## Satoshi Kato

## List of Publications by Year in descending order

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304743 345221 1,894 128 22 36 citations h-index g-index papers 128 128 128 1487 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Surgical Site Infection in Spinal Metastasis. Spine, 2009, 34, 635-639.	2.0	84
2	Total en bloc spondylectomy for spinal metastases in thyroid carcinoma. Journal of Neurosurgery: Spine, 2011, 14, 172-176.	1.7	83
3	Effects on Spinal Cord Blood Flow and Neurologic Function Secondary to Interruption of Bilateral Segmental Arteries Which Supply the Artery of Adamkiewicz. Spine, 2008, 33, 1533-1541.	2.0	76
4	More Than 10-Year Follow-Up After Total En Bloc Spondylectomy for Spinal Tumors. Annals of Surgical Oncology, 2014, 21, 1330-1336.	1.5	71
5	Perioperative Complications After Surgery for Thoracic Ossification of Posterior Longitudinal Ligament. Spine, 2018, 43, E1389-E1397.	2.0	64
6	Does Interruption of the Artery of Adamkiewicz During Total En Bloc Spondylectomy Affect Neurologic Function?. Spine, 2010, 35, E1187-E1192.	2.0	60
7	Total en bloc spondylectomy for lung cancer metastasis to the spine. Journal of Neurosurgery: Spine, 2010, 13, 414-417.	1.7	60
8	Surgical management of aggressive vertebral hemangiomas causing spinal cord compression: long-term clinical follow-up of five cases. Journal of Orthopaedic Science, 2010, 15, 350-356.	1.1	58
9	Reciprocal Expressions of α1- and β-Adrenergic Receptors, but Constant Expression of Glucagon Receptor by Rat Hepatocytes during Development and Primary Culture1. Journal of Biochemistry, 1984, 96, 127-136.	1.7	56
10	Preoperative Embolization Significantly Decreases Intraoperative Blood Loss During Palliative Surgery for Spinal Metastasis. Orthopedics, 2012, 35, e1389-95.	1.1	52
11	Perioperative Complications of Total En Bloc Spondylectomy: Adverse Effects of Preoperative Irradiation. PLoS ONE, 2014, 9, e98797.	2.5	49
12	Abdominal trunk muscle weakness and its association with chronic low back pain and risk of falling in older women. BMC Musculoskeletal Disorders, 2019, 20, 273.	1.9	48
13	Prevalence and Risk Factors for Development of Venous Thromboembolism After Degenerative Spinal Surgery. Spine, 2015, 40, E301-E306.	2.0	44
14	Clinical Outcome of Spinal Reconstruction After Total En Bloc Spondylectomy at 3 or More Levels. Spine, 2013, 38, E1511-E1516.	2.0	41
15	Neurological function after total en bloc spondylectomy for thoracic spinal tumors. Journal of Neurosurgery: Spine, 2010, 12, 253-256.	1.7	36
16	The impact of complete surgical resection of spinal metastases on the survival of patients with thyroid cancer. Cancer Medicine, 2016, 5, 2343-2349.	2.8	33
17	Spinal metastasectomy of renal cell carcinoma: A 16â€year single center experience with a minimum 3â€year followâ€up. Journal of Surgical Oncology, 2016, 113, 587-592.	1.7	33
18	Novel surgical technique for ossification of posterior longitudinal ligament in the thoracic spine. Journal of Neurosurgery: Spine, 2012, 17, 525-529.	1.7	28

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19	Total spondylectomy for Enneking stage III giant cell tumor of the mobile spine. European Spine Journal, 2018, 27, 3084-3091.	2.2	27
20	Total en bloc spondylectomy for primary tumors of the lumbar spine. Medicine (United States), 2018, 97, e12366.	1.0	26
21	The effect of kyphotic deformity because of vertebral fracture: aÂfiniteÂelement analysis of a 10° and 20° wedge-shaped vertebral fracture model. Spine Journal, 2015, 15, 713-720.	1.3	25
22	Surgical site infection after total en bloc spondylectomy: risk factors and the preventive new technology. Spine Journal, 2015, 15, 132-137.	1.3	23
