

Emre Acaroglu

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

3,863
citations

136950

32
h-index

144013

57
g-index

126
all docs

126
docs citations

126
times ranked

2572
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	Constructs Incorporating Intralaminar C2 Screws Provide Rigid Stability for Atlantoaxial Fixation. Spine, 2005, 30, 1513-1518.	2.0	160
5	Sacropelvic fixation in adult spinal deformity (ASD); a very high rate of mechanical failure. European Spine Journal, 2015, 24, 1085-1091.	2.2	108
6	Anterior radical debridement and anterior instrumentation in tuberculosis spondylitis. European Spine Journal, 2003, 12, 224-234.	2.2	105
7	Global tilt: a single parameter incorporating spinal and pelvic sagittal parameters and least affected by patient positioning. European Spine Journal, 2016, 25, 3644-3649.	2.2	105
8	Biomechanical Comparison of Posterior Lumbar Interbody Fusion and Transforaminal Lumbar Interbody Fusion Performed at 1 and 2 Levels. Spine, 2005, 30, E562-E566.	2.0	90
9	Title is missing!. Journal of Pediatric Orthopaedics, 2001, 21, 252-256.	1.2	83
10	Artificial Intelligence Based Hierarchical Clustering of Patient Types and Intervention Categories in Adult Spinal Deformity Surgery. Spine, 2019, 44, 915-926.	2.0	75
11	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
12	Anterior Instrumentation in Tuberculous Spondylitis. Clinical Orthopaedics and Related Research, 2007, 460, 108-116.	1.5	70
13	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
14	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
15	Atlantoaxial Rotatory Fixationâ€“Subluxation Revisited. Spine, 2002, 27, 2771-2775.	2.0	58
16	The effect of transpedicular intracorporeal grafting in the treatment of thoracolumbar burst fractures on canal remodeling. European Spine Journal, 2001, 10, 512-516.	2.2	57
17	Course of Nonsurgical Management of Burst Fractures with Intact Posterior Ligamentous Complex: An MRI Study. Spine, 2004, 29, 2425-2431.	2.0	54
18	Safety and Efficacy of Posterior Instrumentation for Patients With Congenital Scoliosis and Spinal Dysraphism. Journal of Pediatric Orthopaedics, 2007, 27, 380-386.	1.2	53

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19	The Global Spine Care Initiative: model of care and implementation. <i>European Spine Journal</i> , 2018, 27, 925-945.	2.2	52
20	Minimum clinically important difference of the health-related quality of life scales in adult spinal deformity calculated by latent class analysis: is it appropriate to use the same values for surgical and nonsurgical patients?. <i>Spine Journal</i> , 2019, 19, 71-78.	1.3	52
21	The Core Outcome Measures Index (COMI) is a responsive instrument for assessing the outcome of treatment for adult spinal deformity. <i>European Spine Journal</i> , 2016, 25, 2638-2648.	2.2	44
22	Comparison of the Melatonin and Calmodulin in Paravertebral Muscle and Platelets of Patients With or Without Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2009, 34, E659-E663.	2.0	43
23	Effects of Deamino-8-D-Arginin Vasopressin on Blood Loss and Coagulation Factors in Scoliosis Surgery. <i>Spine</i> , 1999, 24, 877-882.	2.0	41
24	The Global Spine Care Initiative: care pathway for people with spine-related concerns. <i>European Spine Journal</i> , 2018, 27, 901-914.	2.2	41
25	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
26	Convex Growth Arrest in the Treatment of Congenital Spinal Deformities, Revisited. <i>Journal of Pediatric Orthopaedics</i> , 2004, 24, 658-666.	1.2	40
27	Multiple Regression Analysis of Factors Affecting Health-Related Quality of Life in Adult Spinal Deformity. <i>Spine Deformity</i> , 2015, 3, 360-366.	1.5	39
28	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
29	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
30	The Global Spine Care Initiative: World Spine Care executive summary on reducing spine-related disability in low- and middle-income communities. <i>European Spine Journal</i> , 2018, 27, 776-785.	2.2	36
31	Pedicle Screw Fixation of the Thoracic Spine: An In Vitro Biomechanical Study on Different Configurations. <i>Spine</i> , 2005, 30, 2530-2537.	2.0	34
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	A Biomechanical Assessment of Thoracic Spine Stapling. <i>Spine</i> , 2007, 32, 766-771.	2.0	31
35	The Reliability of Sagittal Pelvic Parameters. <i>Spine</i> , 2015, 40, E253-E258.	2.0	31
36	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

