

# Hiroshi Takahashi

## List of Publications by Year in descending order

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Version: 2024-02-01

109  
papers

1,428  
citations

567281

15  
h-index

377865

34  
g-index

118  
all docs

118  
docs citations

118  
times ranked

1343  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unidirectional porous beta-tricalcium phosphate as a potential bone regeneration material for infectious bony cavity without debridement in pyogenic spondylitis. <i>Journal of Artificial Organs</i> , 2023, 26, 89-94.	0.9	1
2	Efficacy and Safety of Condoliase Disc Administration as a New Treatment for Lumbar Disc Herniation. <i>Spine Surgery and Related Research</i> , 2022, 6, 31-37.	0.7	7
3	Characteristic imaging findings predicting the risk of conservative treatment resistance in fresh osteoporotic vertebral fractures with poor prognostic features on magnetic resonance imaging. <i>Journal of Orthopaedic Science</i> , 2022, 27, 330-334.	1.1	4
4	Usefulness of Simultaneous Magnetic Resonance Neurography and Apparent T2 Mapping for the Diagnosis of Cervical Radiculopathy. <i>Asian Spine Journal</i> , 2022, 16, 47-55.	2.0	1
5	Effects of the difference between lumbar lordosis in the supine and standing positions on the clinical outcomes of decompression surgery for lumbar spinal stenosis. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 542-548.	1.7	4
6	Risk factors affecting vertebral collapse and kyphotic progression in postmenopausal osteoporotic vertebral fractures. <i>Journal of Bone and Mineral Metabolism</i> , 2022, 40, 301-307.	2.7	3
7	Bone union-promoting effect of romosozumab in a rat posterolateral lumbar fusion model. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2576-2585.	2.3	7
8	MRI T2-mapping of lumbar facet joints is effective for quantitative evaluation of lumbar instability in patients with degenerative lumbar disorders. <i>European Spine Journal</i> , 2022, 31, 1479-1486.	2.2	2
9	A 2-year longitudinal study of skeletal muscle mass in women over 40 years of age with degenerative lumbar scoliosis. <i>European Spine Journal</i> , 2022, , 1.	2.2	0
10	Early Postoperative Rehabilitation Using the Hybrid Assistive Limb (HAL) Lumbar Type in Patients With Hip Fracture: A Pilot Study. <i>Cureus</i> , 2022, 14, e22484.	0.5	1
11	A Case of Postoperative Recurrent Lumbar Disc Herniation Conservatively Treated with Novel Intradiscal Condoliase Injection. <i>Case Reports in Orthopedics</i> , 2022, 2022, 1-9.	0.3	0
12	Development of a New Ankle Joint Hybrid Assistive Limb. <i>Medicina (Lithuania)</i> , 2022, 58, 395.	2.0	9
13	Immediate effects of hybrid assistive limb gait training on lower limb function in a chronic myelopathy patient with postoperative late neurological deterioration. <i>BMC Research Notes</i> , 2022, 15, 89.	1.4	1
14	Functional magnetic resonance imaging of brain activity during hybrid assistive limb intervention in a chronic spinal cord injury patient with C4 quadriplegia. <i>Journal of Clinical Neuroscience</i> , 2022, 99, 17-21.	1.5	2
15	Lower accuracy of cytological screening for high-grade squamous intraepithelial neoplasia in women over 50 years of age in Japan. <i>International Journal of Clinical Oncology</i> , 2022, 27, 427-433.	2.2	4
16	Development of a quantitative method to evaluate pedicle screw loosening after spinal instrumentation using digital tomosynthesis. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 358.	1.9	2
17	Surgical Apgar Score and Controlling Nutritional Status Score are significant predictors of major complications after cervical spine surgery. <i>Scientific Reports</i> , 2022, 12, 6605.	3.3	4
18	Comparison of pain and discomfort in supine and lateral positions after surgery for lumbar degenerative disease: A prospective randomized controlled study. <i>International Journal of Orthopaedic and Trauma Nursing</i> , 2022, 47, 100959.	0.9	1

