

Virginie Lafage

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

592
papers

18,803
citations

68
h-index

119
g-index

634
ext. papers

22,569
ext. citations

2.6
avg, IF

6.5
L-index

#	Paper	IF	Citations
592	Pelvic tilt and truncal inclination: two key radiographic parameters in the setting of adults with spinal deformity. <i>Spine</i> , 2009 , 34, E599-606	3.3	758
591	Scoliosis Research Society-Schwab adult spinal deformity classification: a validation study. <i>Spine</i> , 2012 , 37, 1077-82	3.3	709
590	Adult spinal deformity-postoperative standing imbalance: how much can you tolerate? An overview of key parameters in assessing alignment and planning corrective surgery. <i>Spine</i> , 2010 , 35, 2224-31	3.3	692
589	Radiographical spinopelvic parameters and disability in the setting of adult spinal deformity: a prospective multicenter analysis. <i>Spine</i> , 2013 , 38, E803-12	3.3	584
588	Sagittal plane considerations and the pelvis in the adult patient. <i>Spine</i> , 2009 , 34, 1828-33	3.3	505
587	Cervical spine alignment, sagittal deformity, and clinical implications: a review. <i>Journal of Neurosurgery: Spine</i> , 2013 , 19, 141-59	2.8	408
586	Cervical radiographical alignment: comprehensive assessment techniques and potential importance in cervical myelopathy. <i>Spine</i> , 2013 , 38, S149-60	3.3	330
585	The impact of standing regional cervical sagittal alignment on outcomes in posterior cervical fusion surgery. <i>Neurosurgery</i> , 2012 , 71, 662-9; discussion 669	3.2	328
584	Gravity line analysis in adult volunteers: age-related correlation with spinal parameters, pelvic parameters, and foot position. <i>Spine</i> , 2006 , 31, E959-67	3.3	323
583	Standing balance and sagittal plane spinal deformity: analysis of spinopelvic and gravity line parameters. <i>Spine</i> , 2008 , 33, 1572-8	3.3	290
582	The SRS-Schwab adult spinal deformity classification: assessment and clinical correlations based on a prospective operative and nonoperative cohort. <i>Neurosurgery</i> , 2013 , 73, 559-68	3.2	258
581	The T1 pelvic angle, a novel radiographic measure of global sagittal deformity, accounts for both spinal inclination and pelvic tilt and correlates with health-related quality of life. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014 , 96, 1631-40	5.6	244
580	Impact of spinopelvic alignment on decision making in deformity surgery in adults: A review. <i>Journal of Neurosurgery: Spine</i> , 2012 , 16, 547-64	2.8	221
579	Defining Spino-Pelvic Alignment Thresholds: Should Operative Goals in Adult Spinal Deformity Surgery Account for Age?. <i>Spine</i> , 2016 , 41, 62-8	3.3	216
578	Prospective multicenter assessment of perioperative and minimum 2-year postoperative complication rates associated with adult spinal deformity surgery. <i>Journal of Neurosurgery: Spine</i> , 2016 , 25, 1-14	2.8	214
577	Change in classification grade by the SRS-Schwab Adult Spinal Deformity Classification predicts impact on health-related quality of life measures: prospective analysis of operative and nonoperative treatment. <i>Spine</i> , 2013 , 38, 1663-71	3.3	209
576	The comprehensive anatomical spinal osteotomy classification. <i>Neurosurgery</i> , 2014 , 74, 112-20; discussion 120	3.2	202

