Ali Bydon

List of Publications by Year
in descending order

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123 papers	3,118 citations	117625 34 h-index	197818 49 g-index
124 all docs	124 docs citations	124 times ranked	3016 citing authors

#	Article	IF	Citations
1	Recurrent back and leg pain and cyst reformation after surgical resectionÂof spinal synovial cysts: systematic review of reported postoperative outcomes. Spine Journal, 2010, 10, 820-826.	1.3	112
2	Use of S2-Alar-iliac Screws Associated With Less Complications Than Iliac Screws in Adult Lumbosacropelvic Fixation. Spine, 2017, 42, E142-E149.	2.0	109
3	Incidence and Prognostic Factors of C5 Palsy. Neurosurgery, 2014, 74, 595-605.	1.1	98
4	The Current Role of Steroids in Acute Spinal Cord Injury. World Neurosurgery, 2014, 82, 848-854.	1.3	89
5	Factors Associated With Recurrent Back Pain and Cyst Recurrence After Surgical Resection of One Hundred Ninety-Five Spinal Synovial Cysts. Spine, 2010, 35, 1044-1053.	2.0	84
6	Adjacent Segment Disease After Anterior Cervical Discectomy and Fusion in a Large Series. Neurosurgery, 2014, 74, 139-146.	1.1	77
7	Spontaneous regression of sequestrated lumbar disc herniations: Literature review. Clinical Neurology and Neurosurgery, 2014, 120, 136-141.	1.4	71
8	Natural history and treatment of craniocervical junction dural arteriovenous fistulas. Journal of Clinical Neuroscience, 2015, 22, 1701-1707.	1.5	71
9	Surgical treatment of cervical spondylotic myelopathy with anterior compression: a review of 67 cases. Journal of Neurosurgery: Spine, 2008, 9, 152-157.	1.7	70
10	The Impact of Provider Volume on the Outcomes After Surgery for Lumbar Spinal Stenosis. Neurosurgery, 2012, 70, 1346-1354.	1.1	70
11	Total en bloc spondylectomy for locally aggressive and primary malignant tumors of the lumbar spine. European Spine Journal, 2016, 25, 4080-4087.	2.2	65
12	Long-term patient outcomes after posterior cervical foraminotomy: an analysis of 151 cases. Journal of Neurosurgery: Spine, 2014, 21, 727-731.	1.7	64
13	Incidence and Clinical Significance of Vascular Encroachment Resulting From Freehand Placement of Pedicle Screws in the Thoracic and Lumbar Spine. Spine, 2014, 39, 683-687.	2.0	58
14	Adjacent Segment Disease After Anterior Cervical Discectomy and Fusion. Spine, 2014, 39, 120-126.	2.0	58
15	Impact of resident participation on morbidity and mortality in neurosurgical procedures: an analysis of 16,098 patients. Journal of Neurosurgery, 2015, 122, 955-961.	1.6	57
16	Preoperative Radiographic Factors and Surgeon Experience Are Associated With Cortical Breach of C2 Pedicle Screws. Journal of Spinal Disorders and Techniques, 2010, 23, 9-14.	1.9	56
17	Spinal Instrumentation in Patients with Primary Spinal Infections Does Not Lead to Greater Recurrent Infection Rates: An Analysis of 118 Cases. World Neurosurgery, 2014, 82, e807-e814.	1.3	53
18	The cost-effectiveness of interbody fusions versus posterolateral fusions in 137 patients with lumbar spondylolisthesis. Spine Journal, 2015, 15, 492-498.	1.3	51

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19	S2-Alar-Iliac Screws are Associated with Lower Rate of Symptomatic Screw Prominence than Iliac Screws: Radiographic Analysis of Minimal Distance from Screw Head to Skin. World Neurosurgery, 2016, 93, 253-260.	1.3	50
20	Intraoperative indocyanine green angiography for obliteration of a spinal dural arteriovenous fistula. Journal of Neurosurgery: Spine, 2009, 11, 705-709.	1.7	49
