

# Tomohiro Banno

## List of Publications by Year in descending order

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99  
papers

1,234  
citations

430874

18  
h-index

477307

29  
g-index

101  
all docs

101  
docs citations

101  
times ranked

998  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Influence of Age and Sex on Cervical Spinal Alignment Among Volunteers Aged Over 50. <i>Spine</i> , 2015, 40, 1487-1494.	2.0	113
2	The cohort study for the determination of reference values for spinopelvic parameters (T1 pelvic Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 7	2.2	63
3	Predicting Perioperative Complications in Adult Spinal Deformity Surgery Using a Simple Sliding Scale. <i>Spine</i> , 2018, 43, 562-570.	2.0	50
4	Lumbosacral Junctional Failures After Long Spinal Fusion for Adult Spinal Deformity—Which Vertebra Is the Preferred Distal Instrumented Vertebra?. <i>Spine Deformity</i> , 2016, 4, 378-384.	1.5	49
5	Preoperative Age and Prognostic Nutritional Index Are Useful Factors for Evaluating Postoperative Delirium Among Patients With Adult Spinal Deformity. <i>Spine</i> , 2019, 44, 472-478.	2.0	44
6	Prevalence and Risk Factors of Iliac Screw Loosening After Adult Spinal Deformity Surgery. <i>Spine</i> , 2017, 42, E1024-E1030.	2.0	43
7	Minimum Clinically Important Differences in Oswestry Disability Index Domains and Their Impact on Adult Spinal Deformity Surgery. <i>Asian Spine Journal</i> , 2019, 13, 35-44.	2.0	39
8	Discrepancy Between Standing Posture and Sagittal Balance During Walking in Adult Spinal Deformity Patients. <i>Spine</i> , 2017, 42, E25-E30.	2.0	36
9	T1 Pelvic Angle Is a Useful Parameter for Postoperative Evaluation in Adult Spinal Deformity Patients. <i>Spine</i> , 2016, 41, 1641-1648.	2.0	33
10	Preoperative T1 Slope More Than 40° as a Risk Factor of Correction Loss in Patients With Adult Spinal Deformity. <i>Spine</i> , 2016, 41, E1168-E1176.	2.0	30
11	Assessment of the Cross-Sectional Areas of the Psoas Major and Multifidus Muscles in Patients With Adult Spinal Deformity. <i>Clinical Spine Surgery</i> , 2017, 30, E968-E973.	1.3	27
12	Does preoperative prognostic nutrition index predict surgical site infection after spine surgery?. <i>European Spine Journal</i> , 2021, 30, 1765-1773.	2.2	27
13	Long additional rod constructs can reduce the incidence of rod fractures following 3-column osteotomy with pelvic fixation in short term. <i>Spine Deformity</i> , 2020, 8, 481-490.	1.5	27
14	The Effect of Paravertebral Muscle on the Maintenance of Upright Posture in Patients With Adult Spinal Deformity. <i>Spine Deformity</i> , 2019, 7, 125-131.	1.5	25
15	Increased arachidonic acid-containing phosphatidylcholine is associated with reactive microglia and astrocytes in the spinal cord after peripheral nerve injury. <i>Scientific Reports</i> , 2016, 6, 26427.	3.3	24
16	Clinical outcome of condoliase injection treatment for lumbar disc herniation: Indications for condoliase therapy. <i>Journal of Orthopaedic Science</i> , 2021, 26, 79-85.	1.1	22
17	Multi-Rod Constructs Can Increase the Incidence of Iliac Screw Loosening after Surgery for Adult Spinal Deformity. <i>Asian Spine Journal</i> , 2019, 13, 500-510.	2.0	21
18	Preoperative and Postoperative Sitting Radiographs for Adult Spinal Deformity Surgery. <i>Spine</i> , 2020, 45, E950-E958.	2.0	20