575	Risk factors for major peri-operative complications in adult spinal deformity surgery: a multi-center review of 953 consecutive patients. <i>European Spine Journal</i> , 2012 , 21, 2603-10	2.7	171
574	Reliability assessment of a novel cervical spine deformity classification system. <i>Journal of Neurosurgery: Spine</i> , 2015 , 23, 673-83	2.8	166
573	Assessment of symptomatic rod fracture after posterior instrumented fusion for adult spinal deformity. <i>Neurosurgery</i> , 2012 , 71, 862-7	3.2	164
572	Efficacy of tranexamic acid on surgical bleeding in spine surgery: a meta-analysis. <i>Spine Journal</i> , 2015 , 15, 752-61	4	150
571	Prospective multicenter assessment of risk factors for rod fracture following surgery for adult spinal deformity. <i>Journal of Neurosurgery: Spine</i> , 2014 , 21, 994-1003	2.8	150
570	Spinal cord injury models: a review. <i>Spinal Cord</i> , 2014 , 52, 588-95	2.7	147
569	Outcomes of Operative and Nonoperative Treatment for Adult Spinal Deformity: A Prospective, Multicenter, Propensity-Matched Cohort Assessment With Minimum 2-Year Follow-up. <i>Neurosurgery</i> , 2016 , 78, 851-61	3.2	146
568	Spino-pelvic parameters after surgery can be predicted: a preliminary formula and validation of standing alignment. <i>Spine</i> , 2011 , 36, 1037-45	3.3	137
567	The impact of standing regional cervical sagittal alignment on outcomes in posterior cervical fusion surgery. <i>Neurosurgery</i> , 2015 , 76 Suppl 1, S14-21; discussion S21	3.2	136
566	The Health Impact of Symptomatic Adult Spinal Deformity: Comparison of Deformity Types to United States Population Norms and Chronic Diseases. <i>Spine</i> , 2016 , 41, 224-33	3.3	131
565	Medical Complications After Adult Spinal Deformity Surgery: Incidence, Risk Factors, and Clinical Impact. <i>Spine</i> , 2016 , 41, 1718-1723	3.3	129
564	Recruitment of compensatory mechanisms in sagittal spinal malalignment is age and regional deformity dependent: a full-standing axis analysis of key radiographical parameters. <i>Spine</i> , 2015 , 40, 642-9	3.3	124
563	Validation of a new computer-assisted tool to measure spino-pelvic parameters. <i>Spine Journal</i> , 2015 , 15, 2493-502	4	123
562	Association of myelopathy scores with cervical sagittal balance and normalized spinal cord volume: analysis of 56 preoperative cases from the AOSpine North America Myelopathy study. <i>Spine</i> , 2013 , 38, S161-70	3.3	122
561	Spontaneous improvement of cervical alignment after correction of global sagittal balance following pedicle subtraction osteotomy. <i>Journal of Neurosurgery: Spine</i> , 2012 , 17, 300-7	2.8	121
560	Acetabular Anteversion Changes Due to Spinal Deformity Correction: Bridging the Gap Between Hip and Spine Surgeons. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015 , 97, 1913-20	5.6	120
559	Impact of magnitude and percentage of global sagittal plane correction on health-related quality of life at 2-years follow-up. <i>Neurosurgery</i> , 2012 , 71, 341-8; discussion 348	3.2	117
558	Predicting outcome and complications in the surgical treatment of adult scoliosis. <i>Spine</i> , 2008 , 33, 2243-3.3	3.3	117

