

Ahmet Alanay

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

3,746
citations

136950

32
h-index

133252

59
g-index

94
all docs

94
docs citations

94
times ranked

2290
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Alignment and Proportion (GAP) Score. Journal of Bone and Joint Surgery - Series A, 2017, 99, 1661-1672.	3.0	360
2	Impact on health related quality of life of adult spinal deformity (ASD) compared with other chronic conditions. European Spine Journal, 2015, 24, 3-11.	2.2	302
3	Short-Segment Pedicle Instrumentation of Thoracolumbar Burst Fractures. Spine, 2001, 26, 213-217.	2.0	268
4	Refinement of the SRS-22 Health-Related Quality of Life Questionnaire Function Domain. Spine, 2006, 31, 593-597.	2.0	202
5	Reliability and Validity of Adapted Turkish Version of Scoliosis Research Society-22 (SRS-22) Questionnaire. Spine, 2005, 30, 2464-2468.	2.0	138
6	An update on bone substitutes for spinal fusion. European Spine Journal, 2009, 18, 783-799.	2.2	122
7	Osteotomies/spinal column resections in adult deformity. European Spine Journal, 2013, 22, 254-264.	2.2	121
8	Implant Complications After Magnetically Controlled Growing Rods for Early Onset Scoliosis: A Multicenter Retrospective Review. Journal of Pediatric Orthopaedics, 2017, 37, e588-e592.	1.2	116
9	Reliability and Concurrent Validity of the Adapted Chinese Version of Scoliosis Research Society-22 (SRS-22) Questionnaire. Spine, 2007, 32, 1141-1145.	2.0	103
10	Posterior Vertebral Column Resection in Severe Spinal Deformities. Spine, 2011, 36, E340-E344.	2.0	99
11	Optimal surgical care for adolescent idiopathic scoliosis: an international consensus. European Spine Journal, 2014, 23, 2603-2618.	2.2	96
12	Unplanned Reoperations in Magnetically Controlled Growing Rod Surgery for Early Onset Scoliosis With a Minimum of Two-Year Follow-Up. Spine, 2017, 42, E1410-E1414.	2.0	82
13	Relative lumbar lordosis and lordosis distribution index: individualized pelvic incidence-based proportional parameters that quantify lumbar lordosis more precisely than the concept of pelvic incidence minus lumbar lordosis. Neurosurgical Focus, 2017, 43, E5.	2.3	76
14	Artificial Intelligence Based Hierarchical Clustering of Patient Types and Intervention Categories in Adult Spinal Deformity Surgery. Spine, 2019, 44, 915-926.	2.0	75
15	Are sagittal spinopelvic radiographic parameters significantly associated with quality of life of adult spinal deformity patients? Multivariate linear regression analyses for pre-operative and short-term post-operative health-related quality of life. European Spine Journal, 2017, 26, 2176-2186.	2.2	72
16	A decision analysis to identify the ideal treatment for adult spinal deformity: is surgery better than non-surgical treatment in improving health-related quality of life and decreasing the disease burden?. European Spine Journal, 2016, 25, 2390-2400.	2.2	65
17	Minimum 10 years follow-up surgical results of adolescent idiopathic scoliosis patients treated with TSRH instrumentation. European Spine Journal, 2007, 16, 381-391.	2.2	60
18	Advantages and Disadvantages of Adult Spinal Deformity Surgery and Its Impact on Health-Related Quality of Life. Spine, 2017, 42, 411-419.	2.0	59