21	Comparison Between S2-Alar-Iliac Screw Fixation and Iliac Screw Fixation in Adult Deformity Surgery: Reoperation Rates and Spinopelvic Parameters. Global Spine Journal, 2017, 7, 672-680.	2.3	49
22	Safety of spinal decompression using an ultrasonic bone curette compared with a high-speed drill: outcomes in 337 patients. Journal of Neurosurgery: Spine, 2013, 18, 627-633.	1.7	48
23	Maintenance of bowel, bladder, and motor functions after sacrectomy. Spine Journal, 2015, 15, 222-229.	1.3	48
24	Robotic Spine Surgery: Current State in Minimally Invasive Surgery. Global Spine Journal, 2020, 10, 34S-40S.	2.3	47
25	Spinal Epidural Abscess: Current Diagnosis and Management. Current Infectious Disease Reports, 2010, 12, 484-491.	3.0	46
26	Deep-wound and organ-space infection after surgery for degenerative spine disease: an analysis from 2006 to 2012. Neurological Research, 2016, 38, 117-123.	1.3	46
27	The impact of insurance status on outcomes after surgery for spinal metastases. Cancer, 2012, 118, 4833-4841.	4.1	45
28	Pedicle screw accuracy assessment in ExcelsiusGPSÂ® robotic spine surgery: evaluation of deviation from pre-planned trajectory. Chinese Neurosurgical Journal, 2018, 4, 23.	0.9	44
29	Soft-tissue reconstruction after total en bloc sacrectomy. Journal of Neurosurgery: Spine, 2015, 22, 571-581.	1.7	43
30	Posterolateral fusion with interbody for lumbar spondylolisthesis is associated with less repeat surgery than posterolateral fusion alone. Clinical Neurology and Neurosurgery, 2015, 138, 117-123.	1.4	43
31	COVID-19 and the central nervous system. Clinical Neurology and Neurosurgery, 2020, 198, 106116.	1.4	42
32	Microdiscectomy Improves Pain-Associated Depression, Somatic Anxiety, and Mental Well-Being in Patients With Herniated Lumbar Disc. Neurosurgery, 2012, 70, 306-311.	1.1	41
33	Development of postoperative C5 palsy is associated with wider posterior decompressions: an analysis of 41 patients. Spine Journal, 2014, 14, 2861-2867.	1.3	40
34	Clinical and surgical outcomes after lumbar laminectomy: An analysis of 500 patients. , 2015, 6, 190.		40
35	Technique: open lumbar decompression and fusion with the Excelsius GPS robot. Neurosurgical Focus, 2018, 45, V6.	2.3	37
36	The impact of July hospital admission on outcome after surgery for spinal metastases at academic medical centers in the United States, 2005 to 2008. Cancer, 2012, 118, 1429-1438.	4.1	36

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37	Adjacent segment disease after anterior cervical discectomy and fusion: Incidence and clinical outcomes of patients requiring anterior versus posterior repeat cervical fusion. , 2014, 5, 74.		36
38	Accuracy of C2 pedicle screw placement using the anatomic freehand technique. Clinical Neurology and Neurosurgery, 2014, 125, 24-27.	1.4	36
39	Iatrogenic Spondylolisthesis Following Open Lumbar Laminectomy: Case Series and Review of the Literature. World Neurosurgery, 2018, 113, e383-e390.	1.3	32
40	Treatment of Spinal Synovial Cysts. World Neurosurgery, 2013, 79, 375-380.	1.3	30
41	Prediction calculator for nonroutine discharge and length of stay after spine surgery. Spine Journal, 2020, 20, 1154-1158.	1.3	29
42	Relationship between depression and clinical outcome following anterior cervical discectomy and fusion. Journal of Spine Surgery, 2017, 3, 133-140.	1.2	28