557	Changes in thoracic kyphosis negatively impact sagittal alignment after lumbar pedicle subtraction osteotomy: a comprehensive radiographic analysis. <i>Spine</i> , 2012 , 37, E180-7	3.3	113
556	Age-Adjusted Alignment Goals Have the Potential to Reduce PJK. <i>Spine</i> , 2017 , 42, 1275-1282	3.3	107
555	Adult Spinal Deformity: Epidemiology, Health Impact, Evaluation, and Management. <i>Spine Deformity</i> , 2016 , 4, 310-322	2	105
554	How the neck affects the back: changes in regional cervical sagittal alignment correlate to HRQOL improvement in adult thoracolumbar deformity patients at 2-year follow-up. <i>Journal of Neurosurgery: Spine</i> , 2015 , 23, 153-8	2.8	100
553	Sagittal alignment of the spine: What do you need to know?. <i>Clinical Neurology and Neurosurgery</i> , 2015 , 139, 295-301	2	99
552	Complications in adult spinal deformity surgery: an analysis of minimally invasive, hybrid, and open surgical techniques. <i>Neurosurgical Focus</i> , 2014 , 36, E15	4.2	99
551	Does vertebral level of pedicle subtraction osteotomy correlate with degree of spinopelvic parameter correction?. <i>Journal of Neurosurgery: Spine</i> , 2011 , 14, 184-91	2.8	98
550	Sagittal realignment failures following pedicle subtraction osteotomy surgery: are we doing enough?: Clinical article. <i>Journal of Neurosurgery: Spine</i> , 2012 , 16, 539-46	2.8	93
549	Clinical and radiographic evaluation of the adult spinal deformity patient. <i>Neurosurgery Clinics of North America</i> , 2013 , 24, 143-56	4	92
548	Clinical and radiographic parameters that distinguish between the best and worst outcomes of scoliosis surgery for adults. <i>European Spine Journal</i> , 2013 , 22, 402-10	2.7	90
547	Radiographical and Implant-Related Complications in Adult Spinal Deformity Surgery: Incidence, Patient Risk Factors, and Impact on Health-Related Quality of Life. <i>Spine</i> , 2015 , 40, 1414-21	3.3	90
546	Surgical rates and operative outcome analysis in thoracolumbar and lumbar major adult scoliosis: application of the new adult deformity classification. <i>Spine</i> , 2007 , 32, 2723-30	3.3	90
545	Complications and intercenter variability of three-column osteotomies for spinal deformity surgery: a retrospective review of 423 patients. <i>Neurosurgical Focus</i> , 2014 , 36, E18	4.2	89
544	T1 pelvic angle (TPA) effectively evaluates sagittal deformity and assesses radiographical surgical outcomes longitudinally. <i>Spine</i> , 2014 , 39, 1203-10	3.3	88
543	An assessment of frailty as a tool for risk stratification in adult spinal deformity surgery. <i>Neurosurgical Focus</i> , 2017 , 43, E3	4.2	87
542	Use of Surgimap Spine in sagittal plane analysis, osteotomy planning, and correction calculation. <i>Neurosurgery Clinics of North America</i> , 2013 , 24, 163-72	4	86
541	Adult spinal deformity. <i>Lancet, The</i> , 2019 , 394, 160-172	4.0	83
540	A Comprehensive Review of Complication Rates After Surgery for Adult Deformity: A Reference for Informed Consent. <i>Spine Deformity</i> , 2015 , 3, 575-594	2	83

