

Akihiro Sudo

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

1,325
citations

430442

18
h-index

433756

31
g-index

86
all docs

86
docs citations

86
times ranked

1707
citing authors

#	ARTICLE	IF	CITATIONS
1	A Functional SNP in BNC2 Is Associated with Adolescent Idiopathic Scoliosis. <i>American Journal of Human Genetics</i> , 2015, 97, 337-342.	2.6	119
2	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> , 2012, 14, R241.	1.6	100
3	Intradiscal Injection of Autologous Platelet-Rich Plasma Releasate to Treat Discogenic Low Back Pain: A Preliminary Clinical Trial. <i>Asian Spine Journal</i> , 2017, 11, 380-389.	0.8	89
4	Clinical significance of pretreatment serum C-reactive protein level in soft tissue sarcoma. <i>Cancer</i> , 2012, 118, 1055-1061.	2.0	68
5	Risk factors for lumbar intervertebral disc height narrowing: a population-based longitudinal study in the elderly. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 344.	0.8	60
6	<p>Platelet-rich plasma in the management of chronic low back pain: a critical review</p>. <i>Journal of Pain Research</i> , 2019, Volume 12, 753-767.	0.8	49
7	Treatment of Infected Hip Arthroplasty With Antibiotic-Impregnated Calcium Hydroxyapatite. <i>Journal of Arthroplasty</i> , 2008, 23, 145-150.	1.5	43
8	Salubrinal acts as a Dusp2 inhibitor and suppresses inflammation in anti-collagen antibody-induced arthritis. <i>Cellular Signalling</i> , 2015, 27, 828-835.	1.7	38
9	In vitro and in silico analysis of an inhibitory mechanism of osteoclastogenesis by salubrinal and guanabenz. <i>Cellular Signalling</i> , 2015, 27, 353-362.	1.7	29
10	Genome-wide analysis of DNA methylation profile identifies differentially methylated loci associated with human intervertebral disc degeneration. <i>PLoS ONE</i> , 2019, 14, e0222188.	1.1	27
11	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> , 2014, 38, 825-830.	0.9	25
12	Overexpression of Lrp5 enhanced the anti-breast cancer effects of osteocytes in bone. <i>Bone Research</i> , 2021, 9, 32.	5.4	25
13	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> , 2017, 47, 1055-1059.	0.6	24
14	The diagnostic and prognostic value of interleukin-6 in patients with soft tissue sarcomas. <i>Scientific Reports</i> , 2017, 7, 9640.	1.6	23
15	Determinants associated with bone mineral density increase in response to daily teriparatide treatment in patients with osteoporosis. <i>Bone</i> , 2014, 66, 26-30.	1.4	20
16	Generation of the tumor-suppressive secretome from tumor cells. <i>Theranostics</i> , 2021, 11, 8517-8534.	4.6	20
17	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> , 2016, 38, 168-178.	4.1	19
18	RANK/RANKL/OPG system in the intervertebral disc. <i>Arthritis Research and Therapy</i> , 2017, 19, 121.	1.6	19

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19	Inhibition of the Growth of Breast Cancer-Associated Brain Tumors by the Osteocyte-Derived Conditioned Medium. <i>Cancers</i> , 2021, 13, 1061.	1.7	19
20	Clinical impact of the tumor volume doubling time on sarcoma patients with lung metastases. <i>Clinical and Experimental Metastasis</i> , 2011, 28, 819-825.	1.7	18
21	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> , 2015, 51, 13-24.	1.5	18
22	Quality of life of patients with osteonecrosis of the femoral head: a multicentre study. <i>International Orthopaedics</i> , 2018, 42, 1517-1525.	0.9	18
23	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> , 2011, 103, 257-263.	0.8	17
24	The cleavage of N-cadherin is essential for chondrocyte differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2010, 400, 493-499.	1.0	16
25	Alendronate inhibits hyperalgesia and suppresses neuropeptide markers of pain in a mouse model of osteoporosis. <i>Journal of Orthopaedic Science</i> , 2017, 22, 771-777.	0.5	16
26	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> , 2021, 177, 238-246.	1.3	16
27	Platelet-Rich Plasma Releasate versus Corticosteroid for the Treatment of Discogenic Low Back Pain: A Double-Blind Randomized Controlled Trial. <i>Journal of Clinical Medicine</i> , 2022, 11, 304.	1.0	16
28	Predicting and validating the pathway of Wnt3a-driven suppression of osteoclastogenesis. <i>Cellular Signalling</i> , 2014, 26, 2358-2369.	1.7	15
29	Treatment of bone defect with calcium phosphate cement subsequent to tumor curettage in pediatric patients. <i>Oncology Letters</i> , 2016, 11, 247-252.	0.8	15
30	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> , 2017, Volume 10, 559-564.	1.0	15
31	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> , 2014, 31, 55-67.	1.5	14
32	Effect of e-beam sterilization on the in vivo performance of conventional UHMWPE tibial plates for total knee arthroplasty. <i>Acta Biomaterialia</i> , 2017, 55, 455-465.	4.1	14
33	Carbonic anhydrase IX enhances tumor cell proliferation and tumor progression in osteosarcoma. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 6879-6886.	1.0	14
34	Interleukin-6 Inhibitor Suppresses Hyperalgesia Without Improvement in Osteoporosis in a Mouse Pain Model of Osteoporosis. <i>Calcified Tissue International</i> , 2019, 104, 658-666.	1.5	13
35	Counterintuitive production of tumor-suppressive secretomes from Oct4- and c-Myc-overexpressing tumor cells and MSCs. <i>Theranostics</i> , 2022, 12, 3084-3103.	4.6	13
36	Clinical characteristics of patients with large and deep soft tissue sarcomas. <i>Oncology Letters</i> , 2015, 10, 841-844.	0.8	12