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37	The effect of calmodulin antagonists on scoliosis: bipedal C57BL/6 mice model. <i>European Spine Journal</i> , 2009, 18, 499-505.	2.2	30
38	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
39	The Global Spine Care Initiative: classification system for spine-related concerns. <i>European Spine Journal</i> , 2018, 27, 889-900.	2.2	30
40	Creating a sustainable model of spine care in underserved communities: the World Spine Care (WSC) charity. <i>Spine Journal</i> , 2015, 15, 2303-2311.	1.3	29
41	Decision-making factors in the treatment of adult spinal deformity. <i>European Spine Journal</i> , 2018, 27, 2312-2321.	2.2	28
42	Simultaneous anterior and posterior approaches for correction of late deformity due to thoracolumbar fractures. <i>European Spine Journal</i> , 1996, 5, 56-62.	2.2	26
43	Enoxaparin and heparin comparison of deep vein thrombosis prophylaxis in total hip replacement patients. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2006, 126, 1-5.	2.4	26
44	The Effect of Calmodulin Antagonists on Experimental Scoliosis. <i>Spine</i> , 2009, 34, 533-538.	2.0	26
45	The Global Spine Care Initiative: a systematic review for the assessment of spine-related complaints in populations with limited resources and in low- and middle-income communities. <i>European Spine Journal</i> , 2018, 27, 816-827.	2.2	26
46	The Effect of Pedicle Expansion on Pedicle Morphology and Biomechanical Stability in the Immature Porcine Spine. <i>Spine</i> , 2006, 31, E826-E829.	2.0	25
47	The Effect of Posterior Distraction on Vertebral Growth in Immature Pigs. <i>Spine</i> , 2010, 35, 730-733.	2.0	24
48	Factors influencing patient satisfaction after adult scoliosis and spinal deformity surgery. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 408-417.	1.7	24
49	Three-dimensional evolution of scoliotic curve during instrumentation without fusion in young children. <i>Journal of Pediatric Orthopaedics</i> , 2002, 22, 492-6.	1.2	24
50	Atlantoaxial rotatory fixation-subluxation revisited: a computed tomographic analysis of acute torticollis in pediatric patients. <i>Spine</i> , 2002, 27, 2771-5.	2.0	23
51	The Global Spine Care Initiative: methodology, contributors, and disclosures. <i>European Spine Journal</i> , 2018, 27, 786-795.	2.2	22
52	The Global Spine Care Initiative: a summary of guidelines on invasive interventions for the management of persistent and disabling spinal pain in low- and middle-income communities. <i>European Spine Journal</i> , 2018, 27, 870-878.	2.2	21
53	Ultrastructural Analysis of Metallic Debris and Tissue Reaction Around Spinal Implants in Patients With Late Operative Site Pain. <i>Spine</i> , 2004, 29, 1618-1623.	2.0	20
54	Late Spinal Cord Compression Caused by Pulled-out Thoracic Pedicle Screws: A Case Report. <i>Spine</i> , 2003, 28, E506-E510.	2.0	19

