

Zorica Buser

List of Publications by Year in Descending Order

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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.

97
papers

766
citations

15
h-index

24
g-index

103
ext. papers

1,106
ext. citations

2.6
avg, IF

4.21
L-index

#	Paper	IF	Citations
97	gp130/STAT3 signaling is required for homeostatic proliferation and anabolism in postnatal growth plate and articular chondrocytes.. <i>Communications Biology</i> , 2022 , 5, 64	6.7	2
96	Lumbar surgical drains do not increase the risk of infections in patients undergoing spine surgery.. <i>European Spine Journal</i> , 2022 , 1	2.7	1
95	The impact of frailty on postoperative complications in geriatric patients undergoing multi-level lumbar fusion surgery.. <i>European Spine Journal</i> , 2022 , 1	2.7	0
94	A Tale of Two Institutions: COVID-19 Positive Rates in Asymptomatic Patients Pre-Screened for Spine Procedures and Surgeries in Los Angeles, California. <i>Global Spine Journal</i> , 2021 , 21925682211057489	2.7	2
93	The performance of frailty in predictive modeling of short-term outcomes in the surgical management of metastatic tumors to the spine. <i>Spine Journal</i> , 2021 ,	4	2
92	Impact of diagnosis and type of sacroiliac joint fusion on postoperative complications. <i>European Spine Journal</i> , 2021 , 1	2.7	1
91	Impact of High-intensity Zones on Their Corresponding Lumbar Spine Segments: A Propensity Score-matched Analysis. <i>Clinical Spine Surgery</i> , 2021 , 34, 32-38	1.8	
90	The Impact of Physical Therapy Following Cervical Spine Surgery for Degenerative Spine Disorders: A Systematic Review. <i>Clinical Spine Surgery</i> , 2021 , 34, 291-307	1.8	0
89	Autologous Stem Cells in Cervical Spine Fusion. <i>Global Spine Journal</i> , 2021 , 11, 950-965	2.7	2
88	Use of Autologous Stem Cells in Lumbar Spinal Fusion: A Systematic Review of Current Clinical Evidence. <i>Global Spine Journal</i> , 2021 , 11, 1281-1298	2.7	1
87	Complication Trends and Costs of Surgical Management in 11,086 Osteoporotic Patients Receiving Lumbar Fusion. <i>Spine</i> , 2021 , 46, 1478-1484	3.3	
86	Identifying risks factors in thoracolumbar anterior fusion surgery through predictive analytics in a nationally representative inpatient sample. <i>European Spine Journal</i> , 2021 , 1	2.7	0
85	The Correlation Between Negative Nerve Root Sedimentation Sign and Gravity: A Study of Upright Lumbar Multi-Positional Magnetic Resonance Images. <i>Global Spine Journal</i> , 2021 , 21925682211013310	2.7	1
84	The Effect of Modifiable Risk Factors on Postoperative Complications in Lumbar Spine Fusions. <i>Global Spine Journal</i> , 2021 , 21925682211022315	2.7	1
83	Are Lumbar Fusion Guidelines Followed? A Survey of North American Spine Surgeons. <i>Neurospine</i> , 2021 , 18, 389-396	3.1	1
82	The influence of modifiable risk factors on short-term postoperative outcomes following cervical spine surgery: A retrospective propensity score matched analysis. <i>EClinicalMedicine</i> , 2021 , 36, 100889	11.3	1
81	Trends and patterns of thoracic intervertebral disc degeneration in symptomatic subjects: a magnetic resonance imaging analysis. <i>European Spine Journal</i> , 2021 , 30, 2221-2230	2.7	1

