Mitsuru Yagi

List of Publications by Year in descending order

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4,337	172457	118850
citations	h-index	g-index
134	134	4299
docs citations	times ranked	citing authors
	citations 134	4,337 29 citations h-index 134 134

#	Article	IF	CITATIONS
1	DC-STAMP is essential for cell–cell fusion in osteoclasts and foreign body giant cells. Journal of Experimental Medicine, 2005, 202, 345-351.	8.5	780
2	Incidence, Risk Factors and Classification of Proximal Junctional Kyphosis. Spine, 2011, 36, E60-E68.	2.0	324
3	Incidence, Risk Factors, and Natural Course of Proximal Junctional Kyphosis. Spine, 2012, 37, 1479-1489.	2.0	285
4	Characterization and Surgical Outcomes of Proximal Junctional Failure in Surgically Treated Patients With Adult Spinal Deformity. Spine, 2014, 39, E607-E614.	2.0	179
5	Reactive oxygen species induce chondrocyte hypertrophy in endochondral ossification. Journal of Experimental Medicine, 2007, 204, 1613-1623.	8.5	170
6	CD24 is expressed specifically in the nucleus pulposus of intervertebral discs. Biochemical and Biophysical Research Communications, 2005, 338, 1890-1896.	2.1	130
7	Long-term surgical outcome and risk factors in patients with cervical myelopathy and a change in signal intensity of intramedullary spinal cord on magnetic resonance imaging. Journal of Neurosurgery: Spine, 2010, 12, 59-65.	1.7	122
8	Induction of DC-STAMP by Alternative Activation and Downstream Signaling Mechanisms. Journal of Bone and Mineral Research, 2007, 22, 992-1001.	2.8	118
9	Role of DC-STAMP in cellular fusion of osteoclasts and macrophage giant cells. Journal of Bone and Mineral Metabolism, 2006, 24, 355-358.	2.7	106
10	The paravertebral muscle and psoas for the maintenance of global spinal alignment in patient with degenerative lumbar scoliosis. Spine Journal, 2016, 16, 451-458.	1.3	106
11	Reoperation rate and risk factors of elective spinal surgery for degenerative spondylolisthesis: minimum 5-year follow-up. Spine Journal, 2015, 15, 1536-1544.	1.3	101
12	Postoperative outcome after modified unilateral-approach microendoscopic midline decompression for degenerative spinal stenosis. Journal of Neurosurgery: Spine, 2009, 10, 293-299.	1.7	83
13	The 5-Item Modified Frailty Index Is Predictive of Severe Adverse Events in Patients Undergoing Surgery for Adult Spinal Deformity. Spine, 2019, 44, E1083-E1091.	2.0	79
14	Low Bone-Mineral Density Is a Significant Risk for Proximal Junctional Failure After Surgical Correction of Adult Spinal Deformity. Spine, 2018, 43, 485-491.	2.0	70
15	Impact of Frailty and Comorbidities on Surgical Outcomes and Complications in Adult Spinal Disorders. Spine, 2018, 43, 1259-1267.	2.0	67
16	Preoperative Halo-Gravity Traction for Severe Spinal Deformities at an SRS-GOP Site in West Africa. Spine, 2015, 40, 153-161.	2.0	62
17	Association of Postoperative Shoulder Balance With Adding-on in Lenke Type II Adolescent Idiopathic Scoliosis. Spine, 2014, 39, E705-E712.	2.0	57
18	Selection of Lower Instrumented Vertebra in Treating Lenke Type 2A Adolescent Idiopathic Scoliosis. Spine, 2014, 39, E253-E261.	2.0	50

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19	Characterization of Osteopenia/Osteoporosisin Adult Scoliosis. Spine, 2011, 36, 1652-1657.	2.0	47
20	Factors Affecting the Postoperative Progression of Thoracic Kyphosis in Surgically Treated Adult Patients With Lumbar Degenerative Scoliosis. Spine, 2014, 39, E521-E528.	2.0	43
21	Global Spinal Alignment in Cervical Kyphotic Deformity: The Importance of Head Position and Thoracolumbar Alignment in the Compensatory Mechanism. Neurosurgery, 2018, 82, 686-694.	1.1	43