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19	Anchor type at upper instrumented vertebra and postoperative shoulder imbalance in patients with Lenke type 1 adolescent idiopathic scoliosis. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2021, 31, 245-251.	1.4	0
20	Severe, rigid cervical kyphotic deformity associated with SAPHO syndrome successfully treated with three-stage correction surgery combined with C7 vertebral column resection: a technical case report. <i>Spine Deformity</i> , 2021, 9, 285-292.	1.5	5
21	Predictors of Spontaneous Restoration of Lumbar Lordosis after Single-Level Transforaminal Lumbar Interbody Fusion for Degenerative Lumbar Diseases. <i>Spine Surgery and Related Research</i> , 2021, 5, 397-404.	0.7	6
22	Accidental anterior longitudinal ligament rupture during lateral lumbar interbody fusion disclosed after posterior corrective fusion surgery resulting in local hyper-lordosis. <i>Journal of Rural Medicine: JRM</i> , 2021, 16, 111-114.	0.5	3
23	Pulmonary Function Improves in Patients with Adolescent Idiopathic Scoliosis who Undergo Posterior Spinal Fusion Regardless of Thoracoplasty: A Mid-Term Follow-Up. <i>Spine Surgery and Related Research</i> , 2021, 5, 22-27.	0.7	3
24	Technical and Conceptual Review on the L5-S1 Oblique Lateral Interbody Fusion Surgery (OLIF51). <i>Spine Surgery and Related Research</i> , 2021, 5, 1-9.	0.7	11
25	Influence of Spondylolysis on Clinical Presentations in Patients With Lumbar Degenerative Disease. <i>Cureus</i> , 2021, 13, e12570.	0.5	0
26	Time-Course Changes in Bone Metabolism Markers and Density in Patients with Osteoporosis Treated with Romosozumab: A Multicenter Retrospective Study. <i>Yonsei Medical Journal</i> , 2021, 62, 829.	2.2	3
27	A Case of Cardiac Arrest during C1 Laminectomy for Irreducible Atlantoaxial Subluxation. <i>Case Reports in Orthopedics</i> , 2021, 2021, 1-3.	0.3	0
28	Characteristics of relief and residual low back pain after discectomy in patients with lumbar disc herniation: analysis using a detailed visual analog scale. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 167.	1.9	15
29	Three-year clinical and radiological results of a cruciate-retaining type of the knee prosthesis with anatomical geometry developed in Japan. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 241.	1.9	6
30	Age-Specific Characteristics of Lumbopelvic Alignment in Patients with Spondylolysis: How Bilateral L5 Spondylolysis Influences Lumbopelvic Alignment During the Aging Process. <i>World Neurosurgery</i> , 2021, 147, e524-e532.	1.3	3
31	Sudden, Transient Intraoperative Hypotension During the Use of the Cantilever Technique for Correction of Adult Spine Deformity. <i>Cureus</i> , 2021, 13, e13835.	0.5	0
32	Background factors for chronic low back pain resistant to cognitive behavioral therapy. <i>Scientific Reports</i> , 2021, 11, 8227.	3.3	4
33	Rapidly destructive coxopathy due to dialysis amyloidosis: a case report. <i>Modern Rheumatology Case Reports</i> , 2021, 5, 437-441.	0.7	1
34	Skip decompression surgeries in the treatment of holospinal epidural abscess: a case report. <i>Spinal Cord Series and Cases</i> , 2021, 7, 38.	0.6	3
35	Correlation between osteoarthritis of the atlantoaxial facet joint and a high-riding vertebral artery. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 406.	1.9	3
36	Improvements in Intractable Lumbar and Lower Extremity Symptoms after Systemic Administration of Tocilizumab, an Anti-interleukin-6 Receptor Antibody. <i>Asian Spine Journal</i> , 2021, , .	2.0	1