80	The Impact of Osteobiologic Subtype Selection on Perioperative Complications and Hospital-Reported Charges in Single- and Multi-Level Lumbar Spinal Fusion. <i>International Journal of Spine Surgery</i> , 2021 , 15, 654-662	1.4	
79	Anterior Versus Posterior Decompression for Degenerative Thoracic Spine Diseases: A Comparison of Complications. <i>Global Spine Journal</i> , 2021 , 11, 442-449	2.7	2
78	Impact of cervical sagittal balance and cervical spine alignment on craniocervical junction motion: an analysis using upright multi-positional MRI. <i>European Spine Journal</i> , 2021 , 30, 444-453	2.7	2
77	Is Less Really More? Economic Evaluation of Minimally Invasive Surgery. <i>Global Spine Journal</i> , 2021 , 11, 30S-36S	2.7	1
76	Hypoalbuminemia and Elevated CRP are Risk Factors for Deep Infections and Urinary Tract Infections After Lumbar Spine Surgery in a Large Retrospective Patient Population. <i>Global Spine Journal</i> , 2021 , 2192568221990647	2.7	0
75	Perioperative Complications of Surgery for Degenerative Cervical Myelopathy: A Comparison Between 3 Procedures. <i>Global Spine Journal</i> , 2021 , 2192568221998306	2.7	3
74	Propensity-matched Analysis of 1062 Patients Following Minimally Invasive Versus Open Sacroiliac Joint Fusion. <i>Clinical Spine Surgery</i> , 2021 , 34, E477-E482	1.8	
73	Mechanical Low Back Pain: Operative Management 2021 , 665-669		
72	The influence of frailty on postoperative complications in geriatric patients receiving single-level lumbar fusion surgery. <i>European Spine Journal</i> , 2021 , 30, 3755-3762	2.7	2
71	Inclusion of Frailty Improves Predictive Modeling for Postoperative Outcomes in Surgical Management of Primary and Secondary Lumbar Spine Tumors. <i>World Neurosurgery</i> , 2021 , 153, e454-e463 ^{2,1}	2.7	4
70	Analysis of trends in lumbar disc degeneration using kinematic MRI. <i>Clinical Imaging</i> , 2021 , 79, 136-141	2.7	1
69	The impact of bisphosphonates on postoperative complication rates in osteoporotic patients undergoing posterior lumbar fusion. <i>European Spine Journal</i> , 2021 , 30, 1329-1336	2.7	
68	Evaluation of facet joints and segmental motion in patients with different grades of L5/S1 intervertebral disc degeneration: a kinematic MRI study. <i>European Spine Journal</i> , 2020 , 29, 2609-2618	2.7	1
67	Ceramic Biologics for Bony Fusion-a Journey from First to Third Generations. <i>Current Reviews in Musculoskeletal Medicine</i> , 2020 , 13, 530-536	4.6	4
66	The effect of nicotine cessation on human bone marrow stem cell proliferation and differentiation into osteoblasts. <i>Spine Journal</i> , 2020 , 20, 307-309	4	1
65	Occipitocervical measurements: correlation and consistency between multi-positional magnetic resonance imaging and dynamic radiographs. <i>European Spine Journal</i> , 2020 , 29, 2795-2803	2.7	
64	Cervical Disc Replacement: Trends, Costs, and Complications. <i>Asian Spine Journal</i> , 2020 , 14, 647-654	2.8	7
63	Structural Allograft Versus PEEK Implants in Anterior Cervical Discectomy and Fusion: A Systematic Review. <i>Global Spine Journal</i> , 2020 , 10, 775-783	2.7	4