43	Synovial Cyst as a Marker for Lumbar Instability: A Systematic Review and Meta-Analysis. World Neurosurgery, 2019, 122, e1059-e1068.	1.3	27
44	First spine surgery utilizing real-time image-guided robotic assistance. Computer Assisted Surgery, 2019, 24, 13-17.	1.3	26
45	The incidence of adjacent segment disease after lumbar discectomy: A study of 751 patients. Journal of Clinical Neuroscience, 2017, 35, 42-46.	1.5	25
46	Hemorrhagic Synovial Cyst: The Possible Role of Initial Trauma and Subsequent Microtrauma in Its Pathogenesis: Case Report. Neurosurgery, 2011, 68, E858-E865.	1.1	24
47	Post-surgical thoracic pseudomeningocele causing spinal cord compression. Journal of Clinical Neuroscience, 2014, 21, 367-372.	1.5	24
48	Thirty day postoperative outcomes following anterior lumbar interbody fusion using the national surgical quality improvement program database. Clinical Neurology and Neurosurgery, 2016, 143, 126-131.	1.4	24
49	Successful anterior fusion following posterior cervical fusion for revision of anterior cervical discectomy and fusion pseudarthrosis. Journal of Clinical Neuroscience, 2016, 24, 57-62.	1.5	24
50	Bone graft options for spinal fusion following resection of spinal column tumors: systematic review and meta-analysis. Neurosurgical Focus, 2017, 42, E16.	2.3	23
51	The Impact of Weekend Hospital Admission on the Timing of Intervention and Outcomes After Surgery for Spinal Metastases. Neurosurgery, 2012, 70, 586-593.	1.1	22
52	Readmissions After Surgical Resection of Metastatic Tumors of the Spine at a Single Institution. World Neurosurgery, 2017, 101, 695-701.e1.	1.3	22
53	Concurrent neoadjuvant chemotherapy is an independent risk factor of stroke, all-cause morbidity, and mortality in patients undergoing brain tumor resection. Journal of Clinical Neuroscience, 2014, 21, 1895-1900.	1.5	19
54	Surgical Outcomes in Patients with High Spinal Instability Neoplasm Score Secondary to Spinal Giant Cell Tumors. Global Spine Journal, 2016, 6, 21-28.	2.3	19

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55	Utility of the LevelCheck Algorithm for Decision Support in Vertebral Localization. Spine, 2016, 41, E1249-E1256.	2.0	18
56	Management of Cerebrospinal Fluid Leakage During Anterior Cervical Discectomy and Fusion and Its Effect on Spinal Fusion. World Neurosurgery, 2016, 89, 636-640.	1.3	18
57	Intraoperative spinal digital subtraction angiography: indications, technique, safety, and clinical impact. Journal of NeuroInterventional Surgery, 2017, 9, 601-607.	3.3	18
58	Time to recovery predicted by the severity of postoperative C5 palsy. Journal of Neurosurgery: Spine, 2020, 32, 191-199.	1.7	18
59	Surgical outcomes of craniocervial junction meningiomas: A series of 22 consecutive patients. Clinical Neurology and Neurosurgery, 2014, 117, 71-79.	1.4	17
60	The role of spinal fusion in the treatment of cervical synovial cysts: a series of 17 cases and meta-analysis. Journal of Neurosurgery: Spine, 2014, 21, 919-928.	1.7	16
61	Durotomy is associated with pseudoarthrosis following lumbar fusion. Journal of Clinical Neuroscience, 2015, 22, 544-548.	1.5	15
62	Diagnostic and therapeutic values of intraoperative electrophysiological neuromonitoring during resection of intradural extramedullary spinal tumors: a single-center retrospective cohort and meta-analysis. Journal of Neurosurgery: Spine, 2019, 30, 839-849.	1.7	15