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19	Impact of total propofol dose during spinal surgery: anesthetic fade on transcranial motor evoked potentials. <i>Journal of Neurosurgery: Spine</i> , 2019, 30, 705-713.	1.7	20
20	Difference in Spinal Sagittal Alignment and Health-Related Quality of Life between Males and Females with Cervical Deformity. <i>Asian Spine Journal</i> , 2017, 11, 959-967.	2.0	19
21	Age variation in the minimum clinically important difference in SRS-22r after surgical treatment for adult spinal deformity – A single institution analysis in Japan. <i>Journal of Orthopaedic Science</i> , 2018, 23, 20-25.	1.1	18
22	Rigorous Correction of Sagittal Vertical Axis Is Correlated With Better ODI Outcomes After Extensive Corrective Fusion in Elderly or Extremely Elderly Patients With Spinal Deformity. <i>Spine Deformity</i> , 2019, 7, 610-618.	1.5	18
23	Differences in the geometrical spinal shape in the sagittal plane according to age and magnitude of pelvic incidence in healthy elderly individuals. <i>Journal of Orthopaedic Science</i> , 2020, 25, 557-564.	1.1	18
24	Does N-terminal Pro-brain Type Natriuretic Peptide Predict Cardiac Complications After Hip Fracture Surgery?. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 1730-1736.	1.5	17
25	Postoperative Disability After Long Corrective Fusion to the Pelvis in Elderly Patients With Spinal Deformity. <i>Spine</i> , 2018, 43, E804-E812.	2.0	17
26	The Risk of Proximal Junctional Kyphosis Decreases in Patients With Optimal Thoracic Kyphosis. <i>Spine Deformity</i> , 2019, 7, 759-770.	1.5	17
27	Cultural Variations in the Minimum Clinically Important Difference Thresholds for SRS-22R After Surgery for Adult Spinal Deformity. <i>Spine Deformity</i> , 2019, 7, 627-632.	1.5	15
28	Extensive Corrective Fixation Surgeries for Adult Spinal Deformity Improve Posture and Lower Extremity Kinematics During Gait. <i>Spine</i> , 2017, 42, 1456-1463.	2.0	14
29	The controlled study of diffuse idiopathic skeletal hyperostosis for the assessment of physical function in elderly populations. <i>Journal of Orthopaedic Science</i> , 2018, 23, 929-934.	1.1	14
30	Planned two-stage surgery using lateral lumbar interbody fusion and posterior corrective fusion: a retrospective study of perioperative complications. <i>European Spine Journal</i> , 2021, 30, 2368-2376.	2.2	14
31	Assessment of the Change in Alignment of Fixed Segment After Adult Spinal Deformity Surgery. <i>Spine</i> , 2018, 43, 262-269.	2.0	13
32	Arachidonic acid containing phosphatidylcholine increases due to microglial activation in ipsilateral spinal dorsal horn following spared sciatic nerve injury. <i>PLoS ONE</i> , 2017, 12, e0177595.	2.5	13
33	Association between a prognostic nutritional index less than 50 and the risk of medical complications after adult spinal deformity surgery. <i>Journal of Neurosurgery: Spine</i> , 2020, 33, 219-224.	1.7	13
34	Effects of mirror placement on sagittal alignment of the spine during acquisition of full-spine standing X-Rays. <i>European Spine Journal</i> , 2018, 27, 442-447.	2.2	12
35	Lysophosphatidic acid precursor levels decrease and an arachidonic acid-containing phosphatidylcholine level increases in the dorsal root ganglion of mice after peripheral nerve injury. <i>Neuroscience Letters</i> , 2019, 698, 69-75.	2.1	12
36	Impact of adult spinal deformity corrective surgery in patients with the symptoms of gastroesophageal reflux disease: a 5-year follow-up report. <i>European Spine Journal</i> , 2020, 29, 860-869.	2.2	12