62	Development of AOSpine BOnE (Bone Osteobiologics and Evidence) Classification. <i>Global Spine Journal</i> , 2020 , 10, 871-874	2.7	3
61	Intra- and Post-Complications of Cervical Laminoplasty for the Treatment of Cervical Myelopathy: An Analysis of a Nationwide Database. <i>Spine</i> , 2020 , 45, E1302-E1311	3.3	2
60	Reliability Statistics: A "Weight-Bearing" View. <i>Global Spine Journal</i> , 2020 , 10, 943-950	2.7	1
59	Examination of the Role of Cells in Commercially Available Cellular Allografts in Spine Fusion: An in Vivo Animal Study. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020 , 102, e135	5.6	4
58	Perioperative complications of inpatient and outpatient single-level posterior cervical foraminotomy: a comparative retrospective study. <i>Spine Journal</i> , 2020 , 20, 87-93	4	3
57	Answer to the Letter to the Editor of T. Imamura concerning "The incidence of myocardial infarction after lumbar spine surgery" by Harwin B, Formanek B, Spoonamore M, Robertson D, Buser Z, Wang JC (Eur Spine J. 2019; doi:10.1007/s00586-019-06072-4). <i>European Spine Journal</i> , 2019 , 28, 2188	2.7	
56	Performance properties of health-related measurement instruments in whiplash: systematic review protocol. <i>Systematic Reviews</i> , 2019 , 8, 199	3	4
55	The most appropriate cervical vertebra for the measurement of occipitocervical inclination parameter: a validation study of C3, C4, and C5 levels using multi-positional magnetic resonance imaging. <i>European Spine Journal</i> , 2019 , 28, 2325-2332	2.7	
54	Thoracic spine disc degeneration, translation, and angular motion: An analysis using thoracic spine kinematic MRI (kMRI). <i>Journal of Clinical Neuroscience</i> , 2019 , 66, 113-120	2.2	2
53	Allogenic Stem Cells in Spinal Fusion: A Systematic Review. <i>Global Spine Journal</i> , 2019 , 9, 22S-38S	2.7	12
52	Perioperative Catheter Use as a Risk Factor for Surgical Site Infection After Cervical Surgery: An Analysis of 39,893 Patients. <i>Spine</i> , 2019 , 44, E157-E161	3.3	1
51	Bone morphogenetic protein-2 promotes osteosarcoma growth by promoting epithelial-mesenchymal transition (EMT) through the Wnt/ β -catenin signaling pathway. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 1638-1648	3.8	25
50	Evaluation of foraminal cross-sectional area in lumbar spondylolisthesis using kinematic MRI. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2019 , 29, 17-23	2.2	3
49	The incidence of myocardial infarction after lumbar spine surgery. <i>European Spine Journal</i> , 2019 , 28, 2070-2073		
48	Chemoprophylaxis for the Hip Fracture Patient: A Comparison of Warfarin and Low-Molecular-Weight Heparin. <i>Journal of Orthopaedic Trauma</i> , 2019 , 33, 216-219	3.1	3
47	The Impact of Cervical Spinal Muscle Degeneration on Cervical Sagittal Balance and Spinal Degenerative Disorders. <i>Clinical Spine Surgery</i> , 2019 , 32, E206-E213	1.8	14
46	Reliability and Validity of the AOSpine Thoracolumbar Injury Classification System: A Systematic Review. <i>Global Spine Journal</i> , 2019 , 9, 231-242	2.7	17
45	Kinematic characteristics of patients with cervical imbalance: a weight-bearing dynamic MRI study. <i>European Spine Journal</i> , 2019 , 28, 1200-1208	2.7	2

44	The future of disc surgery and regeneration. <i>International Orthopaedics</i> , 2019 , 43, 995-1002	3.8	10
43	Postoperative complications in adult spinal deformity patients with a mental illness undergoing reconstructive thoracic or thoracolumbar spine surgery. <i>Spine Journal</i> , 2019 , 19, 662-669	4	5
42	Kinematic evaluation of thoracic spinal cord sagittal diameter and the space available for cord using weight-bearing kinematic magnetic resonance imaging. <i>Spinal Cord</i> , 2019 , 57, 276-281	2.7	2
41	Spine Degenerative Conditions and Their Treatments: National Trends in the United States of America. <i>Global Spine Journal</i> , 2018 , 8, 57-67	2.7	37
40	Outpatient Posterior Lumbar Fusion: A Population-Based Analysis of Trends and Complication Rates. <i>Spine</i> , 2018 , 43, 1559-1565	3.3	15
39	Small C7-T1 lordotic angle and muscle degeneration at C7 level were independent radiological characteristics of patients with cervical imbalance: a propensity score-matched analysis. <i>Spine Journal</i> , 2018 , 18, 1505-1512	4	8
38	The evaluation of lumbar paraspinal muscle quantity and quality using the Goutallier classification and lumbar indentation value. <i>European Spine Journal</i> , 2018 , 27, 1005-1012	2.7	15
37	Do modic changes, disc degeneration, translation and angular motion affect facet osteoarthritis of the lumbar spine. <i>European Journal of Radiology</i> , 2018 , 98, 193-199	4.7	11
36	The primary diagnosis and the coexisting anxiety disorders have no impact on the additional surgical procedure after spinal cord stimulators implantation: An analysis of 11,029 patients. <i>Journal of Clinical Neuroscience</i> , 2018 , 47, 208-213	2.2	3
35	Can multi-positional magnetic resonance imaging be used to evaluate angular parameters in cervical spine? A comparison of multi-positional MRI to dynamic plain radiograph. <i>European Spine Journal</i> , 2018 , 27, 1021-1027	2.7	7
34	Allograft Versus Demineralized Bone Matrix in Instrumented and Noninstrumented Lumbar Fusion: A Systematic Review. <i>Global Spine Journal</i> , 2018 , 8, 396-412	2.7	17
33	Incidence of Respiratory Complications Following Lumbar Spine Surgery. <i>International Journal of Spine Surgery</i> , 2018 , 12, 718-724	1.4	5
32	Trends and Costs of Anterior Cervical Discectomy and Fusion: a Comparison of Inpatient And Outpatient Procedures. <i>Iowa orthopaedic journal, The</i> , 2018 , 38, 167-176	1.1	15
31	Trends and Costs of External Electrical Bone Stimulators and Grafting Materials in Anterior Lumbar Interbody Fusion. <i>Asian Spine Journal</i> , 2018 , 12, 973-980	2.8	4
30	Clinical Relationship of Degenerative Changes between the Cervical and Lumbar Spine. <i>Asian Spine Journal</i> , 2018 , 12, 343-348	2.8	5
29	Ambulatory anterior cervical discectomy and fusion is associated with a higher risk of revision surgery and perioperative complications: an analysis of a large nationwide database. <i>Spine Journal</i> , 2018 , 18, 1180-1187	4	33
28	MRI kinematic analysis of T1 sagittal motion between cervical flexion and extension positions in 145 patients. <i>European Spine Journal</i> , 2018 , 27, 1034-1041	2.7	3
27	Kinematic analysis of the space available for cord and disc bulging of the thoracic spine using kinematic magnetic resonance imaging (kMRI). <i>Spine Journal</i> , 2018 , 18, 1122-1127	4	1