63	Scoring System to Triage Patients for Spine Surgery in the Setting of Limited Resources: Application to the Coronavirus Disease 2019 (COVID-19) Pandemic and Beyond. World Neurosurgery, 2020, 140, e373-e380.	1.3	15
64	Iatrogenic Spinal Subdural Extra-Arachnoid Hygroma Following Uncomplicated Lumbar Decompression. Cureus, 2017, 9, e1171.	0.5	15
65	Fluorescent techniques in spine surgery. Neurological Research, 2014, 36, 928-938.	1.3	14
66	Clinical, surgical, and molecular prognostic factors for survival after spinal sarcoma resection. Neurosurgical Focus, 2016, 41, E9.	2.3	14
67	Postoperative survival and functional outcomes for patients with metastatic gynecological cancer to the spine: case series and review of the literature. Journal of Neurosurgery: Spine, 2016, 24, 131-144.	1.7	14
68	The Effect of Smoking Status on Successful Arthrodesis After Lumbar Instrumentation Supplemented with rhBMP-2. World Neurosurgery, 2017, 97, 459-464.	1.3	14
69	Renal Osteodystrophy: Neurosurgical Considerations and Challenges. World Neurosurgery, 2012, 78, 191.e23-191.e33.	1.3	13
70	Time to Surgery and Outcomes in Cauda Equina Syndrome: An Analysis of 45 Cases. World Neurosurgery, 2016, 87, 110-115.	1.3	13
71	Manual muscle test at C5 palsy onset predicts the likelihood of and time to C5 palsy resolution. Journal of Clinical Neuroscience, 2016, 24, 112-116.	1.5	13
72	L4 and L5 Spondylectomy for En Bloc Resection of Giant Cell Tumor and Review of the Literature. Evidence-based Spine-care Journal, 2014, 05, 151-157.	0.9	12

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73	Regression of an atlantoaxial rheumatoid pannus following posterior instrumented fusion. Clinical Neurology and Neurosurgery, 2015, 137, 28-33.	1.4	12
74	Preoperative Clinical and Radiographic Variables Predict Postoperative C5 Palsy. World Neurosurgery, 2019, 127, e585-e592.	1.3	12
75	Reoperation for Proximal Adjacent Segment Pathology in Posterior Cervical Fusion Constructs that Fuse to C2 vs C3. Neurosurgery, 2019, 85, E520-E526.	1.1	12
76	Tokuhashi score is predictive of survival in a cohort of patients undergoing surgery for renal cell carcinoma spinal metastases. European Spine Journal, 2015, 24, 2142-2149.	2.2	10
77	The Nationwide Burden of Neurological Conditions Requiring Emergency Neurosurgery. Neurosurgery, 2017, 81, 422-431.	1.1	10
78	Safety Profile of Lumbosacropelvic Fixation in Patients Aged 60 Years or Older. Clinical Spine Surgery, 2019, 32, E200-E205.	1.3	10
79	Spinal cord float back is not an independent predictor of postoperative C5 palsy in patients undergoing posterior cervical decompression. Spine Journal, 2020, 20, 266-275.	1.3	10
80	Hemorrhagic thoracic schwannoma presenting with intradural hematoma and acute paraplegia after spinal manipulation therapy. International Journal of Spine Surgery, 2016, 10, 42.	1.5	10
81	Educational Program Rankings Are Independently Associated With Residentsâ€™ Academic Career Trajectory in Neurological Surgery. Journal of Surgical Education, 2020, 77, 1312-1320.	2.5	9
82	Does Myelopathy Increase the Morbidity and Mortality of Elective Single-Level Anterior Cervical Discectomy and Fusion? An Updated Propensity-Matched Analysis of 3938 Patients From the American College of Surgeons National Surgical Quality Improvement Program Database. Neurosurgery, 2021, 89, 109-115.	1.1	9
83	Adoption of awake spine surgery â€“ trends from a national registry over 14 years. Spine Journal, 2022, 22, 1601-1609.	1.3	9