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37	Hypertrophy of the ligamentum flavum in lumbar spinal canal stenosis is associated with abnormal accumulation of specific lipids. <i>Scientific Reports</i> , 2021, 11, 23515.	3.3	12
38	Dislocation rate and its risk factors in total hip arthroplasty with concurrent extensive spinal corrective fusion with pelvic fixation for adult spinal deformity. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2021, 31, 283-290.	1.4	11
39	Impact of intrawound vancomycin powder on prevention of surgical site infection after posterior spinal surgery. <i>Journal of Neurosurgery: Spine</i> , 2021, 34, 656-664.	1.7	11
40	Relationship between Spinal Hemangioblastoma Location and Age. <i>Asian Spine Journal</i> , 2016, 10, 309.	2.0	11
41	Impact of pelvic obliquity on coronal alignment in patients with adolescent idiopathic scoliosis. <i>Spine Deformity</i> , 2020, 8, 1269-1278.	1.5	10
42	Deterioration of sagittal spinal alignment with age originates from the pelvis not the lumbar spine: a 4-year longitudinal cohort study. <i>European Spine Journal</i> , 2020, 29, 2329-2339.	2.2	10
43	Intraoperative Neuromonitoring During Adult Spinal Deformity Surgery: Alert-Positive Cases for Various Surgical Procedures. <i>Spine Deformity</i> , 2019, 7, 132-140.	1.5	9
44	Disc degeneration could be recovered after chemonucleolysis with condoliase.-1 year clinical outcome of condoliase therapy. <i>Journal of Orthopaedic Science</i> , 2022, 27, 767-773.	1.1	9
45	Cut-off values of and factors associated with a negative influence on Neck Disability Index. <i>European Spine Journal</i> , 2018, 27, 1423-1431.	2.2	8
46	Effect of Perioperative Mental Status on Health-related Quality of Life in Patients With Adult Spinal Deformities. <i>Spine</i> , 2020, 45, E76-E82.	2.0	8
47	Evaluation of the Central Sensitization Inventory Score in elderly adults with musculoskeletal examination. <i>Modern Rheumatology</i> , 2021, 31, 885-889.	1.8	8
48	Relationship between locomotive syndrome, frailty and sarcopenia: Locomotive syndrome overlapped in the majority of frailty and sarcopenia patients. <i>Geriatrics and Gerontology International</i> , 2021, 21, 458-464.	1.5	7
49	Impact of Spinal Correction Surgeries with Osteotomy and Pelvic Fixation in Patients with Kyphosis Due to Osteoporotic Vertebral Fractures. <i>Asian Spine Journal</i> , 2021, 15, 523-532.	2.0	7
50	The Effect of Preoperative Nutritional Intervention for Adult Spinal Deformity Patients. <i>Spine</i> , 2022, 47, 387-395.	2.0	7
51	Factors Associated with Improved Quality of Life Outcomes in Patients Undergoing Surgery for Adult Spinal Deformity. <i>Spine</i> , 2021, 46, E384-E391.	2.0	7
52	Transcranial Motor Evoked Potential Monitoring for the Detection of Nerve Root Injury during Adult Spinal Deformity Surgery. <i>Asian Spine Journal</i> , 2018, 12, 639-647.	2.0	7
53	Preoperative Thoracic Curve Magnitude and L4 End Vertebra Were Risk Factors for Subjacent Disc Wedging After Selective Thoracolumbar/Lumbar Fusion with L3 as the Lowest Instrumented Vertebra in Lenke Type 5 Curve Patients. <i>Spine</i> , 2021, 46, E878-E887.	2.0	6
54	Postoperative Change of Thoracic Kyphosis after Corrective Surgery for Adult Spinal Deformity. <i>Spine Surgery and Related Research</i> , 2018, 2, 283-289.	0.7	5