539	Complication rates associated with 3-column osteotomy in 82 adult spinal deformity patients: retrospective review of a prospectively collected multicenter consecutive series with 2-year follow-up. <i>Journal of Neurosurgery: Spine</i> , 2017 , 27, 444-457	2.8	81
538	The comprehensive anatomical spinal osteotomy classification. <i>Neurosurgery</i> , 2015 , 76 Suppl 1, S33-41; discussion S41	3.2	81
537	Comprehensive study of back and leg pain improvements after adult spinal deformity surgery: analysis of 421 patients with 2-year follow-up and of the impact of the surgery on treatment satisfaction. <i>Journal of Neurosurgery: Spine</i> , 2015 , 22, 540-53	2.8	79
536	Comparison of best versus worst clinical outcomes for adult spinal deformity surgery: a retrospective review of a prospectively collected, multicenter database with 2-year follow-up. <i>Journal of Neurosurgery: Spine</i> , 2015 , 23, 349-59	2.8	79
535	Comparison of two minimally invasive surgery strategies to treat adult spinal deformity. <i>Journal of Neurosurgery: Spine</i> , 2015 , 22, 374-80	2.8	78
534	Reoperation rates and impact on outcome in a large, prospective, multicenter, adult spinal deformity database: clinical article. <i>Journal of Neurosurgery: Spine</i> , 2013 , 19, 464-70	2.8	77
533	The effect of posterior polyester tethers on the biomechanics of proximal junctional kyphosis: a finite element analysis. <i>Journal of Neurosurgery: Spine</i> , 2017 , 26, 125-133	2.8	73
532	Perioperative complications and mortality after spinal fusions: analysis of trends and risk factors. <i>Spine</i> , 2013 , 38, 1970-6	3.3	73
531	A standardized nomenclature for cervical spine soft-tissue release and osteotomy for deformity correction: clinical article. <i>Journal of Neurosurgery: Spine</i> , 2013 , 19, 269-78	2.8	72
530	Role of pelvic translation and lower-extremity compensation to maintain gravity line position in spinal deformity. <i>Journal of Neurosurgery: Spine</i> , 2016 , 24, 436-46	2.8	71
529	Comparison of complications, costs, and length of stay of three different lumbar interbody fusion techniques: an analysis of the Nationwide Inpatient Sample database. <i>Spine Journal</i> , 2014 , 14, 2019-27	4	70
528	Surgical treatment of pathological loss of lumbar lordosis (flatback) in patients with normal sagittal vertical axis achieves similar clinical improvement as surgical treatment of elevated sagittal vertical axis: clinical article. <i>Journal of Neurosurgery: Spine</i> , 2014 , 21, 160-70	2.8	70
527	Posterior global malalignment after osteotomy for sagittal plane deformity: it happens and here is why. <i>Spine</i> , 2013 , 38, E394-401	3.3	69
526	Natural Head Posture in the Setting of Sagittal Spinal Deformity: Validation of Chin-Brow Vertical Angle, Slope of Line of Sight, and McGregor's Slope With Health-Related Quality of Life. <i>Neurosurgery</i> , 2016 , 79, 108-15	3.2	69
525	Prospective Multicenter Assessment of Early Complication Rates Associated With Adult Cervical Deformity Surgery in 78 Patients. <i>Neurosurgery</i> , 2016 , 79, 378-88	3.2	68
524	Evaluation of complications and neurological deficits with three-column spine reconstructions for complex spinal deformity: a retrospective Scolio-RISK-1 study. <i>Neurosurgical Focus</i> , 2014 , 36, E17	4.2	67
523	Prevalence and type of cervical deformity among 470 adults with thoracolumbar deformity. <i>Spine</i> , 2014 , 39, E1001-9	3.3	67
522	Sagittal deformities of the spine: factors influencing the outcomes and complications. <i>European Spine Journal</i> , 2015 , 24 Suppl 1, S3-15	2.7	65

521	Impact of obesity on complications, infection, and patient-reported outcomes in adult spinal deformity surgery. <i>Journal of Neurosurgery: Spine</i> , 2015 , 23, 656-664	2.8	65
520	Multicenter validation of a formula predicting postoperative spinopelvic alignment. <i>Journal of Neurosurgery: Spine</i> , 2012 , 16, 15-21	2.8	65
519	Antifibrinolytics reduce blood loss in adult spinal deformity surgery: a prospective, randomized controlled trial. <i>Spine</i> , 2015 , 40, E443-9	3.3	64
518	Recent and Emerging Advances in Spinal Deformity. <i>Neurosurgery</i> , 2017 , 80, S70-S85	3.2	64
517	Total disc arthroplasty: consequences for sagittal balance and lumbar spine movement. <i>European Spine Journal</i> , 2007 , 16, 411-21	2.7	64
516	Development of a preoperative predictive model for major complications following adult spinal deformity surgery. <i>Journal of Neurosurgery: Spine</i> , 2017 , 26, 736-743	2.8	63
515	Reciprocal changes in cervical spine alignment after corrective thoracolumbar deformity surgery. <i>European Spine Journal</i> , 2014 , 23, 552-9	2.7	62
514	Risk Factors for Reoperation in Patients Treated Surgically for Intervertebral Disc Herniation: A Subanalysis of Eight-Year SPORT Data. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015 , 97, 1316-25	5.6	62
513	Development of Validated Computer-based Preoperative Predictive Model for Proximal Junction Failure (PJF) or Clinically Significant PJK With 86% Accuracy Based on 510 ASD Patients With 2-year Follow-up. <i>Spine</i> , 2016 , 41, E1328-E1335	3.3	62
512	Comparison of radiographic results after minimally invasive, hybrid, and open surgery for adult spinal deformity: a multicenter study of 184 patients. <i>Neurosurgical Focus</i> , 2014 , 36, E13	4.2	59
511	Sagittal spinal pelvic alignment. <i>Neurosurgery Clinics of North America</i> , 2013 , 24, 157-62	4	59
510	Predictors of inpatient morbidity and mortality in adult spinal deformity surgery. <i>European Spine Journal</i> , 2016 , 25, 819-27	2.7	58
509	Sagittal spino-pelvic alignment failures following three column thoracic osteotomy for adult spinal deformity. <i>European Spine Journal</i> , 2012 , 21, 698-704	2.7	55
508	Likelihood of reaching minimal clinically important difference in adult spinal deformity: a comparison of operative and nonoperative treatment. <i>Ochsner Journal</i> , 2014 , 14, 67-77	1.5	55
507	Predicting Cervical Alignment Required to Maintain Horizontal Gaze Based on Global Spinal Alignment. <i>Spine</i> , 2016 , 41, 1795-1800	3.3	54
506	Assessment of Surgical Treatment Strategies for Moderate to Severe Cervical Spinal Deformity Reveals Marked Variation in Approaches, Osteotomies, and Fusion Levels. <i>World Neurosurgery</i> , 2016 , 91, 228-37	2.1	54
505	The Health Impact of Adult Cervical Deformity in Patients Presenting for Surgical Treatment: Comparison to United States Population Norms and Chronic Disease States Based on the EuroQol-5 Dimensions Questionnaire. <i>Neurosurgery</i> , 2017 , 80, 716-725	3.2	53
504	Comparing Quality of Life in Cervical Spondylotic Myelopathy with Other Chronic Debilitating Diseases Using the Short Form Survey 36-Health Survey. <i>World Neurosurgery</i> , 2017 , 106, 699-706	2.1	51