22	Walking balance and compensatory gait mechanisms in surgically treated patients with adult spinal deformity. Spine Journal, 2017, 17, 409-417.	1.3	40
23	Fine-tuning the Predictive Model for Proximal Junctional Failure in Surgically Treated Patients With Adult Spinal Deformity. Spine, 2018, 43, 767-773.	2.0	38
24	Osteoclastic activity induces osteomodulin expression in osteoblasts. Biochemical and Biophysical Research Communications, 2007, 362, 460-466.	2.1	37
25	Potential Involvement of the IL-6/JAK/STAT3 Pathway in the Pathogenesis of Intervertebral Disc Degeneration. Spine, 2017, 42, E817-E824.	2.0	37
26	Incidence and Risk Factors for Major Surgical Complications in Patients With Complex Spinal Deformity: A Report From an SRS GOP Site. Spine Deformity, 2015, 3, 57-64.	1.5	34
27	Standing Balance and Compensatory Mechanisms in Patients With Adult Spinal Deformity. Spine, 2017, 42, E584-E591.	2.0	33
28	Predictive model for major complications 2Âyears after corrective spine surgery for adult spinal deformity. European Spine Journal, 2019, 28, 180-187.	2.2	32
29	A functional variant in MIR4300HG, the host gene of microRNA MIR4300 is associated with progression of adolescent idiopathic scoliosis. Human Molecular Genetics, 2017, 26, 4086-4092.	2.9	30
30	Spinal epidural lipomatosis is a previously unrecognized manifestation of metabolic syndrome. Spine Journal, 2019, 19, 493-500.	1.3	30
31	Long-term Clinical and Radiographic Outcomes of Pedicle Subtraction Osteotomy for Fixed Sagittal Imbalance: Does Level of Proximal Fusion Affect the Outcome? Minimum 5-Year Follow-up. Spine Deformity, 2013, 1, 123-131.	1.5	28
32	Discordance of gravity line and C7PL in patient with adult spinal deformity—factors affecting the occiput-trunk sagittal discordance. Spine Journal, 2015, 15, 213-221.	1.3	28
33	Does corrective spine surgery improve the standing balance in patients with adult spinal deformity?. Spine Journal, 2018, 18, 36-43.	1.3	27
34	Treatment for Frailty Does Not Improve Complication Rates in Corrective Surgery for Adult Spinal Deformity. Spine, 2019, 44, 723-731.	2.0	27
35	Predicting the Occurrence of Postoperative Distal Junctional Kyphosis in Cervical Deformity Patients. Neurosurgery, 2020, 86, E38-E46.	1.1	27
36	Role of Ethnicity in Alignment Compensation. Spine, 2017, 42, E234-E240.	2.0	26

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37	Lumbar spinal canal stenosis leads to locomotive syndrome in elderly patients. Journal of Orthopaedic Science, 2019, 24, 19-23.	1.1	25
38	Chest Cage Angle Difference and Rotation of Main Thoracic Curve are Independent Risk Factors of Postoperative Shoulder Imbalance in Surgically Treated Patients With Adolescent Idiopathic Scoliosis. Spine, 2013, 38, E1209-E1215.	2.0	24
39	A cost-effectiveness comparisons of adult spinal deformity surgery in the United States and Japan. European Spine Journal, 2018, 27, 678-684.	2.2	24
40	Surgical risk stratification based on preoperative risk factors in adult spinal deformity. Spine Journal, 2019, 19, 816-826.	1.3	24
41	Surgical Risk Stratification Based on Preoperative Risk Factors in Severe Pediatric Spinal Deformity Surgery. Spine Deformity, 2014, 2, 340-349.	1.5	23
42	Lumbar spinal surgery improves locomotive syndrome in elderly patients with lumbar spinal canal stenosis: A multicenter prospective study. Journal of Orthopaedic Science, 2020, 25, 213-218.	1.1	23
43	Symptomatic osteochondroma of the spine in elderly patients. Journal of Neurosurgery: Spine, 2009, 11, 64-70.	1.7	22
44	Clavicle Chest Cage Angle Difference (CCAD). Spine, 2013, 38, E705-E712.	2.0	20
45	Sagittal Cervical Alignment in Adolescent Idiopathic Scoliosis. Spine Deformity, 2014, 2, 122-130.	1.5	20