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55	Impact of shift to the concave side of the C7-center sacral vertical line on de novo degenerative lumbar scoliosis progression in elderly volunteers. <i>Journal of Orthopaedic Science</i> , 2020, 25, 82-88.	1.1	5
56	L5 pedicle subtraction osteotomy maintains good radiological and clinical outcomes in elderly patients with a rigid kyphosis deformity: a more than 2-year follow-up report. <i>European Spine Journal</i> , 2020, 29, 3018-3027.	2.2	5
57	Effect of sagittal shape on proximal junctional kyphosis following thoracopelvic corrective fusion for adult spinal deformity: postoperative inflection vertebra cranial to T12 is a significant risk factor. <i>Spine Deformity</i> , 2020, 8, 1313-1323.	1.5	5
58	Low occupancy rate of the pedicle screw in the vertebral body leads to upper instrumented vertebral fracture. <i>Scientific Reports</i> , 2020, 10, 10270.	3.3	5
59	Spinal shortening osteotomy for adult tethered cord syndrome evaluated by intraoperative ultrasonography. <i>Journal of Orthopaedic Science</i> , 2021, 26, 363-368.	1.1	5
60	Cost-effectiveness of Corrective Fusion Surgeries for Adult Spinal Deformities. <i>Spine</i> , 2021, 46, 1249-1257.	2.0	5
61	Hypertension Is Related to Positive Global Sagittal Alignment: A Cross-Sectional Cohort Study. <i>Asian Spine Journal</i> , 2019, 13, 895-903.	2.0	5
62	Revision Surgery Due to Proximal Junctional Failure and Rod Fracture in Adult Deformity Surgery at a Single Institution in Japan. <i>Spine Surgery and Related Research</i> , 2022, 6, 497-502.	0.7	5
63	Changes of bone mineral density and serum pentosidine during a 27-month follow-up of monthly minodronate in osteoporotic patients. <i>Endocrine Research</i> , 2017, 42, 1-9.	1.2	4
64	Brain Activation in a Cynomolgus Macaque Model of Chymopapain-Induced Discogenic Low Back Pain: A Preliminary Study. <i>Spine Surgery and Related Research</i> , 2019, 3, 368-376.	0.7	4
65	Lumbar Retrolisthesis Compensates Spinal Kyphosis. <i>Spine Deformity</i> , 2019, 7, 602-609.	1.5	4
66	Comparison of Postoperative Outcomes According to Compensatory Changes of the Thoracic Spine Among Patients With a T1 Slope More Than 40°. <i>Spine</i> , 2019, 44, 579-587.	2.0	4
67	Prospective nursing care certification using the <sc>25â€</sc>question Geriatric Locomotive Function Scale. <i>Geriatrics and Gerontology International</i> , 2021, 21, 492-497.	1.5	4
68	Impact of Habitual Exercise on Locomotive Function of Middle-aged and Elderly Volunteers: A Longitudinal Study. <i>Progress in Rehabilitation Medicine</i> , 2021, 6, n/a.	0.9	4
69	The Incidence of Iliac Screw-Related Complications After Long Fusion Surgery in Patients with Adult Spinal Deformity. <i>Spine</i> , 2022, 47, 539-547.	2.0	4
70	Extensive Spinal Fusion Surgery in Patients With Parkinson Disease or Atypical Parkinsonism. <i>Spine</i> , 2020, 45, E217-E226.	2.0	3
71	Retroperitoneal Neurofibroma and a Malignant Peripheral Nerve Sheath Tumor with Neurofibromatosis Type 1: A Report of Two Cases. <i>Spine Surgery and Related Research</i> , 2020, 4, 369-373.	0.7	3
72	Comparison of the postoperative changes in trunk and lower extremity muscle activities between patients with adult spinal deformity and age-matched controls using surface electromyography. <i>Spine Deformity</i> , 2021, , 1.	1.5	3