503	Patients with spinal deformity over the age of 75: a retrospective analysis of operative versus non-operative management. <i>European Spine Journal</i> , 2016 , 25, 2433-41	2.7	50
502	Etiology of lumbar lordosis and its pathophysiology: a review of the evolution of lumbar lordosis, and the mechanics and biology of lumbar degeneration. <i>Neurosurgical Focus</i> , 2014 , 36, E1	4.2	50
501	3D finite element simulation of Cotrel-Dubousset correction. <i>Computer Aided Surgery</i> , 2004 , 9, 17-25		49
500	Primary Versus Revision Surgery in the Setting of Adult Spinal Deformity: A Nationwide Study on 10,912 Patients. <i>Spine</i> , 2015 , 40, 1674-80	3.3	48
499	New interspinous implant evaluation using an in vitro biomechanical study combined with a finite-element analysis. <i>Spine</i> , 2007 , 32, 1706-13	3.3	48
498	Predictors of Revision Surgical Procedure Excluding Wound Complications in Adult Spinal Deformity and Impact on Patient-Reported Outcomes and Satisfaction: A Two-Year Follow-up. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016 , 98, 536-43	5.6	48
497	Radiographic Outcomes of Adult Spinal Deformity Correction: A Critical Analysis of Variability and Failures Across Deformity Patterns. <i>Spine Deformity</i> , 2014 , 2, 219-225	2	47
496	Upper thoracic versus lower thoracic upper instrumented vertebrae endpoints have similar outcomes and complications in adult scoliosis. <i>Spine</i> , 2014 , 39, E795-9	3.3	47
495	Vertebroplasty and kyphoplasty: national outcomes and trends in utilization from 2005 through 2010. <i>Spine Journal</i> , 2015 , 15, 959-65	4	46
494	Traumatic Fractures of the Cervical Spine: Analysis of Changes in Incidence, Cause, Concurrent Injuries, and Complications Among 488,262 Patients from 2005 to 2013. <i>World Neurosurgery</i> , 2018 , 110, e427-e437	2.1	46
493	Demographic factors affect Scoliosis Research Society-22 performance in healthy adolescents: a comparative baseline for adolescents with idiopathic scoliosis. <i>Spine</i> , 2010 , 35, 2134-9	3.3	46
492	A new quasi-invariant parameter characterizing the postural alignment of young asymptomatic adults. <i>European Spine Journal</i> , 2016 , 25, 3666-3674	2.7	46
491	Less invasive surgery for treating adult spinal deformities: ceiling effects for deformity correction with 3 different techniques. <i>Neurosurgical Focus</i> , 2014 , 36, E12	4.2	44
490	Classifications for adult spinal deformity and use of the Scoliosis Research Society-Schwab Adult Spinal Deformity Classification. <i>Neurosurgery Clinics of North America</i> , 2013 , 24, 185-93	4	44
489	Unplanned hospital readmission after surgical treatment of common lumbar pathologies: rates and causes. <i>Spine</i> , 2015 , 40, 423-8	3.3	43
488	Acute reciprocal changes distant from the site of spinal osteotomies affect global postoperative alignment. <i>Advances in Orthopedics</i> , 2011 , 2011, 415946	2.1	42
487	Global sagittal axis: a step toward full-body assessment of sagittal plane deformity in the human body. <i>Journal of Neurosurgery: Spine</i> , 2016 , 25, 494-499	2.8	41
486	Orientation of the Upper-most Instrumented Segment Influences Proximal Junctional Disease Following Adult Spinal Deformity Surgery. <i>Spine</i> , 2017 , 42, 1570-1577	3.3	40

