
56	Impact of tumor volume doubling time on post-metastatic survival in bone or soft-tissue sarcoma patients treated with metastasectomy and/or radiofrequency ablation of the lung. <i>OncoTargets and Therapy</i> , <b>2017</b> , 10, 559-564	4.4	12
55	Validation of a protocol based on Raman and infrared spectroscopies to nondestructively estimate the oxidative degradation of UHMWPE used in total joint arthroplasty. <i>Acta Biomaterialia</i> , <b>2016</b> , 38, 168-78	10.8	12
54	Effect of e-beam sterilization on the in vivo performance of conventional UHMWPE tibial plates for total knee arthroplasty. <i>Acta Biomaterialia</i> , <b>2017</b> , 55, 455-465	10.8	11
53	In-vivo degradation of middle-term highly cross-linked and remelted polyethylene cups: Modification induced by creep, wear and oxidation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2015</b> , 51, 13-24	4.1	11
52	Clinical characteristics of patients with large and deep soft tissue sarcomas. <i>Oncology Letters</i> , <b>2015</b> , 10, 841-844	2.6	11
51	Carbonic anhydrase IX enhances tumor cell proliferation and tumor progression in osteosarcoma. <i>OncoTargets and Therapy</i> , <b>2018</b> , 11, 6879-6886	4.4	11
50	Alendronate inhibits hyperalgesia and suppresses neuropeptide markers of pain in a mouse model of osteoporosis. <i>Journal of Orthopaedic Science</i> , <b>2017</b> , 22, 771-777	1.6	10
49	Quality of life of patients with osteonecrosis of the femoral head: a multicentre study. <i>International Orthopaedics</i> , <b>2018</b> , 42, 1517-1525	3.8	10
48	Treatment of bone defect with calcium phosphate cement subsequent to tumor curettage in pediatric patients. <i>Oncology Letters</i> , <b>2016</b> , 11, 247-252	2.6	10
47	Bilateral subchondral insufficiency fracture of the femoral head. <i>Orthopedics</i> , <b>2008</b> , 31, 399	1.5	9
46	Surface modifications and oxidative degradation in MPC-grafted highly cross-linked polyethylene liners retrieved from short-term total hip arthroplasty. <i>Acta Biomaterialia</i> , <b>2018</b> , 66, 157-165	10.8	8
45	Overexpression of Lrp5 enhanced the anti-breast cancer effects of osteocytes in bone. <i>Bone Research</i> , <b>2021</b> , 9, 32	13.3	7
44	Activated protein C suppresses osteoclast differentiation via endothelial protein C receptor, protease-activated receptor-1, sphingosine 1-phosphate receptor, and apolipoprotein E receptor 2. <i>Thrombosis Research</i> , <b>2018</b> , 163, 30-40	8.2	6
43	Adult traumatic atlantoaxial rotatory fixation: a case report. <i>Case Reports in Orthopedics</i> , <b>2014</b> , 2014, 593621	0.4	6
42	Inhibition of the Growth of Breast Cancer-Associated Brain Tumors by the Osteocyte-Derived Conditioned Medium. <i>Cancers</i> , <b>2021</b> , 13,	6.6	6

41	Generation of the tumor-suppressive secretome from tumor cells. <i>Theranostics</i> , <b>2021</b> , 11, 8517-8534	12.1	6
40	The effects of bisphosphonate on pain-related behavior and immunohistochemical analyses in hindlimb-unloaded mice. <i>Journal of Orthopaedic Science</i> , <b>2018</b> , 23, 1063-1069	1.6	6
39	Mechanical stimulations can inhibit local and remote tumor progression by downregulating WISP1. <i>FASEB Journal</i> , <b>2020</b> , 34, 12847-12859	0.9	5
38	Inhibitory effect of edaravone on systemic inflammation and local damage in skeletal muscles following long-term ischemia to murine hind limb. <i>Journal of Orthopaedic Surgery</i> , <b>2019</b> , 27, 2309499019874476	1.4	4