23	Giant cell tumor of the thoracic spine completely removed by total spondylectomy after neoadjuvant denosumab therapy. European Spine Journal, 2017, 26, 236-242.	2.2	23
24	Surgical Metastasectomy in the Spine: A Review Article. Oncologist, 2021, 26, e1833-e1843.	3.7	22
25	Risk factors of instrumentation failure after multilevel total en bloc spondylectomy. Spine Surgery and Related Research, 2017, 1, 31-39.	0.7	21
26	Effect of coadministration of rifampicin on the pharmacokinetics of linezolid: clinical and animal studies. Journal of Pharmaceutical Health Care and Sciences, 2018, 4, 27.	1.0	21
27	Outcomes of Surgery for Thoracic Myelopathy Owing to Thoracic Ossification of The Ligamentum Flavum in a Nationwide Multicenter Prospectively Collected Study in 223 Patients. Spine, 2020, 45, E170-E178.	2.0	21
28	Perioperative complications of total en bloc spondylectomy for spinal tumours. Bone and Joint Journal, 2021, 103-B, 976-983.	4.4	21
29	Gradual spinal cord decompression through migration of floated plaques after anterior decompression via a posterolateral approach for OPLL in the thoracic spine. Journal of Neurosurgery: Spine, 2015, 23, 479-483.	1.7	20
30	Indication for anterior spinal cord decompression via a posterolateral approach for the treatment of ossification of the posterior longitudinal ligament in the thoracic spine: a prospective cohort study. European Spine Journal, 2020, 29, 113-121.	2.2	20
31	Current Management of Bone Metastases from Differentiated Thyroid Cancer. Cancers, 2021, 13, 4429.	3.7	18
32	Glucagon and Glucose as Major Regulators of Glycogen Metabolism in Primary Cultured Rat Hepatocytes 1. Journal of Biochemistry, 1984, 95, 1691-1696.	1.7	17
33	A Novel Method to Apply Osteogenic Potential of Adipose Derived Stem Cells in Orthopaedic Surgery. PLoS ONE, 2014, 9, e88874.	2.5	17
34	Effects of Radiation on Spinal Dura Mater and Surrounding Tissue in Mice. PLoS ONE, 2015, 10, e0133806.	2.5	17
35	The Effect of Spinal Shortening After Total En Bloc Spondylectomy. Journal of Spinal Disorders and Techniques, 2012, 25, E183-E190.	1.9	16
36	Increase of IL-12 following Reconstruction for Total En Bloc Spondylectomy Using Frozen Autografts Treated with Liquid Nitrogen. PLoS ONE, 2013, 8, e64818.	2.5	16

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37	Utility of bone SPECT/CT to identify the primary cause of pain in elderly patients with degenerative lumbar spine disease. Journal of Orthopaedic Surgery and Research, 2019, 14, 185.	2.3	16
38	Innovative exercise device for the abdominal trunk muscles: An early validation study. PLoS ONE, 2017, 12, e0172934.	2.5	16
39	Multi-Level Total En Bloc Spondylectomy for Solitary Lumbar Metastasis of Myxoid Liposarcoma. Orthopedics, 2010, 33, 1-4.	1.1	15
40	Prognostic Factors for Cervical Spinal Cord Injury without Major Bone Injury in Elderly Patients. Journal of Neurotrauma, 2022, 39, 658-666.	3.4	15
41	Systemic antitumor immune response following reconstruction using frozen autografts for total en bloc spondylectomy. Spine Journal, 2014, 14, 1567-1571.	1.3	14
42	Surgical Treatment for Cervical Diffuse Idiopathic Skeletal Hyperostosis as a Cause of Dysphagia. Spine Surgery and Related Research, 2018, 2, 197-201.	0.7	14
43	Clinical outcomes and survivals after total en bloc spondylectomy for metastatic leiomyosarcoma in the spine. European Spine Journal, 2020, 29, 3237-3244.	2.2	14
44	Incidental durotomy during total en bloc spondylectomy. Spine Journal, 2018, 18, 381-386.	1.3	13
45	Improvement of locomotive syndrome with surgical treatment in patients with degenerative diseases in the lumbar spine and lower extremities: a prospective cohort study. BMC Musculoskeletal Disorders, 2020, 21, 515.	1.9	13