485	Three-column osteotomy for correction of cervical and cervicothoracic deformities: alignment changes and early complications in a multicenter prospective series of 23 patients. <i>European Spine Journal</i> , 2017 , 26, 2128-2137	2.7	40
484	Revision Surgery After 3-Column Osteotomy in 335 Patients With Adult Spinal Deformity: Intercenter Variability and Risk Factors. <i>Spine</i> , 2014 , 39, 881-885	3.3	40
483	Anterior Column Realignment has Similar Results to Pedicle Subtraction Osteotomy in Treating Adults with Sagittal Plane Deformity. <i>World Neurosurgery</i> , 2017 , 105, 249-256	2.1	39
482	Postoperative cervical deformity in 215 thoracolumbar patients with adult spinal deformity: prevalence, risk factors, and impact on patient-reported outcome and satisfaction at 2-year follow-up. <i>Spine</i> , 2015 , 40, 283-91	3.3	38
481	Artificial Intelligence Based Hierarchical Clustering of Patient Types and Intervention Categories in Adult Spinal Deformity Surgery: Towards a New Classification Scheme that Predicts Quality and Value. <i>Spine</i> , 2019 , 44, 915-926	3.3	38
480	Effect of liberal blood transfusion on clinical outcomes and cost in spine surgery patients. <i>Spine Journal</i> , 2017 , 17, 1255-1263	4	37
479	Assessment of a Novel Adult Cervical Deformity Frailty Index as a Component of Preoperative Risk Stratification. <i>World Neurosurgery</i> , 2018 , 109, e800-e806	2.1	37
478	Does Minimally Invasive Percutaneous Posterior Instrumentation Reduce Risk of Proximal Junctional Kyphosis in Adult Spinal Deformity Surgery? A Propensity-Matched Cohort Analysis. <i>Neurosurgery</i> , 2016 , 78, 101-8	3.2	37
477	Surgical treatment for adult spinal deformity: projected cost effectiveness at 5-year follow-up. <i>Ochsner Journal</i> , 2014 , 14, 14-22	1.5	36
476	Risk Factors for Reoperation in Patients Treated Surgically for Lumbar Stenosis: A Subanalysis of the 8-year Data From the SPORT Trial. <i>Spine</i> , 2016 , 41, 901-9	3.3	36
475	The Clinical Correlation of the Hart-ISSG Proximal Junctional Kyphosis Severity Scale With Health-Related Quality-of-life Outcomes and Need for Revision Surgery. <i>Spine</i> , 2016 , 41, 213-23	3.3	36
474	Impact of preoperative depression on 2-year clinical outcomes following adult spinal deformity surgery: the importance of risk stratification based on type of psychological distress. <i>Journal of Neurosurgery: Spine</i> , 2016 , 25, 477-485	2.8	36
473	Operative Management of Adult Spinal Deformity Results in Significant Increases in QALYs Gained Compared to Nonoperative Management: Analysis of 479 Patients With Minimum 2-Year Follow-Up. <i>Spine</i> , 2018 , 43, 339-347	3.3	35
472	Impact of poor mental health in adult spinal deformity patients with poor physical function: a retrospective analysis with a 2-year follow-up. <i>Journal of Neurosurgery: Spine</i> , 2017 , 26, 116-124	2.8	35
471	Does recombinant human bone morphogenetic protein-2 use in adult spinal deformity increase complications and are complications associated with location of rhBMP-2 use? A prospective, multicenter study of 279 consecutive patients. <i>Spine</i> , 2014 , 39, 233-42	3.3	34
470	Impact of age on the likelihood of reaching a minimum clinically important difference in 374 three-column spinal osteotomies: clinical article. <i>Journal of Neurosurgery: Spine</i> , 2014 , 20, 306-12	2.8	34
469	The benefit of nonoperative treatment for adult spinal deformity: identifying predictors for reaching a minimal clinically important difference. <i>Spine Journal</i> , 2016 , 16, 210-8	4	33
468	A porcine model for progressive thoracic scoliosis. <i>Spine</i> , 2009 , 34, E397-404	3.3	33