37	Interleukin-6 Inhibitor Suppresses Hyperalgesia Without Improvement in Osteoporosis in a Mouse Pain Model of Osteoporosis. <i>Calcified Tissue International</i> , <b>2019</b> , 104, 658-666	3.9	4
36	Tendoscopic Double-Row Suture Bridge Peroneal Retinaculum Repair for Recurrent Dislocation of Peroneal Tendons in the Ankle. <i>Arthroscopy Techniques</i> , <b>2016</b> , 5, e441-6	1.7	4
35	Bioactive pedicle screws prepared by chemical and heat treatments improved biocompatibility and bone-bonding ability in canine lumbar spines. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196766	3.7	4
34	Raman spectroscopy reveals creep and wear rate of e-beam-sterilized conventional UHMWPE tibial inserts. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 110, 103902	4.1	3
33	Expression of Glial Cell Line-derived Neurotrophic Factor in the Human Intervertebral Disc. <i>Spine</i> , <b>2020</b> , 45, E768-E775	3.3	3
32	Expression of Interleukin-6 and the Interleukin-6 Receptor Predicts the Clinical Outcomes of Patients with Soft Tissue Sarcomas. <i>Cancers</i> , <b>2020</b> , 12,	6.6	3
31	Double-Layered Lateral Meniscus Accompanied by Meniscocapsular Separation. <i>Case Reports in Orthopedics</i> , <b>2015</b> , 2015, 357463	0.4	3
30	One-day antibiotic infusion for the prevention of postoperative infection following arthroplasty: a case control study. <i>ISRN Orthopedics</i> , <b>2011</b> , 2011, 839641		3
29	Teriparatide improves pain-related behavior and prevents bone loss in ovariectomized mice. <i>Journal of Orthopaedic Surgery</i> , <b>2020</b> , 28, 2309499019893194	1.4	3
28	Endoscopic All-inside Repair of the Flexor Hallucis Longus Tendon in Posterior Ankle Impingement Patients. <i>Arthroscopy Techniques</i> , <b>2017</b> , 6, e1829-e1835	1.7	2
27	MPC-grafted highly cross-linked polyethylene liners retrieved from short-term total hip arthroplasty: Further evidences for the unsuitability of the MPC method. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2020</b> , 108, 2857-2867	3.5	2
26	Postoperative Anaemia Is a Risk Factor for Bleeding-Related Event in Thromboprophylaxis Using Fondaparinux Sodium Injection after Total Knee or Hip Arthroplasty. <i>Biological and Pharmaceutical Bulletin</i> , <b>2020</b> , 43, 266-271	2.3	2
25	Protective Effect of Edaravone Against Oxidative Stress in C2C12 Myoblast and Impairment of Skeletal Muscle Regeneration Exposed to Ischemic Injury in Ob/ob Mice. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1596	4.6	2
24	Drug-Releasing Gelatin Coating Reinforced with Calcium Titanate Formed on Ti6Al4V Alloy Designed for Osteoporosis Bone Repair. <i>Coatings</i> , <b>2022</b> , 12, 139	2.9	2

23	Standard Treatment Remains the Recommended Approach for Patients with Bone Sarcoma Who Underwent Unplanned Surgery: Report from the Japanese Musculoskeletal Oncology Group. <i>Cancer Management and Research</i> , <b>2020</b> , 12, 10017-10022	3.6	2
22	Mechanical tibial loading remotely suppresses brain tumors by dopamine-mediated downregulation of CCN4. <i>Bone Research</i> , <b>2021</b> , 9, 26	13.3	2
21	Successful treatment with cryoablation in a patient with bone metastasis in the mid-shaft femur: a case report. <i>OncoTargets and Therapy</i> , <b>2019</b> , 12, 2949-2953	4.4	1
20	Functional Block of Interleukin-6 Reduces a Bone Pain Marker but Not Bone Loss in Hindlimb-Unloaded Mice. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	1