46	Vertebral Osteomyelitis Caused by <i>Mycobacterium abscessus </i> Surgically Treated Using Antibacterial Iodine-Supported Instrumentation. Case Reports in Orthopedics, 2014, 2014, 1-4.	0.3	11
47	Spinal chordomas dedifferentiated to osteosarcoma: a report of two cases and a literature review. European Spine Journal, 2016, 25, 251-256.	2.2	11
48	Morphologic Changes After Denosumab Therapy in Patients with Giant Cell Tumor of the Spine: Report of Four Cases and a Review of the Literature. World Neurosurgery, 2019, 127, 38-46.	1.3	11
49	Kidney and Thyroid Cancer-Specific Treatment Algorithm for Spinal Metastases: AÂValidation Study. World Neurosurgery, 2019, 122, e1305-e1311.	1.3	11
50	Revision surgery for instrumentation failure after total en bloc spondylectomy: a retrospective case series. BMC Musculoskeletal Disorders, 2020, 21, 591.	1.9	11
51	Clinical characteristics in patients with ossification of the posterior longitudinal ligament: A prospective multi-institutional cross-sectional study. Scientific Reports, 2020, 10, 5532.	3.3	11
52	Clinical outcomes and prognostic factors following the surgical resection of renal cell carcinoma spinal metastases. Cancer Science, 2021, 112, 2416-2425.	3.9	11
53	Machine Learning Approach in Predicting Clinically Significant Improvements After Surgery in Patients with Cervical Ossification of the Posterior Longitudinal Ligament. Spine, 2021, 46, 1683-1689.	2.0	11
54	Postoperative Cerebrospinal Fluid Leakage Associated With Total En Bloc Spondylectomy. Orthopedics, 2015, 38, e561-6.	1.1	11

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55	Epidural inflammatory pseudotumor in the thoracic spine in a patient with polymyalgia rheumatica. Spine Journal, 2012, 12, e1-e4.	1.3	10
56	Fifteen-year Survivor of Renal Cell Carcinoma After Metastasectomies for Multiple Bone Metastases. Orthopedics, 2013, 36, e1454-7.	1.1	10
57	The efficacy of surgical treatment on locomotive syndrome and physical function in patients with lumbar spinal canal stenosis. Journal of Orthopaedic Science, 2021, 26, 327-331.	1.1	10
58	The efficacy of total hip arthroplasty on locomotive syndrome and its related physical function in patients with hip osteoarthritis. Journal of Orthopaedic Science, 2021, 26, 389-395.	1.1	10
59	Comparison of Surgical Outcomes After Open- and Double-Door Laminoplasties for Patients with Cervical Ossification of the Posterior Longitudinal Ligament. Spine, 2021, 46, E1238-E1245.	2.0	10
60	Association of low back pain with muscle weakness, decreased mobility function, and malnutrition in older women: A cross-sectional study. PLoS ONE, 2021, 16, e0245879.	2.5	10
61	Repeated total en bloc spondylectomy for spinal metastases at different sites in one patient. European Spine Journal, 2015, 24, 2196-2200.	2.2	9
62	Reliability of the muscle strength measurement and effects of the strengthening by an innovative exercise device for the abdominal trunk muscles. Journal of Back and Musculoskeletal Rehabilitation, 2020, 33, 677-684.	1.1	9
63	Perioperative Complications and Prognosis of Curative Surgical Resection for Spinal Metastases in Elderly Patients. World Neurosurgery, 2020, 137, e144-e151.	1.3	9
64	Contralateral Lower-Limb Functional Status Before Total Hip Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2021, 103, 1093-1103.	3.0	9
65	Invasiveness Reduction of Recent Total <i>En Bloc</i> Spondylectomy: Assessment of the Learning Curve. Asian Spine Journal, 2016, 10, 522.	2.0	9
66	Motor Function of the Upper-Extremity after Transection of the Second Thoracic Nerve Root during Total En Bloc Spondylectomy. PLoS ONE, 2014, 9, e109838.	2.5	8