#	ARTICLE	IF	CITATIONS
19	Restoring the ideal Roussouly sagittal profile in adult scoliosis surgery decreases the risk of mechanical complications. <i>European Spine Journal</i> , 2020, 29, 54-62.	2.2	56
20	Course of Nonsurgical Management of Burst Fractures with Intact Posterior Ligamentous Complex: An MRI Study. <i>Spine</i> , 2004, 29, 2425-2431.	2.0	54
21	Thoracoscopic Vertebral Body Tethering for Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2020, 45, E1483-E1492.	2.0	54
22	The evolution of sagittal segmental alignment of the spine during childhood. <i>Spine</i> , 2005, 30, 93-100.	2.0	52
23	Short-term X-ray Results of Posterior Vertebral Column Resection in Severe Congenital Kyphosis, Scoliosis, and Kyphoscoliosis. <i>Spine</i> , 2012, 37, 1054-1057.	2.0	49
24	The Effect of Pedicle Screw Placement With or Without Application of Compression Across the Neurocentral Cartilage on the Morphology of the Spinal Canal and Pedicle in Immature Pigs. <i>Spine</i> , 2005, 30, 1287-1293.	2.0	48
25	Vertebral Body Growth During Growing Rod Instrumentation. <i>Journal of Pediatric Orthopaedics</i> , 2012, 32, 184-189.	1.2	48
26	External validation of the adult spinal deformity (ASD) frailty index (ASD-FI). <i>European Spine Journal</i> , 2018, 27, 2331-2338.	2.2	47
27	Development and validation of risk stratification models for adult spinal deformity surgery. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 587-599.	1.7	41
28	Convex Growth Arrest in the Treatment of Congenital Spinal Deformities, Revisited. <i>Journal of Pediatric Orthopaedics</i> , 2004, 24, 658-666.	1.2	40
29	Development of predictive models for all individual questions of SRS-22R after adult spinal deformity surgery: a step toward individualized medicine. <i>European Spine Journal</i> , 2019, 28, 1998-2011.	2.2	37
30	Global tilt and lumbar lordosis index: two parameters correlating with health-related quality of life scores— but how do they truly impact disability?. <i>Spine Journal</i> , 2017, 17, 480-488.	1.3	36
31	Metal Ion Release During Growth-Friendly Instrumentation for Early-Onset Scoliosis: A Preliminary Study. <i>Spine Deformity</i> , 2018, 6, 48-53.	1.5	35
32	Safety and efficacy of osteotomies in adult spinal deformity: what happens in the first year?. <i>European Spine Journal</i> , 2016, 25, 2471-2479.	2.2	33
33	Sagittal radiographic parameters demonstrate weak correlations with pretreatment patient-reported health-related quality of life measures in symptomatic de novo degenerative lumbar scoliosis: a European multicenter analysis. <i>Journal of Neurosurgery: Spine</i> , 2018, 28, 573-580.	1.7	33
34	The impact of deep surgical site infection on surgical outcomes after posterior adult spinal deformity surgery: a matched control study. <i>European Spine Journal</i> , 2018, 27, 2518-2528.	2.2	32
35	Development of Deployable Predictive Models for Minimal Clinically Important Difference Achievement Across the Commonly Used Health-related Quality of Life Instruments in Adult Spinal Deformity Surgery. <i>Spine</i> , 2019, 44, 1144-1153.	2.0	31
36	Is it Necessary to Operate All Split Cord Malformations Before Corrective Surgery for Patients With Congenital Spinal Deformities?. <i>Spine</i> , 2009, 34, 2413-2418.	2.0	30

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37	The Adult Deformity Surgery Complexity Index (ADSCI): a valid tool to quantify the complexity of posterior adult spinal deformity surgery and predict postoperative complications. <i>Spine Journal</i> , 2018, 18, 216-225.	1.3	30
38	Impact of Adult Scoliosis on Roussouly Sagittal Shape Classification. <i>Spine</i> , 2019, 44, 270-279.	2.0	30
39	Posterior all-pedicle screw instrumentation combined with multiple chevron and concave rib osteotomies in the treatment of adolescent congenital kyphoscoliosis. <i>Spine Journal</i> , 2014, 14, 11-19.	1.3	25
40	Ideal sagittal profile restoration and ideal lumbar apex positioning play an important role in postoperative mechanical complications after a lumbar PSO. <i>Spine Deformity</i> , 2020, 8, 491-498.	1.5	24
41	Factors influencing patient satisfaction after adult scoliosis and spinal deformity surgery. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 408-417.	1.7	24
42	Convex Instrumented Hemiepiphysiodesis with Concave Distraction: A Preliminary Report. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 1144-1150.	1.5	23
43	Traction X-ray under general anesthesia helps to save motion segment in treatment of Lenke type 3C and 6C curves. <i>Spine Journal</i> , 2013, 13, 845-852.	1.3	22
44	Does vertebral body tethering cause disc and facet joint degeneration? A preliminary MRI study with minimum two years follow-up. <i>Spine Journal</i> , 2021, 21, 1793-1801.	1.3	22
45	An international consensus on the appropriate evaluation and treatment for adults with spinal deformity. <i>European Spine Journal</i> , 2018, 27, 585-596.	2.2	20
46	Sagittal malalignment has a significant association with postoperative leg pain in adult spinal deformity patients. <i>European Spine Journal</i> , 2016, 25, 2442-2451.	2.2	18
47	Impact of early unanticipated revision surgery on health-related quality of life after adult spinal deformity surgery. <i>Spine Journal</i> , 2018, 18, 926-934.	1.3	18
48	Function and Clinical Symptoms are the Main Factors that Motivate Thoracolumbar Adult Scoliosis Patients to Pursue Surgery. <i>Spine</i> , 2017, 42, E31-E36.	2.0	14
49	Decision analysis to identify the ideal treatment for adult spinal deformity: What is the impact of complications on treatment outcomes?. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2017, 51, 181-190.	0.8	14
50	Convex Growth Arrest in the Treatment of Congenital Spinal Deformities, Revisited. <i>Journal of Pediatric Orthopaedics</i> , 2004, 24, 658-666.	1.2	13
51	Analysis of factors affecting baseline SF-36 Mental Component Summary in Adult Spinal Deformity and its impact on surgical outcomes. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2018, 52, 179-184.	0.8	13
52	Adult spinal deformity surgical decision-making score. Part 2: development and validation of a scoring system to guide the selection of treatment modalities for patients above 40 years with adult spinal deformity. <i>European Spine Journal</i> , 2020, 29, 45-53.	2.2	13
53	Lack of improvement in health-related quality of life (HRQOL) scores 6 months after surgery for adult spinal deformity (ASD) predicts high revision rate in the second postoperative year. <i>European Spine Journal</i> , 2017, 26, 2160-2166.	2.2	12
54	Relative pelvic version: an individualized pelvic incidence-based proportional parameter that quantifies pelvic version more precisely than pelvic tilt. <i>Spine Journal</i> , 2018, 18, 1787-1797.	1.3	12