84	Long-term outcomes after non-instrumented lumbar arthrodesis. Journal of Clinical Neuroscience, 2014, 21, 1393-1397.	1.5	8
85	Streptococcus intermedius: an unusual cause of spinal epidural abscess. Journal of Spine Surgery, 2017, 3, 243-249.	1.2	8
86	Midline synovial and ganglion cysts causing neurogenic claudication. World Journal of Clinical Cases, 2013, 1, 285.	0.8	8
87	The â€œpatient experienceâ€ a quality metric to be aware of. Spine Journal, 2016, 16, 1290-1291.	1.3	7
88	Prognostic Value of Preoperative Nurick Grade and Time with Symptoms in Patients with Cervical Myelopathy and Gait Impairment. World Neurosurgery, 2017, 105, 314-320.	1.3	7
89	The effect of preoperative diagnosis on the incidence of adjacent segment disease after lumbar fusion. Journal of Neurosurgical Sciences, 2017, 62, 4-9.	0.6	7
90	Harvey Cushing, the Spine Surgeon. Spine, 2011, 36, 1420-1425.	2.0	6

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91	Biomechanical impact of C2 pedicle screw length in an atlantoaxial fusion construct. , 2014, 5, 343.		6
92	rhBMP-2 protects against reoperation for pseudoarthrosis and/or instrumentation failure: A matched case-control study of 448 patients. Journal of Clinical Neuroscience, 2016, 32, 99-103.	1.5	6
93	Duration of indwelling drain following instrumented posterolateral fusion of the lumbar spine does not predict surgical site infection requiring reoperation. Journal of Clinical Neuroscience, 2017, 40, 44-48.	1.5	6
94	Horner Syndrome After Anterior Cervical Discectomy and Fusion: Case Series and Systematic Review. World Neurosurgery, 2020, 133, e68-e75.	1.3	6
95	Influence of Sex on Early Outcomes of Elective Lumbar Fusions: An Updated Propensity-Matched and Subgroup Analysis. World Neurosurgery, 2021, 150, e388-e399.	1.3	6
96	Predictors of an academic career among fellowship-trained spinal neurosurgeons. Journal of Neurosurgery: Spine, 2021, , 1-8.	1.7	6
97	Surgical Mystery. Spine, 2010, 35, E867-E872.	2.0	5
98	Gold fiducials are a unique marker for localization in the thoracic spine: a cost comparison with percutaneous vertebroplasty. Neurological Research, 2014, 36, 925-927.	1.3	5
99	The F2RaD Score: A Novel Prediction Score and Calculator Tool to Identify Patients at Risk of Postoperative C5 Palsy. Operative Neurosurgery, 2020, 19, 582-588.	0.8	5
100	Association of Race with Early Outcomes of Elective Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis: Propensity-Matched and Subgroup Analysis. World Neurosurgery, 2021, 150, e176-e181.	1.3	5
101	Does the Specialty of the Surgeon Performing Elective Anterior/Lateral Lumbar Interbody Fusion for Degenerative Spine Disease Correlate with Early Perioperative Outcomes?. World Neurosurgery, 2021, 155, e111-e118.	1.3	5
102	Early Outcomes of Elective Anterior Cervical Diskectomy and Fusion for Degenerative Spine Disease Correlate With the Specialty of the Surgeon Performing the Procedure. Neurosurgery, 2021, Publish Ahead of Print, 99-105.	1.1	5
103	Primary lesion location influences postoperative survival in patients with metastatic colorectal spinal lesions. Journal of Clinical Neuroscience, 2016, 25, 84-89.	1.5	4
104	Use of Recombinant Human Bone Morphogenetic Protein-2 at the C1-C2 Lateral Articulation without Posterior Structural Bone Graft in Posterior Atlantoaxial Fusion in Adult Patients. World Neurosurgery, 2019, 123, e69-e76.	1.3	3