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37	Surface modifications and oxidative degradation in MPC-grafted highly cross-linked polyethylene liners retrieved from short-term total hip arthroplasty. <i>Acta Biomaterialia</i> , 2018, 66, 157-165.	4.1	12
38	Expression of Interleukin-6 and the Interleukin-6 Receptor Predicts the Clinical Outcomes of Patients with Soft Tissue Sarcomas. <i>Cancers</i> , 2020, 12, 585.	1.7	11
39	Adult Traumatic Atlantoaxial Rotatory Fixation: A Case Report. <i>Case Reports in Orthopedics</i> , 2014, 2014, 1-4.	0.1	9
40	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> , 2019, 27, 230949901987447.	0.4	9
41	Teriparatide improves pain-related behavior and prevents bone loss in ovariectomized mice. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949901989319.	0.4	9
42	Mechanical stimulations can inhibit local and remote tumor progression by downregulating WISP1. <i>FASEB Journal</i> , 2020, 34, 12847-12859.	0.2	9
43	Arthroscopic Internal Brace Augmentation With Arthroscopic Modified Broström Operation for Chronic Ankle Instability. <i>Arthroscopy Techniques</i> , 2021, 10, e995-e1000.	0.5	9
44	Bilateral Subchondral Insufficiency Fracture of the Femoral Head. <i>Orthopedics</i> , 2008, 31, 399.	0.5	9
45	Evaluation of Central Sensitization Inventory in Patients Undergoing Elective Spine Surgery in a Multicenter Study. <i>Global Spine Journal</i> , 2021, , 219256822110474.	1.2	8
46	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> , 2021, Volume 13, 8473-8480.	0.9	8
47	The Role of Trabectedin in Soft Tissue Sarcoma. <i>Frontiers in Pharmacology</i> , 2022, 13, 777872.	1.6	8
48	Platelet-Rich Plasma-Releasate (PRPr) for the Treatment of Discogenic Low Back Pain Patients: Long-Term Follow-Up Survey. <i>Medicina (Lithuania)</i> , 2022, 58, 428.	0.8	8
49	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> , 2018, 163, 30-40.	0.8	7
50	The effects of bisphosphonate on pain-related behavior and immunohistochemical analyses in hindlimb-unloaded mice. <i>Journal of Orthopaedic Science</i> , 2018, 23, 1063-1069.	0.5	7
51	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> , 2020, 21, 3521.	1.8	7
52	Expression of Glial Cell Line-derived Neurotrophic Factor in the Human Intervertebral Disc. <i>Spine</i> , 2020, 45, E768-E775.	1.0	7
53	Tendoscopic Double-Row Suture Bridge Peroneal Retinaculum Repair for Recurrent Dislocation of Peroneal Tendons in the Ankle. <i>Arthroscopy Techniques</i> , 2016, 5, e441-e446.	0.5	6
54	Bioactive pedicle screws prepared by chemical and heat treatments improved biocompatibility and bone-bonding ability in canine lumbar spines. <i>PLoS ONE</i> , 2018, 13, e0196766.	1.1	6