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55	Adult spinal deformity surgical decision-making score. <i>European Spine Journal</i> , 2019, 28, 1652-1660.	2.2	12
56	Purely extradural spinal nerve root hemangioblastomas. <i>Journal of Craniovertebral Junction and Spine</i> , 2016, 7, 197.	0.8	12
57	Osteotomies/spinal column resection in paediatric deformity. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2014, 24, 59-68.	1.4	11
58	Convex Instrumented Hemiepiphysiodesis With Concave Distraction. <i>Journal of Pediatric Orthopaedics</i> , 2016, 36, 226-231.	1.2	11
59	Quality metrics in adult spinal deformity surgery over the last decade: a combined analysis of the largest prospective multicenter data sets. <i>Journal of Neurosurgery: Spine</i> , 2021, , 1-9.	1.7	11
60	Team Approach: Contemporary Treatment of Congenital Scoliosis. <i>JBJS Reviews</i> , 2019, 7, e5-e5.	2.0	10
61	Evaluation of global alignment and proportion score in an independent database. <i>Spine Journal</i> , 2021, 21, 1549-1558.	1.3	10
62	Adult Spinal Deformity Over 70 Years of Age: A 2-Year Follow-Up Study. <i>International Journal of Spine Surgery</i> , 2019, 13, 336-344.	1.5	10
63	Convex Hemiepiphysiodesis: Posterior/anterior in-situ Versus Posterior-only With Pedicle Screw Instrumentation: An Experimental Simulation in Immature Pigs. <i>Journal of Pediatric Orthopaedics</i> , 2016, 36, 847-852.	1.2	9
64	Intraoperative neuromonitoring practice patterns in spinal deformity surgery: a global survey of the Scoliosis Research Society. <i>Spine Deformity</i> , 2021, 9, 315-325.	1.5	9
65	The Influence of Diagnosis, Age, and Gender on Surgical Outcomes in Patients With Adult Spinal Deformity. <i>Global Spine Journal</i> , 2018, 8, 803-809.	2.3	8
66	Impact of resolved early major complications on 2-year follow-up outcome following adult spinal deformity surgery. <i>European Spine Journal</i> , 2019, 28, 2208-2215.	2.2	8
67	The Scoliosis Research Society adult spinal deformity standard outcome set. <i>Spine Deformity</i> , 2021, 9, 1211-1221.	1.5	8
68	Prediction of satisfaction after correction surgery for adult spinal deformity: differences between younger and older patients. <i>European Spine Journal</i> , 2020, 29, 3051-3062.	2.2	7
69	Effect of lumbar pedicle subtraction osteotomy level on lordosis distribution and shape. <i>European Spine Journal</i> , 2020, 29, 1388-1396.	2.2	7
70	Stratifying outcome based on the Oswestry Disability Index for operative treatment of adult spinal deformity on patients 60 years of age or older: a multicenter, multi-continental study on Prospective Evaluation of Elderly Deformity Surgery (PEEDS). <i>Spine Journal</i> , 2021, 21, 1775-1783.	1.3	7
71	Obeid-Coronal Malalignment Classification Is Age Related and Independently Associated to Personal Reported Outcome Measurement Scores in the Nonfused Spine. <i>Neurospine</i> , 2021, 18, 475-480.	2.9	7
72	Letters. <i>Spine</i> , 2001, 26, 840.	2.0	7