467	Clinical and Radiographic Evaluation of Adult Spinal Deformity. <i>Clinical Spine Surgery</i> , 2016 , 29, 6-16	1.8	33
466	A Pilot Study on Posterior Polyethylene Tethers to Prevent Proximal Junctional Kyphosis After Multilevel Spinal Instrumentation for Adult Spinal Deformity. <i>Operative Neurosurgery</i> , 2019 , 16, 256-266 ^{1.6}		33
465	Association between preoperative cervical sagittal deformity and inferior outcomes at 2-year follow-up in patients with adult thoracolumbar deformity: analysis of 182 patients. <i>Journal of Neurosurgery: Spine</i> , 2016 , 24, 108-15	2.8	32
464	Cervical compensatory alignment changes following correction of adult thoracic deformity: a multicenter experience in 57 patients with a 2-year follow-up. <i>Journal of Neurosurgery: Spine</i> , 2015 , 22, 658-65	2.8	32
463	Maintenance of radiographic correction at 2 years following lumbar pedicle subtraction osteotomy is superior with upper thoracic compared with thoracolumbar junction upper instrumented vertebra. <i>European Spine Journal</i> , 2015 , 24 Suppl 1, S121-30	2.7	32
462	Predictive model for distal junctional kyphosis after cervical deformity surgery. <i>Spine Journal</i> , 2018 , 18, 2187-2194	4	32
461	Patients with adult spinal deformity treated operatively report greater baseline pain and disability than patients treated nonoperatively; however, deformities differ between age groups. <i>Spine</i> , 2014 , 39, 1401-7	3.3	32
460	Sagittal spinopelvic malalignment in Parkinson disease: prevalence and associations with disease severity. <i>Spine</i> , 2014 , 39, E833-41	3.3	31
459	Reciprocal sagittal alignment changes after posterior fusion in the setting of adolescent idiopathic scoliosis. <i>European Spine Journal</i> , 2012 , 21, 1964-71	2.7	31
458	Intraoperative three-dimensional correction during rod rotation technique. <i>Spine</i> , 2009 , 34, 512-9	3.3	31
457	Cervical mismatch: the normative value of T1 slope minus cervical lordosis and its ability to predict ideal cervical lordosis. <i>Journal of Neurosurgery: Spine</i> , 2018 , 30, 31-37	2.8	31
456	Osteotomies in the treatment of spinal deformities: indications, classification, and surgical planning. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2014 , 24 Suppl 1, S11-20	2.2	30
455	Which daily functions are most affected by stiffness following total lumbar fusion: comparison of upper thoracic and thoracolumbar proximal endpoints. <i>Spine</i> , 2015 , 40, 1338-44	3.3	30
454	Sacro-femoral-pubic angle: a coronal parameter to estimate pelvic tilt. <i>European Spine Journal</i> , 2012 , 21, 719-24	2.7	30
453	Predicting Extended Length of Hospital Stay in an Adult Spinal Deformity Surgical Population. <i>Spine</i> , 2016 , 41, E798-E805	3.3	30
452	Body mass index predicts risk of complications in lumbar spine surgery based on surgical invasiveness. <i>Spine Journal</i> , 2018 , 18, 1204-1210	4	30
451	The Amount of Proximal Lumbar Lordosis Is Related to Pelvic Incidence. <i>Clinical Orthopaedics and Related Research</i> , 2018 , 476, 1603-1611	2.2	29
450	Full-Body Analysis of Age-Adjusted Alignment in Adult Spinal Deformity Patients and Lower-Limb Compensation. <i>Spine</i> , 2017 , 42, 653-661	3.3	28