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73	Spinal Sagittal Alignment, Hospital Anxiety and Depression Scale Scores, and Patient-Reported Outcome among People with Sporting Activity. <i>Asian Spine Journal</i> , 2020, 14, 341-349.	2.0	3
74	Influence of the Sagittal Vertical Axis on the Risk of Falls in Community-Dwelling Elderly People: A Retrospective Longitudinal Study. <i>Spine Surgery and Related Research</i> , 2020, 4, 237-241.	0.7	3
75	Measuring Muscle Activity in the Trunk, Pelvis, and Lower Limb Which Are Used to Maintain Standing Posture in Patients With Adult Spinal Deformity, With Focus on Muscles that Contract in the Compensatory Status. <i>Global Spine Journal</i> , 2022, , 219256822210792.	2.3	3
76	Revision Surgery for a Rod Fracture with Multirod Constructs Using a Posterior-Only Approach Following Surgery for Adult Spinal Deformity. <i>Asian Spine Journal</i> , 2022, 16, 740-748.	2.0	3
77	Characteristics of pedicle screw misplacement using freehand technique in degenerative scoliosis surgery. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2023, 143, 1861-1867.	2.4	3
78	Characteristics affecting cervical sagittal alignment in patients with chronic low back pain. <i>Journal of Orthopaedic Science</i> , 2021, 26, 577-583.	1.1	2
79	Incidence and Predictors of Postoperative Kyphotic Deformity after Thoracic Spinal Cord Tumor Resection. <i>Spine Surgery and Related Research</i> , 2021, 6, 17-25.	0.7	2
80	Selective Angiography to Detect Anterior Spinal Artery Stenosis in Thoracic Ossification of the Posterior Longitudinal Ligament. <i>Asian Spine Journal</i> , 2022, 16, 334-342.	2.0	2
81	Risk Factors for Cervical Deformity After Posterior Cervical Decompression Surgery: A Multicenter Study. <i>Global Spine Journal</i> , 2023, 13, 1457-1466.	2.3	2
82	Should L3 be selected as the lowest instrumented vertebra in patients with Lenke type 5C adolescent idiopathic scoliosis whose lowest end vertebra is L4?. <i>Journal of Neurosurgery: Spine</i> , 2021, 35, 330-339.	1.7	2
83	Simulation of Implant Impingement After Spinal Corrective Fusion Surgery in Patients with Previous Total Hip Arthroplasty: A Retrospective Case Series. <i>Spine</i> , 2021, 46, 512-519.	2.0	2
84	Initiation of Monthly Minodronate Therapy at an Early Stage After Hip Fracture. <i>Journal of Clinical Densitometry</i> , 2016, 19, 352-358.	1.2	1
85	Preoperative pelvic obliquity: possible relation to postoperative coronal decompensation in thoracolumbar/lumbar adolescent idiopathic scoliosis. <i>Journal of Neurosurgery: Spine</i> , 2021, , 1-10.	1.7	1
86	Prevalence of Locomotive Dysfunction Exacerbating Systolic Blood Pressure and Abdominal Circumference: A Longitudinal Cohort Analysis. <i>Metabolic Syndrome and Related Disorders</i> , 2021, 19, 562-566.	1.3	1
87	How does corrective fusion surgery for adult spinal deformities affect pelvic inclination in the supine position as the reference plane for THA?. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2021, , 1.	1.4	1
88	Sex differences between the relationship of trunk muscle mass and whole body sagittal plane alignment in older adults. <i>Journal of Orthopaedic Science</i> , 2023, 28, 315-320.	1.1	1
89	Should the upper end vertebra be selected as the upper instrumented vertebra in patients with Lenke type 5C adolescent idiopathic scoliosis?. <i>Spine Deformity</i> , 2022, 10, 1139-1148.	1.5	1
90	Impact of obesity on cervical ossification of the posterior longitudinal ligament: a nationwide prospective study. <i>Scientific Reports</i> , 2022, 12, .	3.3	1

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91	The Impact of Geometrical Spinal Shape on Fresh Vertebral Fractures in Elderly Volunteers. <i>Spine</i> , 2020, 45, E1232-E1238.	2.0	0
92	Combination therapy with preoperative embolization and en block laminectomy using thread saw for spinous process solitary fibrous tumor: A case report. <i>Radiology Case Reports</i> , 2020, 15, 2607-2612.	0.6	0
93	Epidural Hemangioma: A Clinical Series of Five Patients and Review of Literature for the Decade. <i>Spine Surgery and Related Research</i> , 2021, 5, 133-143.	0.7	0
94	Association between Pelvic Parameters and Vaginal Delivery. <i>Asian Spine Journal</i> , 2021, , .	2.0	0
95	Observable Recurrence of Cervicothoracic Neurenteric Cyst after Subtotal Resection: A Case Report. <i>Spine Surgery and Related Research</i> , 2020, 4, 81-83.	0.7	0
96	Risk factors for coronal oblique take-off following adult spinal deformity surgery using lateral lumbar interbody fusion and open posterior corrective fusion. <i>Spine Deformity</i> , 2021, , .	1.5	0
97	Clinical Outcomes And Complications Of Corrective Fusion Surgery Down To L4, L5, And The Pelvis For Adult Scoliosis In Patients Younger Than 50 Years. <i>Spine Surgery and Related Research</i> , 2022, , .	0.7	0
98	Preoperative Malnutrition-Associated Spinal Malalignment with Patient-Reported Outcome Measures in Adult Spinal Deformity Surgery: A 2-Year Follow-Up Study. <i>Spine Surgery and Related Research</i> , 2023, 7, 74-82.	0.7	0
99	Risk factors and clinical impact of persistent coronal imbalance after posterior spinal fusion in thoracolumbar/lumbar idiopathic scoliosis. <i>Journal of Neurosurgery: Spine</i> , 2022, 37, 883-892.	1.7	0