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73	Opioids and analgesics use after adult spinal deformity surgery correlates with sagittal alignment and preoperative analgesic pattern. <i>European Spine Journal</i> , 2020, 29, 73-84.	2.2	6
74	The Efficacy of Convex Hemiepiphysiodesis in Patients With Iatrogenic Posterior Element Deficiency Resulting from Diastematomyelia Excision. <i>Spine</i> , 2003, 28, 799-805.	2.0	5
75	Untreated Thoracic Curve in Adult Idiopathic Scoliosis: What Are Patients' Concerns?. <i>Spine Deformity</i> , 2016, 4, 439-445.	1.5	5
76	Radiographic Axial Malalignment is Associated With Pretreatment Patient-Reported Health-Related Quality of Life Measures in Adult Degenerative Scoliosis: Implementation of a Novel Radiographic Software Tool. <i>Spine Deformity</i> , 2018, 6, 745-752.	1.5	5
77	Compensatory mechanisms recruited against proximal junctional kyphosis by patients instrumented from the thoracolumbar junction to the iliac. <i>European Spine Journal</i> , 2022, 31, 112-122.	2.2	5
78	Osteotomies for the Treatment of Adult Spinal Deformities. <i>JBJS Reviews</i> , 2022, 10, .	2.0	5
79	Mental health status and sagittal spinopelvic alignment correlate with self-image in patients with adult spinal deformity before and after corrective surgery. <i>European Spine Journal</i> , 2020, 29, 63-72.	2.2	3
80	The dynamics of satisfaction in surgical and non-surgical adult spinal deformity patients. <i>European Spine Journal</i> , 2021, 30, 1235-1246.	2.2	3
81	The Effect of Discharging Patients with Low Hemoglobin Levels on Hospital Readmission and Quality of Life after Adult Spinal Deformity Surgery. <i>Asian Spine Journal</i> , 2022, 16, 261-269.	2.0	3
82	Surgeons' risk perception in ASD surgery: The value of objective risk assessment on decision making and patient counselling. <i>European Spine Journal</i> , 2022, 31, 1174-1183.	2.2	3
83	Combined anterior-posterior versus all-posterior approaches for adult spinal deformity correction: a matched control study. <i>European Spine Journal</i> , 2022, 31, 1754-1764.	2.2	3
84	Letters. <i>Spine</i> , 2009, 34, 2473.	2.0	2
85	The effect of increasing body mass index on the pain and function of patients with adult spinal deformity. <i>Journal of Spine Surgery</i> , 2019, 5, 535-540.	1.2	2
86	How frequent should the radiographic examination be to monitor magnetically controlled growing rods? A retrospective look two to seven years postoperatively. <i>European Spine Journal</i> , 2021, 30, 1912-1919.	2.2	2
87	The Transverse Process Trajectory Technique: An Alternative for Thoracic Pedicle Screw Implantation-Radiographic and Biomechanical Analysis. <i>International Journal of Spine Surgery</i> , 2021, 15, 315-323.	1.5	2
88	Inter- and intra-rater reliability and accuracy of Sanders Skeletal Maturity Staging System when used by surgeons performing vertebral body tethering. <i>Spine Deformity</i> , 2022, 10, 97-106.	1.5	2
89	AO Spine Adult Spinal Deformity Patient Profile: A Paradigm Shift in Comprehensive Patient Evaluation in Order to Optimize Treatment and Improve Patient Care. <i>Global Spine Journal</i> , 2023, 13, 1490-1501.	2.3	2
90	Adult Congenital Spine Deformity: Clinical Features and Motivations for Surgical Treatment. <i>International Journal of Spine Surgery</i> , 2021, 15, 1238-1245.	1.5	2

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91	Authors'™ reply to the Letters to the Editor of T. Smoljanovic et al. concerning "An update on bone substitutes for spinal fusion"; Eur Spine J (2009) 18:783-799 by M. Miyazaki et al.. European Spine Journal, 2010, 19, 1389-1391.	2.2	1
92	Introduction. Adult spinal deformity. Neurosurgical Focus, 2017, 43, E1.	2.3	1
93	Clinical Performance and Concurrent Validity of the Adult Spinal Deformity Surgical Decision-making Score. Spine, 2020, 45, E847-E855.	2.0	1
94	Expert's™ comment concerning Grand Rounds case entitled "A case of severe and rigid congenital thoracolumbar lordoscoliosis with diastematomyelia presenting with type 2 respiratory failure: managed by staged correction with controlled axial traction" by V. Kanagaraju et al. (Eur Spine J); Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.2	0