46	Drop Body Syndrome. Spine, 2017, 42, E969-E977.	2.0	19
47	Spinal fractures in patients with diffuse idiopathic skeletal hyperostosis: Clinical characteristics by fracture level. Journal of Orthopaedic Science, 2019, 24, 393-399.	1.1	19
48	Postoperative behavior of thoracolumbar/lumbar curve and coronal balance after posterior thoracic fusion for Lenke 1C and 2C adolescent idiopathic scoliosis. Journal of Orthopaedic Science, 2015, 20, 31-37.	1.1	18
49	Risk factor analysis of kyphotic malalignment after cervical intramedullary tumor resection in adults. Journal of Neurosurgery: Spine, 2017, 27, 518-527.	1.7	18
50	How Cervical Reconstruction Surgery Affects Global Spinal Alignment. Neurosurgery, 2019, 84, 898-907.	1.1	18
51	Scoliosis is a Risk Factor for Gastroesophageal Reflux Disease in Adult Spinal Deformity. Clinical Spine Surgery, 2017, 30, E480-E484.	1.3	17
52	Variability in Assessing Spinopelvic Parameters With Lumbosacral Transitional Vertebrae. Spine, 2018, 43, 813-816.	2.0	17
53	The effectiveness of chemonucleolysis with condoliase for treatment of painful lumbar disc herniation. Journal of Orthopaedic Science, 2021, 26, 548-554.	1.1	17
54	Clinical Outcomes, Complications, and Cost-effectiveness in Surgically Treated Adult Spinal Deformity Over 70 Years. Clinical Spine Surgery, 2020, 33, E14-E20.	1.3	17

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55	Spinal fractures in diffuse idiopathic skeletal hyperostosis: Advantages of percutaneous pedicle screw fixation. Journal of Orthopaedic Surgery, 2019, 27, 230949901984340.	1.0	16
56	Risk, Recovery, and Clinical Impact of Neurological Complications in Adult Spinal Deformity Surgery. Spine, 2019, 44, 1364-1370.	2.0	16
57	Impact of lumbar hypolordosis on the incidence of symptomatic postoperative spinal epidural hematoma after decompression surgery for lumbar spinal canal stenosis. European Spine Journal, 2019, 28, 87-93.	2.2	16
58	Idiopathic Spinal Epidural Fat Accumulation Is Associated With Hyperlipidemia. Spine, 2018, 43, E468-E473.	2.0	15
59	Predictive Probability of the Global Alignment and Proportion Score for the Development of Mechanical Failure Following Adult Spinal Deformity Surgery in Asian Patients. Spine, 2021, 46, E80-E86.	2.0	15
60	Negative impact of spinal epidural lipomatosis on the surgical outcome of posterior lumbar spinous-splitting decompression surgery: a multicenter retrospective study. Spine Journal, 2019, 19, 1977-1985.	1.3	14
61	Metabolic Syndrome is a Predisposing Factor for Diffuse Idiopathic Skeletal Hyperostosis. Neurospine, 2021, 18, 109-116.	2.9	14
62	Clinical outcomes and prognostic factors for cavernous hemangiomas of the spinal cord: a retrospective cohort study. Journal of Neurosurgery: Spine, 2019, 31, 271-278.	1.7	14
63	Surgical Treatment of Cervical Spondylotic Myelopathy in the Elderly. Spine, 2018, 43, E1430-E1436.	2.0	13
64	Stride length of elderly patients with lumbar spinal stenosis: Multi-center study using the Two-Step test. Journal of Orthopaedic Science, 2019, 24, 787-792.	1.1	13
65	Association of Susceptibility Genes for Adolescent Idiopathic Scoliosis and Intervertebral Disc Degeneration With Adult Spinal Deformity. Spine, 2019, 44, 1623-1629.	2.0	13
66	Potential association of metabolic and musculoskeletal disorders with lumbar intervertebral disc degeneration: Cross-sectional study using medical checkup data. Journal of Orthopaedic Science, 2020, 25, 384-388.	1.1	13
67	Outcome of Revision Surgery in Pediatric Spine Deformity Patients. Spine Deformity, 2013, 1, 59-67.	1.5	12