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37	Adjustment effect during shoulder abduction training with the Hybrid Assistive Limb in a patient with postoperative C5 palsy. <i>Journal of Clinical Neuroscience</i> , 2021, 88, 197-204.	1.5	3
38	Effects of Nintendo Ring Fit Adventure Exergame on Pain and Psychological Factors in Patients with Chronic Low Back Pain. <i>Games for Health Journal</i> , 2021, 10, 158-164.	2.0	24
39	Automated detection of cervical ossification of the posterior longitudinal ligament in plain lateral radiographs of the cervical spine using a convolutional neural network. <i>Scientific Reports</i> , 2021, 11, 12702.	3.3	5
40	Neurological improvement is associated with neck pain attenuation after surgery for cervical ossification of the posterior longitudinal ligament. <i>Scientific Reports</i> , 2021, 11, 11910.	3.3	0
41	Exercise training using hybrid assistive limb (HAL) lumbar type for locomotive syndrome: a pilot study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 533.	1.9	10
42	Relationship between Skeletal Muscle Mass, Bone Mineral Density, and Trabecular Bone Score in Osteoporotic Vertebral Compression Fractures. <i>Asian Spine Journal</i> , 2021, 15, 365-372.	2.0	16
43	Hybrid Assistive Limb Functional Treatment for a Patient with Chronic Incomplete Cervical Spinal Cord Injury. <i>International Medical Case Reports Journal</i> , 2021, Volume 14, 413-420.	0.8	6
44	Computed Tomographic Assessment of Age- and Gender-Specific Sagittal Lumbopelvic Alignment in a Japanese Population. <i>Spine Surgery and Related Research</i> , 2021, 5, 278-283.	0.7	0
45	A Case with Rapid Progression of Anemia Due to an Intravertebral Body Pseudoaneurysm with a 3-Column Osteoporotic Vertebral Fracture from Ankylosing Spinal Disorder. <i>Spine Surgery and Related Research</i> , 2021, 5, 313-316.	0.7	0
46	Occipital Screw Placement Using a Navigation System for a Pathological Odontoid Fracture With a Dural Venous Sinus Variation. <i>Cureus</i> , 2021, 13, e16610.	0.5	0
47	What Trajectory Is Safe for Double Penetrating Endplate Screw Posterior Spinal Fusion Surgery in the Thoracolumbar Region?. <i>World Neurosurgery</i> , 2021, 151, e972-e978.	1.3	0
48	Comparison between intervertebral oblique lumbar interbody fusion and transforaminal lumbar interbody fusion: a multicenter study. <i>Scientific Reports</i> , 2021, 11, 16673.	3.3	17
49	Exercise Therapy Using the Lumbar-Type Hybrid Assistive Limb Ameliorates Locomotive Function after Lumbar Fusion Surgery in an Elderly Patient. <i>Case Reports in Orthopedics</i> , 2021, 2021, 1-4.	0.3	2
50	Robotic Shoulder Rehabilitation With the Hybrid Assistive Limb in a Patient With Delayed Recovery After Postoperative C5 Palsy: A Case Report. <i>Frontiers in Neurology</i> , 2021, 12, 676352.	2.4	4
51	Imaging-Based Diagnosis of Epiconus Syndrome From the Distance of the Lesion to Where the Spinal Cord Terminates Not From the Disc Level: A Case Series. <i>Cureus</i> , 2021, 13, e17708.	0.5	0
52	The fatty degeneration of the lumbar erector spinae muscles affects dynamic spinal compensation ability during gait in adult spinal deformity. <i>Scientific Reports</i> , 2021, 11, 18088.	3.3	10
53	Continuous local antibiotic perfusion for patients with surgical site infection after instrumented spinal surgery; a novel technique to retain the implants. <i>Journal of Clinical Neuroscience</i> , 2021, 93, 70-74.	1.5	7
54	Influence of Preoperative Difference in Lumbar Lordosis Between the Standing and Supine Positions on Clinical Outcomes After Single-level Transforaminal Lumbar Interbody Fusion. <i>Spine</i> , 2021, 46, 1070-1080.	2.0	5