67	Disappearance of lung adenocarcinoma after total en bloc spondylectomy using frozen tumor-bearing vertebra for reconstruction. European Spine Journal, 2016, 25, 53-57.	2.2	8
68	Risk factors for local recurrence after total en bloc spondylectomy for metastatic spinal tumors: A retrospective study. Journal of Orthopaedic Science, 2018, 23, 459-463.	1.1	8
69	Efficacy and Safety of Abdominal Trunk Muscle Strengthening Using an Innovative Device in Elderly Patients With Chronic Low Back Pain: A Pilot Study. Annals of Rehabilitation Medicine, 2020, 44, 246-255.	1.6	8
70	Surgical metastasectomy for renal cell carcinoma: which patients are the real candidates for surgery?. Annals of Translational Medicine, 2019, 7, S273-S273.	1.7	7
71	The prevalence and impact of sarcopenia in females undergoing total hip arthroplasty: A prospective study. Modern Rheumatology, 2022, 32, 193-198.	1.8	7
72	Reconstruction using a frozen tumor-bearing vertebra in total en bloc spondylectomy can enhance antitumor immunity. European Spine Journal, 2014, 23, 222-227.	2.2	6

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73	Outcome of posterior lumbar interbody fusion for L4-L5 degenerative spondylolisthesis. Indian Journal of Orthopaedics, 2015, 49, 284-288.	1.1	6
74	Associations between Clinical Symptoms and Degree of Ossification in Patients with Cervical Ossification of the Posterior Longitudinal Ligament: A Prospective Multi-Institutional Cross-Sectional Study. Journal of Clinical Medicine, 2020, 9, 4055.	2.4	6
75	Efficacy of abdominal trunk muscles-strengthening exercise using an innovative device in treating chronic low back pain: a controlled clinical trial. Scientific Reports, 2020, 10, 21883.	3.3	6
76	More Than 10-year Follow-up After Laminoplasty and Pedicle Screw Fixation for Cervical Myelopathy Associated With Athetoid Cerebral Palsy. Spine, 2020, 45, 727-734.	2.0	6
77	Risk factors for poor outcomes of early rehabilitation after total en bloc spondylectomy: a retrospective chart review of 140 patients. Spinal Cord, 2020, 58, 900-907.	1.9	6
78	A histological examination of spinal reconstruction using a frozen bone autograft. PLoS ONE, 2018, $13$ , e0191679.	2.5	6
79	The Efficacy of Wide Resection for Musculoskeletal Metastatic Lesions of Renal Cell Carcinoma. Anticancer Research, 2018, 38, 577-582.	1.1	6
80	Risk Factor for Poor Patient Satisfaction After Lumbar Spine Surgery in Elderly Patients Aged Over 80 years. Clinical Spine Surgery, 2021, 34, E223-E228.	1.3	6
81	Comparison of laminoplasty and posterior fusion surgery for cervical ossification of posterior longitudinal ligament. Scientific Reports, 2022, 12, 748.	3.3	6
82	Extensive thoracolumbar spinal tuberculosis treated with two-stage surgery using a minimally invasive posterior instrumentation. European Journal of Orthopaedic Surgery and Traumatology, 2011, 21, 407-409.	1.4	5
83	En bloc corpectomy for late gastrointestinal stromal tumor metastasis: a case report and review of the literature. Journal of Medical Case Reports, 2018, 12, 300.	0.8	5
84	Impact of Diabetes Mellitus on Cervical Spine Surgery for Ossification of the Posterior Longitudinal Ligament. Journal of Clinical Medicine, 2021, 10, 3375.	2.4	5
85	Prevalence and Risk Factors for the Development of Venous Thromboembolism After Spinal Tumor Surgery. World Neurosurgery, 2022, 164, e177-e182.	1.3	5
86	Prognostic Factors for Respiratory Dysfunction for Cervical Spinal Cord Injury and/or Cervical Fractures in Elderly Patients: A Multicenter Survey. Global Spine Journal, 2024, 14, 101-112.	2.3	5
87	Successful treatment of a diffuse type tenosynovial giant cell tumor in the thoracic spine mimicking spinal metastasis by frozen recapping laminoplasty in a patient with thyroid cancer. European Spine Journal, 2018, 27, 526-532.	2.2	4