68	Comparisons of direct costs, outcomes, and cost-utility of decompression surgery with fusion versus decompression alone for degenerative lumbar spondylolisthesis. Journal of Orthopaedic Science, 2018, 23, 653-657.	1.1	12
69	Clinical indicators of surgical outcomes after cervical single open-door laminoplasty assessed by the Japanese Orthopaedic Association Cervical Myelopathy Evaluation Questionnaire. Spinal Cord, 2019, 57, 644-651.	1.9	12
70	Surgical Outcomes for Drop Body Syndrome in Adult Spinal Deformity. Spine, 2019, 44, 571-578.	2.0	12
71	Apex of deformity for three-column osteotomy. Does it matter in the occurrence of complications?. Spine Journal, 2015, 15, 2351-2359.	1.3	11
72	Walking sagittal balance correction by pedicle subtraction osteotomy in adults with fixed sagittal imbalance. European Spine Journal, 2016, 25, 2488-2496.	2.2	11

#	Article	IF	Citations
73	Presence of Modic type 1 change increases risk of postoperative pyogenic discitis following decompression surgery for lumbar canal stenosis. Journal of Orthopaedic Science, 2017, 22, 988-993.	1.1	10
74	Midterm surgical outcomes of a short fusion strategy for adolescent idiopathic scoliosis with Lenke 5C curve. Spine Journal, 2020, 20, 361-368.	1.3	10
75	Clinical outcomes and a therapeutic indication of intramedullary spinal cord astrocytoma. Spinal Cord, 2022, 60, 216-222.	1.9	10
76	Diabetes Does Not Adversely Affect Neurological Recovery and Reduction of Neck Pain After Posterior Decompression Surgery for Cervical Spondylotic Myelopathy. Spine, 2021, 46, 433-439.	2.0	10
77	Adult thoracolumbar and lumbar scoliosis treated with long vertebral fusion to the sacropelvis: a comparison between new hybrid selective spinal fusion versus anterior-posterior spinal instrumentation. Spine Journal, 2014, 14, 637-645.	1.3	9
78	Lumbar spinal canal stenosis in patients with diffuse idiopathic skeletal hyperostosis: Surgical outcomes after posterior decompression surgery without spinal instrumentation. Journal of Orthopaedic Science, 2019, 24, 999-1004.	1.1	9
79	Impact of fusion for adolescent idiopathic scoliosis on lung volume measured with computed tomography. European Spine Journal, 2019, 28, 2034-2041.	2.2	9
80	Tenosynovial giant cell tumor of the cervical spine: a case report. Spinal Cord Series and Cases, 2019, 5, 23.	0.6	9
81	Plate Fixation of Expansive Open-Door Laminoplasty Decreases the Incidence of Postoperative C5 Palsy. Clinical Spine Surgery, 2019, 32, E177-E182.	1. 3	9
82	Effectiveness of Duloxetine for Postsurgical Chronic Neuropathic Disorders after Spine and Spinal Cord Surgery. Asian Spine Journal, 2021, 15, 650-658.	2.0	9
83	Effect of the upper instrumented vertebral level (upper vs. lower thoracic spine) on gait ability after corrective surgery for adult spinal deformity. Spine Journal, 2018, 18, 130-138.	1.3	8
84	A Replication Study for the Association of rs11190870 With Curve Severity in Adolescent Idiopathic Scoliosis in Japanese. Spine, 2018, 43, 688-692.	2.0	7
85	Changes in sagittal alignment after surgical excision of thoracic spinal cord tumors in adults. Spinal Cord, 2019, 57, 380-387.	1.9	7
86	Limited Cost Benefit of Lateral Interbody Fusion for Adult Spinal Deformity Surgery. Spine, 2021, 46, 48-53.	2.0	7
87	Risk factors for early-onset radiographical adjacent segment disease in patients with spondylolytic spondylolisthesis after single-level posterior lumbar interbody fusion. Spine Journal, 2022, 22, 1112-1118.	1.3	7
88	Ethnic Variations in Radiographic Parameters and SRS-22 Scores in Adult Spinal Deformity. Clinical Spine Surgery, 2018, 31, 216-221.	1.3	6
89	Impact of Tobacco Smoking on Outcomes After Posterior Decompression Surgery in Patients With Cervical Spondylotic Myelopathy. Clinical Spine Surgery, 2020, 33, E493-E498.	1.3	6