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55	Long-Term Results of Reconstruction with Pelvic Allografts after Wide Resection of Pelvic Sarcomas. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	19
56	Radiographic measurement of the sagittal plane deformity in patients with osteoporotic spinal fractures evaluation of intrinsic error. European Spine Journal, 2007, 16, 2126-2132.	2.2	18
57	Sagittal malalignment has a significant association with postoperative leg pain in adult spinal deformity patients. European Spine Journal, 2016, 25, 2442-2451.	2.2	18
58	The metabolic basis of adolescent idiopathic scoliosis: 2011 report of the "metabolic" workgroup of the Fondation Yves Cotrel. European Spine Journal, 2012, 21, 1033-1042.	2.2	17
59	Sagittal alignment of cervical spine in adult idiopathic scoliosis. European Spine Journal, 2015, 24, 1175-1182.	2.2	17
60	Title is missing!. Journal of Pediatric Orthopaedics, 2002, 22, 763-765.	1.2	15
61	Safety and Efficacy of Instrumented Convex Growth Arrest in Treatment of Congenital Scoliosis. Journal of Pediatric Orthopaedics, 2014, 34, 275-281.	1.2	15
62	Traumatic L1-L2 Dislocation Without Fracture in a 6-Year-Old Girl. Spine, 1999, 24, 1483.	2.0	14
63	Function and Clinical Symptoms are the Main Factors that Motivate Thoracolumbar Adult Scoliosis Patients to Pursue Surgery. Spine, 2017, 42, E31-E36.	2.0	14
64	Decision analysis to identify the ideal treatment for adult spinal deformity: What is the impact of complications on treatment outcomes?. Acta Orthopaedica Et Traumatologica Turcica, 2017, 51, 181-190.	0.8	14
65	Role of surgeon handedness in transpedicular screw insertion. Acta Orthopaedica Et Traumatologica Turcica, 2014, 48, 479-482.	0.8	14
66	Unilateral Enucleation Affects the Laterality but Not the Incidence of Scoliosis in Pinealectomized Chicken. Spine, 2006, 31, 133-138.	2.0	13
67	Decision-making in the treatment of adult spinal deformity. EFORT Open Reviews, 2016, 1, 167-176.	4.1	13
68	Global Forum: Spine Research and Training in Underserved, Low and Middle-Income, Culturally Unique Communities: The World Spine Care Charity Research Program's Challenges and Facilitators. Journal of Bone and Joint Surgery - Series A, 2016, 98, e110.	3.0	13
69	Analysis of factors affecting baseline SF-36 Mental Component Summary in Adult Spinal Deformity and its impact on surgical outcomes. Acta Orthopaedica Et Traumatologica Turcica, 2018, 52, 179-184.	0.8	13
70	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. European Spine Journal, 2020, 29, 45-53.	2.2	13
71	Is decreased bone mineral density associated with development of scoliosis? A bipedal osteopenic rat model. Scoliosis, 2011, 6, 24.	0.4	12
72	Selective estrogen receptor modulation prevents scoliotic curve progression: radiologic and histomorphometric study on a bipedal C57Bl6 mice model. European Spine Journal, 2014, 23, 455-462.	2.2	12

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73	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
74	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
75	NRS20: Combined Back and Leg Pain Score. <i>Spine</i> , 2018, 43, 1184-1192.	2.0	12
76	Adult spinal deformity surgical decision-making score. <i>European Spine Journal</i> , 2019, 28, 1652-1660.	2.2	12
77	Cryo-Compression Therapy After Elective Spinal Surgery for Pain Management: A Cross-Sectional Study With Historical Control. <i>Neurospine</i> , 2018, 15, 348-352.	2.9	12
78	Does the Application of Topical Intrawound Vancomycin Powder Affect Deep Surgical Site Infection and the Responsible Organisms after Spinal Surgery?: A Retrospective Case Series with a Historical Control Group. <i>Asian Spine Journal</i> , 2020, 14, 72-78.	2.0	12
79	Analysis of the reliability of surgeons' ability to differentiate between idiopathic and degenerative spinal deformity in adults radiologically. What descriptive parameters help them decide?. <i>European Spine Journal</i> , 2016, 25, 2401-2407.	2.2	11
80	The Global Spine Care Initiative: resources to implement a spine care program. <i>European Spine Journal</i> , 2018, 27, 915-924.	2.2	11
81	A Study of Adenosine Treatment in Experimental Acute Spinal Cord Injury. <i>Spine</i> , 1999, 24, 128-132.	2.0	10
82	Diverse approaches to scoliosis in young children. <i>EFORT Open Reviews</i> , 2020, 5, 753-762.	4.1	10
83	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
84	Reliability and necessity of dynamic computerized tomography in diagnosis of atlantoaxial rotatory subluxation. <i>Journal of Pediatric Orthopaedics</i> , 2002, 22, 763-5.	1.2	10
85	Does Transverse Apex Coincide With Coronal Apex Levels (Regional or Global) in Adolescent Idiopathic Scoliosis?. <i>Spine</i> , 2001, 26, 1143-1146.	2.0	9
86	Title is missing!. <i>Journal of Pediatric Orthopaedics</i> , 2002, 22, 492-496.	1.2	9
87	The Effect of Anterior Spinal Fusion on Spinal Canal Development in an Immature Porcine Model. <i>Spine</i> , 2009, 34, E501-E506.	2.0	9
88	The Global Spine Care Initiative: a consensus process to develop and validate a stratification scheme for surgical care of spinal disorders as a guide for improved resource utilization in low- and middle-income communities. <i>European Spine Journal</i> , 2018, 27, 879-888.	2.2	8
89	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
90	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