88	Correlation between osteoporotic vertebral fracture and abdominal trunk muscle strength in middle-aged and older women. Archives of Osteoporosis, 2019, 14, 106.	2.4	4
89	Determining Patient Satisfaction and Treatment Desires in Patients With Musculoskeletal Sarcoma of the Knee After Joint-preservation Surgery Using a Questionnaire Survey. Anticancer Research, 2019, 39, 1965-1969.	1.1	4
90	Associations between Clinical Findings and Severity of Diffuse Idiopathic Skeletal Hyperostosis in Patients with Ossification of the Posterior Longitudinal Ligament. Journal of Clinical Medicine, 2021, 10, 4137.	2.4	4

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91	Delayed-Onset Paraplegia Due to Spinal Cord Infarction After Repeated Tumor Excision Surgeries of the Thoracic Spine. Orthopedics, 2019, 42, e131-e134.	1.1	4
92	Risk factors of cervical surgery related complications in patients older than 80 years. Spine Surgery and Related Research, 2017, 1, 179-184.	0.7	3
93	Spontaneous derotation of compensatory lumbar curve after thoracic fusion in adolescent idiopathic scoliosis. Spine Surgery and Related Research, 2017, 1, 27-30.	0.7	3
94	Fluoroscopy-assisted posterior percutaneous reduction for the management of unilateral cervical facet dislocations after unsuccessful closed reduction: A case report. International Journal of Surgery Case Reports, 2019, 58, 212-215.	0.6	3
95	Satisfaction After Joint-preservation Surgery in Patients With Musculoskeletal Knee Sarcoma Based on Various Scores. Anticancer Research, 2019, 39, 1959-1964.	1.1	3
96	Motor and Sensory Impairments of the Lower Extremities After L2 Nerve Root Transection During Total en Bloc Spondylectomy. Spine, 2019, 44, 1129-1136.	2.0	3
97	Long-Term Outcomes of Excision Surgery for Aggressive Vertebral Hemangiomas. World Neurosurgery, 2020, 142, e474-e480.	1.3	3
98	Abscopal Effect of Frozen Autograft Reconstruction Combined with an Immune Checkpoint Inhibitor Analyzed Using a Metastatic Bone Tumor Model. International Journal of Molecular Sciences, 2021, 22, 1973.	4.1	3
99	The impact of ossification spread on cervical spine function in patients with ossification of the posterior longitudinal ligament. Scientific Reports, 2021, 11, 14337.	3.3	3
100	Validation and comparison of trunk muscle activities in male participants during exercise using an innovative device and abdominal bracing maneuvers. Journal of Back and Musculoskeletal Rehabilitation, 2021, , 1-8.	1.1	3
101	Patient-reported Outcome and Quality of Life after Treatment with External Fixation: A Questionnaire-based Survey. Strategies in Trauma and Limb Reconstruction, 2021, 16, 27-31.	0.8	3
102	Radiation Disrupts the Protective Function of the Spinal Meninges in a Mouse Model of Tumor-induced Spinal Cord Compression. Clinical Orthopaedics and Related Research, 2021, 479, 163-176.	1.5	3
103	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. Journal of Clinical Medicine, 2021, 10, 5026.	2.4	3
104	Is anterior decompression and fusion more beneficial than laminoplasty for K-line (+) cervical ossification of the posterior longitudinal ligament? An analysis using propensity score matching. Journal of Neurosurgery: Spine, 2022, 37, 13-20.	1.7	3
105	Posterior curve correction using convex posterior hemi-interbody arthrodesis in skeletally immature patients with scoliosis. Spine Journal, 2016, 16, 1152-1156.	1.3	2
106	Surgical Technique of Vertebral Body Removal and Anterior Reconstruction in L5 Spondylectomy. Spine Surgery and Related Research, 2018, 2, 236-242.	0.7	2
107	The characteristics of the young patients with cervical ossification of the posterior longitudinal ligament of the spine: A multicenter cross-sectional study. Journal of Orthopaedic Science, 2021, , .	1.1	2