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55	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> , 2020, 25, 241-246.	0.5	6
56	Cytoskeletal Actin Structure in Osteosarcoma Cells Determines Metastatic Phenotype via Regulating Cell Stiffness, Migration, and Transmigration. <i>Current Issues in Molecular Biology</i> , 2021, 43, 1255-1266.	1.0	6
57	<p>Clinical Outcome of Systemic Treatment for Advanced Soft Tissue Sarcoma: Real-Life Perspective in Japan</p>. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 4215-4220.	2.0	5
58	MPC â€œgrafted highly crossâ€œlinked polyethylene liners retrieved from shortâ€œterm total hip arthroplasty: Further evidences for the unsuitability of the MPC method. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2857-2867.	1.6	5
59	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> , 2019, 10, 1596.	1.3	5
60	Role of the Prognostic Nutritional Index in Patients With Soft-tissue Sarcoma. <i>In Vivo</i> , 2021, 35, 2349-2355.	0.6	5
61	Drug-Releasing Gelatin Coating Reinforced with Calcium Titanate Formed on Tiâ€œ6Alâ€œ4V Alloy Designed for Osteoporosis Bone Repair. <i>Coatings</i> , 2022, 12, 139.	1.2	5
62	GPR64, Screened from Ewing Sarcoma Cells, Is a Potential Target for Antibody-Based Therapy for Various Sarcomas. <i>Cancers</i> , 2022, 14, 814.	1.7	5
63	One-Day Antibiotic Infusion for the Prevention of Postoperative Infection Following Arthroplasty: A Case Control Study. <i>ISRN Orthopedics</i> , 2011, 2011, 1-4.	0.7	4
64	Spontaneous Osteonecrosis of the Tarsal Navicular: A Report of Two Cases. <i>Case Reports in Orthopedics</i> , 2019, 2019, 1-8.	0.1	4
65	Surgical Treatment for Delayed Ulnar Carpometacarpal Fractureâ€œDislocations. <i>Journal of Wrist Surgery</i> , 2020, 09, 235-239.	0.3	4
66	CTLA-4Ig Improves Hyperalgesia in a Mouse Model of Osteoporosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9479.	1.8	4
67	Developmental Evaluation of Infants Who Have Received Tadalafil in Utero for Fetal Growth Restriction. <i>Journal of Clinical Medicine</i> , 2020, 9, 1448.	1.0	4
68	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> , 2020, 110, 103902.	1.5	4
69	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> , 2020, 43, 266-271.	0.6	4
70	Mechanical tibial loading remotely suppresses brain tumors by dopamine-mediated downregulation of CCN4. <i>Bone Research</i> , 2021, 9, 26.	5.4	4
71	Modified Glasgow Prognostic Score is Better for Predicting Oncological Outcome in Patients with Soft Tissue Sarcoma, Compared to High-Sensitivity Modified Glasgow Prognostic Score. <i>Journal of Inflammation Research</i> , 0, Volume 15, 3891-3899.	1.6	4
72	Double-Layered Lateral Meniscus Accompanied by Meniscocapsular Separation. <i>Case Reports in Orthopedics</i> , 2015, 2015, 1-5.	0.1	3

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73	Endoscopic All-inside Repair of the Flexor Hallucis Longus Tendon in Posterior Ankle Impingement Patients. <i>Arthroscopy Techniques</i> , 2017, 6, e1829-e1835.	0.5	3
74	<p>Standard Treatment Remains the Recommended Approach for Patients with Bone Sarcoma Who Underwent Unplanned Surgery: Report from the Japanese Musculoskeletal Oncology Group</p>. <i>Cancer Management and Research</i> , 2020, Volume 12, 10017-10022.	0.9	3
75	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> , 2021, 22, 1021.	0.8	3
76	Teriparatide Treatment in Nursing Home Residents: A Retrospective Caseâ€“Control Study. <i>Journal of the American Geriatrics Society</i> , 2016, 64, 911-912.	1.3	2
77	<p>Successful treatment with cryoablation in a patient with bone metastasis in the mid-shaft femur: a case report</p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 2949-2953.	1.0	2
78	Long-Term Results of Kyocera Modular Limb Salvage System after Resection of Tumors in the Distal Part of the Femur: Report from Japanese Musculoskeletal Oncology Group Study. <i>Cancers</i> , 2022, 14, 870.	1.7	2
79	Ultrasound Guidance in Performing a Tendoscopic Surgery to Treat Posterior Tibial Tendinitis: A Useful Tool?. <i>Case Reports in Orthopedics</i> , 2016, 2016, 1-5.	0.1	1
80	Entrapment of Common Peroneal Nerve by Surgical Suture following Distal Biceps Femoris Tendon Repair. <i>Case Reports in Orthopedics</i> , 2016, 2016, 1-3.	0.1	1
81	Novel elemental grading system for radiographic lumbar spondylosis in a population based-cohort study of a Japanese mountain village. <i>PLoS ONE</i> , 2022, 17, e0270282.	1.1	1
82	Knotless Tendoscopic Peroneal Retinaculum Repair Technique for Recurrent Peroneal Tendon Dislocation. <i>Arthroscopy Techniques</i> , 2022, 11, e1395-e1401.	0.5	1
83	Arthroscopic resection of a loose body in the inextensible metacarpophalangeal joint of the middle finger complicated with osteoarthritis: A case report. <i>SAGE Open Medical Case Reports</i> , 2020, 8, 2050313X2094377.	0.2	0
84	Lateral Access Spine Surgery following Liver Transplantation: A Report of Two Cases. <i>Case Reports in Orthopedics</i> , 2021, 2021, 1-8.	0.1	0
85	Pathological features of reinnervated skeletal muscles after crush injury of the sciatic nerve in ob/ob mice. <i>Muscle and Nerve</i> , 2021, 64, 365-373.	1.0	0