19	Teriparatide Treatment in Nursing Home Residents: A Retrospective Case-Control Study. <i>Journal of the American Geriatrics Society</i> , <b>2016</b> , 64, 911-2	5.6	1
18	Clinical Outcome in Soft Tissue Sarcoma Patients with Lung Metastasis Who Received Metastasectomy and/or Radiofrequency Ablation: Tokai Musculoskeletal Oncology Consortium Study. <i>Cancer Management and Research</i> , <b>2021</b> , 13, 8473-8480	3.6	1
17	Evaluation of Central Sensitization Inventory in Patients Undergoing Elective Spine Surgery in a Multicenter Study. <i>Global Spine Journal</i> , <b>2021</b> , 21925682211047473	2.7	1
16	Arthroscopic ligamentoplasty for osteoarthritis of the thumb carpometacarpal joints: Clinical and radiological outcomes with a minimum 2-year follow-up. <i>Journal of Orthopaedic Science</i> , <b>2020</b> , 25, 241-246	1.6	1
15	Clinical Outcome of Systemic Treatment for Advanced Soft Tissue Sarcoma: Real-Life Perspective in Japan. <i>Drug Design, Development and Therapy</i> , <b>2020</b> , 14, 4215-4220	4.4	1
14	Arthroscopic Internal Brace Augmentation With Arthroscopic Modified Broström Operation for Chronic Ankle Instability. <i>Arthroscopy Techniques</i> , <b>2021</b> , 10, e995-e1000	1.7	1
13	Ultrasound Guidance in Performing a Tendoscopic Surgery to Treat Posterior Tibial Tendinitis: A Useful Tool?. <i>Case Reports in Orthopedics</i> , <b>2016</b> , 2016, 7262413	0.4	1
12	Role of the Prognostic Nutritional Index in Patients With Soft-tissue Sarcoma. <i>In Vivo</i> , <b>2021</b> , 35, 2349-2355	3.5	1
11	Counterintuitive production of tumor-suppressive secretomes from Oct4- and c-Myc-overexpressing tumor cells and MSCs. <i>Theranostics</i> , <b>2022</b> , 12, 3084-3103	12.1	1
10	Spontaneous Osteonecrosis of the Tarsal Navicular: A Report of Two Cases. <i>Case Reports in Orthopedics</i> , <b>2019</b> , 2019, 5952435	0.4	0
9	Febuxostat treatment attenuates oxidative stress and inflammation due to ischemia-reperfusion injury through the necrotic pathway in skin flap of animal model. <i>Free Radical Biology and Medicine</i> , <b>2021</b> , 177, 238-246	7.8	0
8	Surgical Treatment for Delayed Ulnar Carpometacarpal Fracture-Dislocations. <i>Journal of Wrist Surgery</i> , <b>2020</b> , 9, 235-239	1.1	0
7	Cytoskeletal Actin Structure in Osteosarcoma Cells Determines Metastatic Phenotype via Regulating Cell Stiffness, Migration, and Transmigration. <i>Current Issues in Molecular Biology</i> , <b>2021</b> , 43, 1255-1266	2.9	0
6	Accuracy of image-free navigation in intraoperative leg length change from total hip arthroplasty using evaluations from 2D and 3D measurements. <i>BMC Musculoskeletal Disorders</i> , <b>2021</b> , 22, 1021	2.8	0

- 5 Arthroscopic resection of a loose body in the inextensible metacarpophalangeal joint of the middle finger complicated with osteoarthritis: A case report. *SAGE Open Medical Case Reports*, **2020**, 8, 2050313XZ0943773 0.7
- 4 Lateral Access Spine Surgery following Liver Transplantation: A Report of Two Cases. *Case Reports in Orthopedics*, **2021**, 2021, 5581952 0.4
- 3 Pathological features of reinnervated skeletal muscles after crush injury of the sciatic nerve in ob/ob mice. *Muscle and Nerve*, **2021**, 64, 365-373 3.4
- 2 Entrapment of Common Peroneal Nerve by Surgical Suture following Distal Biceps Femoris Tendon Repair. *Case Reports in Orthopedics*, **2016**, 2016, 7909805 0.4
- 1 The Role of Trabectedin in Soft Tissue Sarcoma.. *Frontiers in Pharmacology*, **2022**, 13, 777872 5.6