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55	Factors Significantly Associated with Postoperative Neck Pain Deterioration after Surgery for Cervical Ossification of the Posterior Longitudinal Ligament: Study of a Cohort Using a Prospective Registry. <i>Journal of Clinical Medicine</i> , 2021, 10, 5026.	2.4	3
56	Two Cases of Lateral Lumbar Disc Herniation Successfully Treated with Intradiscal Condoliase Injection. <i>Spine Surgery and Related Research</i> , 2021, 5, 437-441.	0.7	3
57	Postoperative change in lumbopelvic alignment after short-segment transforaminal lumbar interbody fusion is related to preoperative postural difference in lumbar lordosis. <i>Journal of Orthopaedic Science</i> , 2021, , .	1.1	2
58	Simultaneous MR neurography and apparent T2 mapping of cervical nerve roots before microendoscopic surgery to treat patient with radiculopathy due to cervical disc herniation: Preliminary results. <i>Journal of Clinical Neuroscience</i> , 2020, 74, 213-219.	1.5	6
59	Surgical Treatment for Spinal Tuberculosis without Elevation of Inflammatory Biomarkers at the Initial Visit Mimicking Spinal Metastasis. <i>Case Reports in Orthopedics</i> , 2020, 2020, 1-4.	0.3	1
60	Segmental motion at the peak of the ossification foci is independent risk factor except for mal-alignment and thick ossification foci for poor outcome after laminoplasty for cervical ossification of the posterior longitudinal ligament: analyses in patients with positive K-line, lordotic alignment, and lower canal occupying ratio. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 407.	2.3	4
61	Pilot study of oblique lumbar interbody fusion using mobile percutaneous pedicle screw and validation by a three-dimensional finite element assessment. <i>Journal of Clinical Neuroscience</i> , 2020, 76, 74-80.	1.5	5
62	Surgical Treatment for Central Sleep Apnea due to Occipitocervical Compression Myelopathy in a Patient with Klippel-Feil Syndrome. <i>World Neurosurgery</i> , 2020, 141, 232-235.	1.3	2
63	Surgical treatment for atlantoaxial rotatory fixation in an adult with spastic torticollis: A case report. <i>Journal of Clinical Neuroscience</i> , 2020, 75, 225-228.	1.5	1
64	Diagnosis of lumbar radiculopathy using simultaneous MR neurography and apparent T2 mapping. <i>Journal of Clinical Neuroscience</i> , 2020, 78, 339-346.	1.5	8
65	Prevalence of lumbar spondylolysis and spondylolisthesis in patients with degenerative spinal disease. <i>Scientific Reports</i> , 2020, 10, 6739.	3.3	35
66	Frequency of Adverse Drug Reactions and Analgesic Effects of Mirogabalin during Treatment of Peripheral Neuropathic Pain: A Retrospective Clinical Investigation. <i>Spine Surgery and Related Research</i> , 2020, 4, 354-357.	0.7	3
67	Dropped Head Syndrome Treated with Physical Therapy Based on the Concept of Athletic Rehabilitation. <i>Case Reports in Orthopedics</i> , 2020, 2020, 1-8.	0.3	4
68	Time Course of Changes in Serum Oxidative Stress Markers to Predict Outcomes for Surgical Treatment of Lumbar Degenerative Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-8.	4.0	1
69	Sarcopenic Dysphagia After Occipito-Cervical Fusion Surgery in an Elderly Patient With High-Cervical Myelopathy Caused by Retro-Odontoid Pseudotumor: A Case Report. <i>Cureus</i> , 2020, 12, e11881.	0.5	0
70	Delayed surgical site infection after posterior cervical instrumented surgery in a patient with atopic dermatitis: a case report. <i>Journal of Rural Medicine: JRM</i> , 2020, 15, 124-129.	0.5	0
71	Intradural metastasis to the cauda equina found as the initial presentation of breast cancer: a case report. <i>Journal of Medical Case Reports</i> , 2019, 13, 220.	0.8	8
72	Unilateral laminectomy for bilateral decompression improves low back pain while standing equally on both sides in patients with lumbar canal stenosis: analysis using a detailed visual analogue scale. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 100.	1.9	19