90	Metabolite profiling of plasma in patients with ossification of the posterior longitudinal ligament. Journal of Orthopaedic Science, 2018, 23, 878-883.	1.1	5

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91	Does Posterior Cervical Decompression Conducted by Junior Surgeons Affect Clinical Outcomes in the Treatment of Cervical Spondylotic Myelopathy? Results From a Multicenter Study. Global Spine Journal, 2019, 9, 25-31.	2.3	5
92	Risk Factors for Postoperative Distal Adding-on in Lenke Type 1B and 1C and its Influence on Residual Lumbar Curve. Journal of Pediatric Orthopaedics, 2020, 40, e77-e83.	1.2	5
93	Grade III intradural extramedullary anaplastic ependymoma managed with near-complete resection and adjuvant radiotherapy: a case report. Spinal Cord Series and Cases, 2021, 7, 1.	0.6	5
94	Polygenic Risk Score of Adolescent Idiopathic Scoliosis for Potential Clinical Use. Journal of Bone and Mineral Research, 2020, 36, 1481-1491.	2.8	5
95	Poor Prognostic Factors for Surgical Treatment of Spinal Intramedullary Ependymoma (World Health) Tj ETQq $1\ 1$	0.784314	rgBT /Overl
96	Surgical and Functional Outcomes of Expansive Open-Door Laminoplasty for Patients With Mild Kyphotic Cervical Alignment. Neurospine, 2021, 18, 749-757.	2.9	5
97	Total Resection of Cervical Ventral Intramedullary Cavernous Hemangiomas with an Anterior Corpectomy. Spine Surgery and Related Research, 2018, 2, 331-334.	0.7	4
98	Imaging Comparison Between Chinese and Japanese Patients With Cervical Ossification of the Posterior Longitudinal Ligament. Spine, 2018, 43, E1376-E1383.	2.0	4
99	Lower Satisfaction After Adult Spinal Deformity Surgery in Japan Than in the United States Despite Similar SRS-22 Pain and Function Scores. Spine, 2020, 45, E1097-E1104.	2.0	4
100	Remnant Tumor Margin as Predictive Factor for Its Growth After Incomplete Resection of Cervical Dumbbell-Shaped Schwannomas. Neurospine, 2022, , .	2.9	4
101	Incidence and the risk factors of spinal deformity in adult patient after spinal cord injury: a single center cohort study. European Spine Journal, 2015, 24, 203-208.	2.2	3
102	Characterization of Patients with Poor Risk for Clinical Outcomes in Adult Symptomatic Lumbar Deformity Surgery. Spine, 2021, 46, 813-821.	2.0	3
103	Cervical intramedullary recurrent Ewing sarcoma after 10-year disease-free survival in an adult: a case report and review of literature. Spinal Cord Series and Cases, 2021, 7, 45.	0.6	3
104	Comparison of clinical effectiveness of fenestrated and conventional pedicle screws in patients undergoing spinal surgery: a systematic review and meta-analysis. Expert Review of Medical Devices, 2021, 18, 995-1022.	2.8	3
105	Risk predictors of perioperative complications for the palliative surgical treatment of spinal metastasis. Journal of Orthopaedic Science, 2021, 26, 1107-1112.	1.1	3
106	Surgical Correction of Severe Kyphoscoliosis Associated with Crouzon Syndrome with Serious Postoperative Respiratory Problems. JBJS Case Connector, 2017, 7, e98-e98.	0.3	2
107	Delayed Adjacent Level Spondylodiscitis after Initial Surgery with Instrumented Spinal Fusion: A Report of Three Cases and Review of the Literature. Case Reports in Orthopedics, 2018, 2018, 1-6.	0.3	2
108	A Rare Case of Proximal Junctional Failure with Delayed Infection after Adult Spinal Deformity Surgery: A Report of Two Cases. Case Reports in Orthopedics, 2020, 2020, 1-6.	0.3	2

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109	Residual lumbar curvature that developed during adolescence accelerates intervertebral disc degeneration in adulthood. Spine Deformity, 2021, 9, 711-720.	1.5	2