108	Association between Severity of Diffuse Idiopathic Skeletal Hyperostosis and Ossification of Other Spinal Ligaments in Patients with Ossification of the Posterior Longitudinal Ligament. Journal of Clinical Medicine, 2021, 10, 4690.	2.4	2

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109	Clinical Characteristics of Patients with Ossification of the Posterior Longitudinal Ligament and a High OP Index: A Multicenter Cross-Sectional Study (JOSL Study). Journal of Clinical Medicine, 2022, 11, 3694.	2.4	2
110	Medium to Long-Term Clinical Outcomes of Spinal Metastasectomy. Cancers, 2022, 14, 2852.	3.7	2
111	Does surgery improve neurological outcomes in older individuals with cervical spinal cord injury without bone injury? A multicenter study. Spinal Cord, 2022, 60, 895-902.	1.9	2
112	Extensive thoracolumbar spinal tuberculosis treated with two-stage surgery using a minimally invasive posterior instrumentation. ArgoSpine News and Journal, 2011, 23, 171-173.	0.1	1
113	Spinal Metastasis from Subcutaneous Sacrococcygeal Ependymoma: A Case Report with Long-Term Follow-Up. The Surgery Journal, 2015, 01, e50-e53.	0.7	1
114	The Large Individual Differences in the Range of Hip Joint Motion Rather Than Lumbar Spine Motion Affect Dynamic Spinopelvic Rhythm. Spine Surgery and Related Research, 2019, 3, 255-260.	0.7	1
115	Efficacy of vertebral cryoablation and immunotherapy in a patient with metastatic renal cell carcinoma: a case report. Journal of Medical Case Reports, 2019, 13, 96.	0.8	1
116	A comparison of bone conductivity on titanium screws inserted into the vertebra using different surface processing. Journal of Experimental Orthopaedics, 2020, 7, 29.	1.8	1
117	Delayed ischemic spinal cord injury after total en bloc spondylectomy in the thoracic spine. Journal of Orthopaedic Science, 2023, 28, 1179-1183.	1.1	1
118	Implantation of Liquid Nitrogen Frozen Tumor Tissue after Posterior Decompression and Stabilization for Metastatic Spinal Tumors. Asian Spine Journal, 2015, 9, 869.	2.0	1
119	Evaluation of locomotive syndrome in patients receiving surgical treatment for degenerative musculoskeletal diseases: A multicentre prospective study using the new criteria. Modern Rheumatology, 2022, 32, 822-829.	1.8	1
120	Impact of obesity on cervical ossification of the posterior longitudinal ligament: a nationwide prospective study. Scientific Reports, 2022, 12, .	3.3	1
121	Neurological improvement is associated with neck pain attenuation after surgery for cervical ossification of the posterior longitudinal ligament. Scientific Reports, 2021, 11, 11910.	3.3	0
122	In Reply. Oncologist, 2021, 26, e2098-e2098.	3.7	0
123	Major complications after total en bloc spondylectomy with high-dose radiation therapy for spinal metastasis: A case report and review of literature. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2021, 25, 101279.	0.3	0
124	Total en bloc spondylectomy enhancing antitumor immunity for spine tumors Journal of Clinical Oncology, 2014, 32, e13036-e13036.	1.6	0
125	Survival and prognostic factors of patients who underwent total en bloc resection of spinal metastasis from renal cell carcinoma Journal of Clinical Oncology, 2014, 32, e15548-e15548.	1.6	0
126	More than 10-year follow-up after total en bloc spondylectomy for spinal tumors Journal of Clinical Oncology, 2014, 32, e21503-e21503.	1.6	0

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127	Invasiveness reduction of recent total en bloc spondylectomy Journal of Clinical Oncology, 2014, 32, e13037-e13037.	1.6	O
128	Circumferential Decompression Through Posterior Approach for Thoracic OPLL: Technique and Complications., 2020,, 235-242.		0