105	Utility of Posterior Longitudinal Ligament Resection During Anterior Cervical Decompression for Radiculopathy. World Neurosurgery, 2020, 137, e425-e429.	1.3	3
106	Aortic injury in spine surgeryâ€¦â€¦What a spine surgeon needs to know. Neurosurgical Review, 2021, 44, 3189-3196.	2.4	3
107	Instrumented fusion in the setting of primary spinal infection. Journal of Neurosurgical Sciences, 2016, 61, 64-76.	0.6	3
108	Implementation of an Automated Text Messageâ€“Based System for Tracking Patient-Reported Outcomes in Spine Surgery: An Overview of the Concept and Our Early Experience. World Neurosurgery, 2022, 158, e746-e753.	1.3	3

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109	Blast-Induced Traumatic Brain Injuries: Experience from the Deadliest Double Suicide Bombing Attack in Iraq. World Neurosurgery, 2021, 145, e192-e201.	1.3	2
110	Management of syringomyelia associated with tuberculous meningitis: A case report and systematic review of the literature. Journal of Clinical Neuroscience, 2021, 87, 20-25.	1.5	2
111	Surgical Decompression for Cervical Spondylotic Myelopathy in Patients with Associated Hypertension: A Single-Center Retrospective Cohort and Systematic Review of the Literature. World Neurosurgery, 2021, 155, e119-e130.	1.3	2
112	Effect of patientâ€™s sex on early perioperative outcomes following anterior cervical discectomy and fusion. Journal of Clinical Neuroscience, 2021, 93, 247-252.	1.5	2
113	Risk factors for surgical intervention in patients with primary spinal infection on initial presentation. Journal of Neurosurgery: Spine, 2022, , 1-9.	1.7	2
114	Surgeon specialty effect on early outcomes of elective posterior spinal fusion for adolescent idiopathic scoliosis: a propensity-matched analysis of 965 patients. European Spine Journal, 2022, 31, 2355-2361.	2.2	2
115	Mycotic aneurysm and fungal spinal abscess due to tainted steroid injection. British Journal of Neurosurgery, 2014, 28, 416-417.	0.8	1
116	A retrospective cohort analysis of the effects of renin-angiotensin system inhibitors on spinal fusion in ACDF patients. Spine Journal, 2019, 19, 1354-1361.	1.3	1
117	Commentary: Chlorhexidine Showers are Associated With a Reduction in Surgical Site Infection Following Spine Surgery: An Analysis of 4266 Consecutive Surgeries. Neurosurgery, 2019, 85, E1006-E1007.	1.1	1
118	Commentary: Minimally Invasive Transforaminal Lumbar Interbody Fusion for 2-Level Degenerative Lumbar Disease in Patients With Osteoporosis: Long-Term Clinical and Radiographic Outcomes. Operative Neurosurgery, 2021, 20, E396-E397.	0.8	1
119	Isolated aneurysms of the spinal circulation: a systematic review of the literature. Neurosurgical Review, 2021, , 1.	2.4	1
120	Surgical Stabilization for Patients with Mechanical Back Pain Secondary to Metastatic Spinal Disease is Associated with Improved Objective Mobility Metrics: Preliminary Analysis in a Cohort of 26 Patients. World Neurosurgery, 2021, 153, e28-e35.	1.3	1
121	Commentary: Prophylactic Low-Molecular-Weight Heparin Versus Unfractionated Heparin in Spine surgery (PLUSS): A Pilot Matched Cohort Study. Neurosurgery, 2021, Publish Ahead of Print, e13-e14.	1.1	1
122	Thoracic pneumorachis. Spine Journal, 2015, 15, e49-e50.	1.3	0
123	Commentary: Chlorhexidine Showers are Associated With a Reduction in Surgical Site Infection Following Spine Surgery: An Analysis of 4266 Consecutive Surgeries. Neurosurgery, 2018, , .	1.1	0