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91	Reliability and validity of the cross-culturally adapted Turkish version of the Core Outcome Measures Index for low back pain. <i>European Spine Journal</i> , 2018, 27, 93-100.	2.2	7
92	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
93	Blended Learning Is a Feasible and Effective Tool for Basic Pediatric Spinal Deformity Training. <i>Global Spine Journal</i> , 2021, 11, 219-223.	2.3	7
94	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
95	Letters. <i>Spine</i> , 2001, 26, 840.	2.0	7
96	Restoration of pull-out strength of the failed pedicle screw: biomechanical comparison of calcium sulfate vs polymethylmethacrylate augmentation. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2014, 48, 202-206.	0.8	7
97	Evaluation of Blended Online Learning in Three Spinal Surgery Educational Courses. <i>Journal of European CME</i> , 2022, 11, 2014042.	1.6	7
98	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
99	Variation of Minimum Clinically Important Difference by Age, Gender, Baseline Disability, and Change of Direction in Adult Spinal Deformity Population: Is It a Constant Value?. <i>World Neurosurgery</i> , 2021, 146, e1171-e1176.	1.3	6
100	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
101	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
102	Four-Level Noncontiguous Fracture of the Vertebral Column: A Case Report. <i>Journal of Orthopaedic Trauma</i> , 2001, 15, 294-299.	1.4	5
103	The Use of Suture Anchors for Sternal Nonunion as a New Technical Approach (Demircin-Dogan) Tj ETQq1 1 0.784314 rgBT /Overlock 0,5		5
104	Transverse sacral fractures and concomitant late-diagnosed cauda equina syndrome. <i>Ulusal Travma Ve Acil Cerrahi Dergisi</i> , 2014, 20, 71-74.	0.3	5
105	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
106	Title is missing!. <i>Spine</i> , 2003, 28, 799-805.	2.0	3
107	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
108	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

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109	Aneurysmal bone cyst-like areas as a sign of metastatic disease in the spinal column. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2013, 47, 366-369.	0.8	3
110	Can Right-Handed Surgeons Insert Upper Thoracic Pedicle Screws in much Comfortable Position? Right-Handedness Problem on the Left Side. <i>Journal of Korean Neurosurgical Society</i> , 2018, 61, 568-673.	1.2	3
111	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
112	BAKKER CLASSIFICATION IN TREATMENT OF SACRAL STRESS FRACTURES: A SINGLE CENTER EXPERIENCE. <i>Journal of Turkish Spinal Surgery</i> , 2020, 31, 80-84.	0.1	2
113	Contributing factors affecting the prognosis of surgical outcome for thoracic OLF (S.-U. Kuh et al.). <i>European Spine Journal</i> , 2006, 15, 492-492.	2.2	1
114	Assessment of variability in Turkish spine surgeons' trauma practices. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2018, 52, 1-6.	0.8	1
115	Anterior Spinal Artery Syndrome: Rare Precedented Reason of Postoperative Plegia After Spinal Deformity Surgery: Report of 2 Cases. <i>World Neurosurgery</i> , 2020, 141, 203-209.	1.3	1
116	Clinical Performance and Concurrent Validity of the Adult Spinal Deformity Surgical Decision-making Score. <i>Spine</i> , 2020, 45, E847-E855.	2.0	1
117	Can we diagnose disk and facet degeneration in lumbar spine by acoustic analysis of spine sounds?. <i>Signal, Image and Video Processing</i> , 2021, 15, 557-562.	2.7	1
118	Core curriculum (CC) of spinal surgery: a step forward in defining our profession. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2014, 48, 475-478.	0.8	1
119	DISTAL MIGRATION OF THE RODS OF A CONSTRAINED POLYAXIAL PEDICLE SCREW SYSTEM. <i>Journal of Turkish Spinal Surgery</i> , 2020, 31, 51-54.	0.1	1
120	A migrated knitting needle in a paediatric spine: case report. <i>Child's Nervous System</i> , 2016, 32, 391-394.	1.1	0
121	Decision Analysis in Quest of the Ideal Treatment in Adult Spinal Deformity Adjusted for Minimum Clinically Important Difference. <i>World Neurosurgery</i> , 2020, 142, e278-e289.	1.3	0
122	THE ONE STEP FORWARD LATERAL SPINAL X-RAY: MEASUREMENT OF SAGITTAL AND SPINOPELVIC PARAMETERS IN A FUNCTIONAL POSITION. <i>Journal of Turkish Spinal Surgery</i> , 2019, 30, 266-269.	0.1	0
123	THE RADIOLOGICAL ANALYSIS OF THE EFFECTS OF RALOXIFENE, NITRIC-OXIDE AND ESTROGEN ON SCOLIOSIS: A BIPEDAL C57BL6 MICE MODEL. <i>Journal of Turkish Spinal Surgery</i> , 2020, 31, 201-206.	0.1	0
124	Monitoring and reporting gaps in spine surgery education through an international needs assessment survey. <i>MedEdPublish</i> , 0, 12, 22.	0.3	0