110	Gorham-Stout Disease Resulting in Spinal Deformity Treated by Fusion Surgery Combined With Everolimus Therapy. JBJS Case Connector, 2021, 11 , .	0.3	2
111	Does Selective Posterior Correction and Fusion Surgery Influence Cervical Sagittal Alignment in Patient with Lenke Type 5 Adolescent Idiopathic Scoliosis?—A 5-year Follow-up Retrospective Cohort Study. Spine, 2021, 46, E976-E984.	2.0	2
112	Baseline severity of myelopathy predicts neurological outcomes after posterior decompression surgery for cervical spondylotic myelopathy: a retrospective study. Spinal Cord, 2021, 59, 547-553.	1.9	2
113	Surgical resection of arteriovenous fistula at the cauda equina. Spinal Cord Series and Cases, 2021, 7, 29.	0.6	2
114	Chin on Chest Deformity Caused by Upper Cervical Kyphosis Associated With Ankylosing Spondylitis: A Case Report. Neurospine, 2020, 17, 666-671.	2.9	2
115	Introduction. Adult spinal deformity. Neurosurgical Focus, 2017, 43, E1.	2.3	1
116	Expert consensus on surgical treatment for adolescent idiopathic scoliosis in Japan. Journal of Orthopaedic Science, 2020, 26, 765-773.	1.1	1
117	Changes in Cervical Spinal Alignment After Thoracolumbar Corrective Surgery in Adult Patients With Adolescent Idiopathic Scoliosis. Spine, 2020, 45, 877-883.	2.0	1
118	Neurological Deterioration After Hemivertebrectomy for Congenital Thoracic Kyphoscoliosis with Myelopathy. JBJS Case Connector, 2021, 11 , .	0.3	1
119	Spontaneous Reduction of Chiari Malformation and Syringomyelia After Posterior Spinal Fusion for Scoliosis. JBJS Case Connector, 2021, 11, .	0.3	1
120	Posterior and Anterior Fusion for Severe Cervical Kyphosis in a Patient with Chondrodysplasia Punctata. JBJS Case Connector, 2021, 11 , .	0.3	1
121	Proximal Junctional Kyphosis and Proximal Junctional Failure in the Treatment for Adult Spinal Deformity: Definitions and Epidemiology. Techniques in Orthopaedics, 2021, 36, 2-6.	0.2	1
122	Incidence, Risk Factors and Clinical Outcome of Proximal Junctional Kyphosis for Patients with Adult Idiopathic Scoliosis: Minimum Five-Year Follow-Up. Spine Journal, 2011, 11, S20-S21.	1.3	0
123	Complications and Unfavorable Clinical Outcomes in Obese and Overweight Patients Treated for Adult Lumbar or Thoracolumbar Scoliosis with Combined Anterior/Posterior Surgery. Spine Journal, 2011, 11, S171-S172.	1.3	0
124	Reply to "Reoperation rate and risk factors of elective spinal surgery for degenerative spondylolisthesis: still more challenges lie aheadâ€. Spine Journal, 2016, 16, 271.	1.3	0
125	Acute Paraparesis Due to Protrusion of a Disc Following Lateral Interbody Fusion for Degenerative Kyphoscoliosis. JBJS Case Connector, 2019, 9, e8-e8.	0.3	0
126	106. Predictive probability of the global alignment and proportion score for the development of mechanical failure following adult spinal deformity surgery in Asian patients. Spine Journal, 2020, 20, S52-S53.	1.3	0

#	Article	lF	CITATIONS
127	To the Editor We thank Dr. Ahmed Ansari for his Knowledgeable Comments on our Study. Spine, 2020, 45, E1214.	2.0	O
128	P79. Prevalence and surgical outcomes of primary severe sagittal plane deformity (pSPD) in adult spinal deformity (ASD) surgery: comparison between Japan and the United States. Spine Journal, 2020, 20, S184-S185.	1.3	0
129	How Preoperative Motor Weakness Affects the Extent of Recovery After Elective Spine Surgery in Patients with Degenerative Lumbar Spinal Stenosis. Spine, 2021, 46, 1118-1127.	2.0	0
130	Clinical application of diffusion tensor tractography to postoperative C5 palsy. Spinal Cord Series and Cases, 2021, 7, 83.	0.6	0
131	Recurrence of cervical intramedullary gliofibroma. Spinal Cord Series and Cases, 2021, 7, 97.	0.6	0