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73	Reduced leg muscle mass and lower grip strength in women are associated with osteoporotic vertebral compression fractures. <i>Archives of Osteoporosis</i> , 2019, 14, 112.	2.4	18
74	Serum oxidative stress influences neurological recovery after surgery to treat acutely worsening symptoms of compression myelopathy: a cross-sectional human study. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 589.	1.9	4
75	Sharp systolic blood pressure elevation at extubation is a risk factor for symptomatic epidural hematoma after spine surgery. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901988544.	1.0	9
76	Superior graft maturation after anatomical double-bundle anterior cruciate ligament reconstruction using the transtibial drilling technique compared to the transportal technique. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2468-2477.	4.2	17
77	Axonal damage is remarkable in patients with acutely worsening symptoms of compression myelopathy: biomarkers in cerebrospinal fluid samples. <i>European Spine Journal</i> , 2018, 27, 1824-1830.	2.2	11
78	Surgical treatment for dropped head syndrome with cervical spondylotic amyotrophy: a case report. <i>BMC Research Notes</i> , 2018, 11, 500.	1.4	5
79	Use of intrawound vancomycin powder against postoperative infection after spine surgery. <i>Spine Surgery and Related Research</i> , 2018, 2, 18-22.	0.7	12
80	Comparison of Nutritional Risk Scores for Predicting Mortality in Japanese Chronic Hemodialysis Patients. , 2017, 27, 201-206.		40
81	The association of kyphosis assessed in supine and standing positions with future activities of daily living dependence: the Kurabuchi Study. <i>Archives of Osteoporosis</i> , 2017, 12, 105.	2.4	6
82	Serum level of reactive oxygen metabolites (ROM) at 12 weeks of treatment with biologic agents for rheumatoid arthritis is a novel predictor for 52-week remission. <i>Clinical Rheumatology</i> , 2017, 36, 309-315.	2.2	4
83	Comparison of methods using paraffin-embedded tissues and exfoliated cervical cells to evaluate human papillomavirus genotype attribution. <i>Cancer Science</i> , 2016, 107, 1520-1526.	3.9	5
84	CD4+ T cells in aged or thymectomized recipients of allogeneic stem cell transplantations. <i>Biological Research</i> , 2015, 48, 41.	3.4	5
85	Response to "Increase of nerve growth factor levels in the human herniated intervertebral disc: can annular rupture trigger discogenic back pain?" authors reply. <i>Arthritis Research and Therapy</i> , 2015, 17, 96.	3.5	0
86	Influence of pelvic incidence-lumbar lordosis mismatch on surgical outcomes of short-segment transforaminal lumbar interbody fusion. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 213.	1.9	119
87	Phosphorylated neurofilament subunit NF-H becomes elevated in the cerebrospinal fluid of patients with acutely worsening symptoms of compression myelopathy. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 2175-2178.	1.5	12
88	Increase of nerve growth factor levels in the human herniated intervertebral disc: can annular rupture trigger discogenic back pain?. <i>Arthritis Research and Therapy</i> , 2014, 16, R159.	3.5	33
89	Identification of clinical parameters associated with serum oxidative stress in patients with rheumatoid arthritis. <i>Modern Rheumatology</i> , 2014, 24, 926-930.	1.8	31
90	Evaluation of Nonspecific Low Back Pain Using a New Detailed Visual Analogue Scale for Patients in Motion, Standing, and Sitting: Characterizing Nonspecific Low Back Pain in Elderly Patients. <i>Pain Research and Treatment</i> , 2012, 2012, 1-4.	1.7	24

