

# Ryoma Aoyama

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7950556/publications.pdf>

Version: 2024-02-01

28  
papers

303  
citations

1163117

8  
h-index

888059

17  
g-index

28  
all docs

28  
docs citations

28  
times ranked

302  
citing authors

#	ARTICLE	IF	CITATIONS
1	New Techniques for Exposure of Posterior Cervical Spine Through Intermuscular Planes and Their Surgical Application. <i>Spine</i> , 2012, 37, E286-E296.	2.0	73
2	Muscle-Preserving Selective Laminectomy Maintained the Compensatory Mechanism of Cervical Lordosis After Surgery. <i>Spine</i> , 2018, 43, 542-549.	2.0	42
3	Cervical laminectomy of limited width prevents postoperative C5 palsy: a multivariate analysis of 263 muscle-preserving posterior decompression cases. <i>European Spine Journal</i> , 2017, 26, 2393-2403.	2.2	41
4	Spatiotemporal and anatomical analyses of P2X receptor-mediated neuronal and glial processing of sensory signals in the rat dorsal horn. <i>Pain</i> , 2011, 152, 2085-2097.	4.2	23
5	Optical mapping of pontine chemosensitive regions of neonatal rat. <i>Neuroscience Letters</i> , 2004, 366, 103-106.	2.1	14
6	Ischemia-induced disturbance of neuronal network function in the rat spinal cord analyzed by voltage-imaging. <i>Neuroscience</i> , 2006, 140, 1453-1465.	2.3	12
7	Extremely high preoperative C7 slope limits compensatory cervical lordosis after muscle-preserving selective laminectomy. <i>European Spine Journal</i> , 2018, 27, 2029-2037.	2.2	12
8	Structural and functional identification of two distinct inspiratory neuronal populations at the level of the phrenic nucleus in the rat cervical spinal cord. <i>Brain Structure and Function</i> , 2019, 224, 57-72.	2.3	11
9	K-line ( $\alpha^*$ ) in the neck-flexed position affects surgical outcomes in patients with ossification of the posterior longitudinal ligament after muscle-preserving selective laminectomy. <i>Journal of Orthopaedic Science</i> , 2020, 25, 770-775.	1.1	8
10	Anatomical Architecture and Responses to Acidosis of a Novel Respiratory Neuron Group in the High Cervical Spinal Cord (HCRG) of the Neonatal Rat. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 387-394.	1.6	8
11	Analysis of the impact of spinopelvic radiographic parameters on the severity of cervical spondylotic myelopathy. <i>Journal of Orthopaedic Science</i> , 2020, 25, 966-974.	1.1	7
12	Posterior spinal cord shift does not affect surgical outcomes after muscle-preserving selective laminectomy. <i>Journal of Clinical Neuroscience</i> , 2018, 50, 226-231.	1.5	6
13	Impact of Tobacco Smoking on Outcomes After Posterior Decompression Surgery in Patients With Cervical Spondylotic Myelopathy. <i>Clinical Spine Surgery</i> , 2020, 33, E493-E498.	1.3	6
14	Clinical Effects of Anterior Cervical Spondylolisthesis on Cervical Spondylotic Myelopathy After Posterior Decompression Surgery: A Retrospective Multicenter Study of 732 Cases. <i>Global Spine Journal</i> , 2022, 12, 820-828.	2.3	5
15	Does K-line ( $\alpha^*$ ) in the Neck-flexed Position Predict Surgical Outcome of Cervical Spondylotic Myelopathy?. <i>Spine</i> , 2020, 45, E1225-E1231.	2.0	5
16	The Utility of Augmented Reality in Spinal Decompression Surgery Using CT/MRI Fusion Image. <i>Cureus</i> , 2021, 13, e18187.	0.5	5
17	Methotrexate-associated lymphoproliferative disorder of the thoracic spine in a patient with rheumatoid arthritis receiving methotrexate: a case report. <i>Skeletal Radiology</i> , 2021, 50, 2117-2123.	2.0	4
18	Augmented Reality Device for Preoperative Marking of Spine Surgery Can Improve the Accuracy of Level Identification. <i>Spine Surgery and Related Research</i> , 2022, 6, 303-309.	0.7	4

#	ARTICLE	IF	CITATIONS
19	Upper cervical lordosis compensates lower cervical kyphosis to maintain whole cervical lordosis after selective laminectomy. <i>Journal of Clinical Neuroscience</i> , 2018, 58, 64-69.	1.5	3
20	Ossified Posterior Longitudinal Ligament Existing at an Intervertebral Level Limits Compensatory Mechanism of Cervical Lordosis after Muscle-Preserving Selective Laminectomy. <i>Spine Surgery and Related Research</i> , 2019, 3, 312-318.	0.7	3
21	Comparison between muscle-preserving selective laminectomy and laminoplasty for multilevel cervical spondylotic myelopathy. <i>Annals of Translational Medicine</i> , 2020, 8, 160-160.	1.7	3
22	Surgical Outcomes of Selective Laminectomy for Patients With Cervical Kyphosis: A Retrospective Study of 379 Cases. <i>Global Spine Journal</i> , 2023, 13, 1777-1786.	2.3	3
23	Narrow width of muscle-preserving selective laminectomy demonstrated sufficient surgical outcomes and reduced surgical invasiveness. <i>Journal of Clinical Neuroscience</i> , 2018, 52, 60-65.	1.5	2
24	Adjacent Segment Stenosis After Muscle-preserving Selective Laminectomy: A Retrospective Study of Patients with a Minimum 10-year Follow-up. <i>Spine Surgery and Related Research</i> , 2021, 6, 115-122.	0.7	1
25	Influence of Intervertebral Level of Stenosis on Neurological Recovery and Reduction of Neck Pain After Posterior Decompression Surgery for Cervical Spondylotic Myelopathy. <i>Spine</i> , 2021, Publish Ahead of Print, .	2.0	1
26	A Novel Technique of Mixed Reality Systems in the Treatment of Spinal Cord Tumors. <i>Cureus</i> , 2022, 14, e23096.	0.5	1
27	The Dural Tube Continues to Expand after Muscle-Preserving Cervical Laminectomy. <i>Spine Surgery and Related Research</i> , 2019, 3, 136-140.	0.7	0
28	Intracortical chondroma of the metacarpal bone: A case report. <i>World Journal of Clinical Cases</i> , 2021, 9, 3063-3069.	0.8	0