449	Impact of dynamic alignment, motion, and center of rotation on myelopathy grade and regional disability in cervical spondylotic myelopathy. <i>Journal of Neurosurgery: Spine</i> , 2015 , 23, 690-700	2.8	28
448	Minimal Clinically Important Difference and Substantial Clinical Benefit Using PROMIS CAT in Cervical Spine Surgery. <i>Clinical Spine Surgery</i> , 2019 , 32, 392-397	1.8	28
447	Virtual Modeling of Postoperative Alignment After Adult Spinal Deformity Surgery Helps Predict Associations Between Compensatory Spinopelvic Alignment Changes, Overcorrection, and Proximal Junctional Kyphosis. <i>Spine</i> , 2017 , 42, E1119-E1125	3.3	27
446	Adult Spinal Deformity: National Trends in the Presentation, Treatment, and Perioperative Outcomes From 2003 to 2010. <i>Spine Deformity</i> , 2017 , 5, 342-350	2	27
445	What are the risk factors for surgical site infection after spinal fusion? A meta-analysis. <i>European Spine Journal</i> , 2018 , 27, 2469-2480	2.7	27
444	Predictors of morbidity and mortality among patients with cervical spondylotic myelopathy treated surgically. <i>European Spine Journal</i> , 2015 , 24, 2910-7	2.7	27
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297	The Importance of C2 Slope, a Singular Marker of Cervical Deformity, Correlates With Patient-reported Outcomes. <i>Spine</i> , 2020 , 45, 184-192	3.3	11
296	Assessment of Impact of Long-Cassette Standing X-Rays on Surgical Planning for Cervical Pathology: An International Survey of Spine Surgeons. <i>Neurosurgery</i> , 2016 , 78, 717-24	3.2	11
295	Tridimensional Analysis of Rotatory Subluxation and Sagittal Spinopelvic Alignment in the Setting of Adult Spinal Deformity. <i>Spine Deformity</i> , 2017 , 5, 255-264	2	10
294	Assessment of impact of standing long-cassette radiographs on surgical planning for lumbar pathology: an international survey of spine surgeons. <i>Journal of Neurosurgery: Spine</i> , 2015 , 23, 581-588	2.8	10
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292	Initial Experience With Real-Time Continuous Physical Activity Monitoring in Patients Undergoing Spine Surgery. <i>Clinical Spine Surgery</i> , 2017 , 30, E1434-E1443	1.8	10
291	Dural Tears in Adult Deformity Surgery: Incidence, Risk Factors, and Outcomes. <i>Global Spine Journal</i> , 2018 , 8, 25-31	2.7	10
290	Cervical Alignment Changes in Patients Developing Proximal Junctional Kyphosis Following Surgical Correction of Adult Spinal Deformity. <i>Neurosurgery</i> , 2018 , 83, 675-682	3.2	10
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210	Reciprocal Changes in Cervical Alignment After Thoracolumbar Arthrodesis for Adult Spinal Deformity. <i>Spine</i> , 2019 , 44, E1311-E1316	3.3	5
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158	Urinary N-Telopeptide Can Predict Pseudarthrosis After Anterior Cervical Decompression and Fusion: A Prospective Study. <i>Spine</i> , 2019 , 44, 770-776	3.3	2
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156	Comparison of biomechanical studies of disc repair devices based on a systematic review. <i>Spine Journal</i> , 2020 , 20, 1344-1355	4	2
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