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91	Anomalous Vertebral Arteries in the Extra- and Intraosseous Regions of the Craniovertebral Junction Visualized by 3-Dimensional Computed Tomographic Angiography. <i>Spine</i> , 2012, 37, E1389-E1397.	2.0	117
92	Neuroprotective therapy using granulocyte colony-stimulating factor for patients with worsening symptoms of compression myelopathy, part 1: a phase I and IIa clinical trial. <i>European Spine Journal</i> , 2012, 21, 482-489.	2.2	24
93	Sectoral thinning of the retina after branch retinal artery occlusion. <i>Japanese Journal of Ophthalmology</i> , 2009, 53, 494-500.	1.9	14
94	5-HT4 receptors in the hippocampus modulate rat locomotor activity. <i>Hippocampus</i> , 2002, 12, 304-310.	1.9	18
95	A Case of Transient Diabetes Insipidus Associated with Poisoning by a Herbicide Containing Glufosinate. <i>Journal of Toxicology: Clinical Toxicology</i> , 2000, 38, 153-156.	1.5	7
96	Epidemiology of Obesity: An Epidemiological Study in Rural Communities of Hokkaido, Japan.. <i>Internal Medicine</i> , 1999, 38, 195-197.	0.7	4
97	Progressive expansion of hypertensive intracerebral hemorrhage by coagulopathy. , 1998, 59, 110-114.		28
98	Oral clonidine premedication decreases energy expenditure in human volunteers. <i>Canadian Journal of Anaesthesia</i> , 1997, 44, 268-272.	1.6	22
99	Inflammatory Cytokines in the Herniated Disc of the Lumbar Spine. <i>Spine</i> , 1996, 21, 218-224.	2.0	444
100	Toe skin temperature as a guide to epidural anaesthesia dosing. <i>Canadian Journal of Anaesthesia</i> , 1994, 41, 232-235.	1.6	3
101	High-dose vecuronium administration for rapid endotracheal intubation.. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 1991, 11, 477-482.	0.0	0
102	Bone blood flow after spinal paralysis in the rat. <i>Journal of Orthopaedic Research</i> , 1990, 8, 393-400.	2.3	12
103	THE PREVALENCE OF METHICILLIN AND CEPHEM-RESISTANT STAPHYLOCOCCUS AUREUS. <i>The Journal of the Japanese Practical Surgeon Society</i> , 1988, 49, 2047-2052.	0.0	0
104	The Difference between Children and Adults in the Onset of Post-Traumatic Epilepsy. <i>Psychiatry and Clinical Neurosciences</i> , 1981, 35, 301-304.	1.8	3
105	Bronchogenic carcinoma producing ectopic steroid hormones.. <i>Tohoku Journal of Experimental Medicine</i> , 1979, 128, 109-116.	1.2	1
106	Statistical Analysis of Chronic Subdural Hematoma in 309 Adult Cases. <i>Neurologia Medico-Chirurgica</i> , 1972, 12, 71-83.	2.2	41
107	EFFECTS OF CASTRATION AND ADRENALECTOMY ON THE ADVANCED MAMMARY CANCER. <i>Endocrinologia Japonica</i> , 1959, 6, 98-106.	0.5	0
108	HISTOCHEMICAL STUDIES ON TUBERCULOUS KIDNEY (ESPECIALLY ON NUCLEIC ACID). <i>Japanese Journal of Urology</i> , 1955, 46, 706-710.	0.1	0

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109	Postoperative loss of correction after combined posterior and anterior spinal fusion surgeries in a lumbar burst fracture patient with Class II obesity. , 0, 13, 210.		1