26	Can C7 Slope Substitute the T1 slope?: An Analysis Using Cervical Radiographs and Kinematic MRIs. <i>Spine</i> , 2018 , 43, 520-525	3.3	39
25	Characteristics of Cervical Spine Motion in Different Types of Cervical Alignment: Kinematic MRI Study. <i>Clinical Spine Surgery</i> , 2018 , 31, E239-E244	1.8	5
24	A response to a commentary by Dr. Daniel J. Cher. <i>Spine Journal</i> , 2017 , 17, 159	4	
23	Level of conus medullaris termination in adult population analyzed by kinetic magnetic resonance imaging. <i>Surgical and Radiologic Anatomy</i> , 2017 , 39, 759-765	1.4	4
22	Evaluation of changes in lumbar neuroforaminal dimensions in symptomatic young adults using positional MRI. <i>European Spine Journal</i> , 2017 , 26, 1999-2006	2.7	8
21	Low-magnitude mechanical signals and the spine: A review of current and future applications. <i>Journal of Clinical Neuroscience</i> , 2017 , 40, 18-23	2.2	4
20	Reoperation Rates After Single-level Lumbar Discectomy. <i>Spine</i> , 2017 , 42, E496-E501	3.3	41
19	Trends analysis of surgical procedures for cervical degenerative disc disease and myelopathy in patients with tobacco use disorder. <i>European Spine Journal</i> , 2017 , 26, 2386-2392	2.7	7
18	Kinematic evaluation of cervical sagittal balance and thoracic inlet alignment in degenerative cervical spondylolisthesis using kinematic magnetic resonance imaging. <i>Spine Journal</i> , 2017 , 17, 1272-1284	4.4	7
17	Treatment for early postoperative esophageal fistula complicated with anterior cervical surgery. <i>Journal of Orthopaedic Surgery</i> , 2017 , 25, 2309499016684418	1.4	5
16	Trends, Costs, and Complications of Anterior Cervical Discectomy and Fusion With and Without Bone Morphogenetic Protein in the United States Medicare Population. <i>Global Spine Journal</i> , 2017 , 7, 603-608	2.7	20
15	The Clinical Correlations between Diabetes, Cigarette Smoking and Obesity on Intervertebral Degenerative Disc Disease of the Lumbar Spine. <i>Asian Spine Journal</i> , 2017 , 11, 337-347	2.8	24
14	Effect of mental health on postoperative infection rates following cervical spine fusion procedures. <i>Journal of Orthopaedics</i> , 2017 , 14, 501-506	1.6	2
13	Analysis of the relationship between the facet fluid sign and lumbar spine motion of degenerative spondylolytic segment using Kinematic MRI. <i>European Journal of Radiology</i> , 2017 , 94, 6-12	4.7	6
12	Space Available for Cord, Motion, and disc degeneration at the adjacent segments level of degenerative cervical spondylolisthesis using kinematic MRI. <i>Journal of Clinical Neuroscience</i> , 2017 , 45, 89-99	2.2	2
11	Outpatient Total Knee Arthroplasty Is Associated with Higher Risk of Perioperative Complications. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017 , 99, 1978-1986	5.6	49
10	Effect of Oxy133, an osteogenic oxysterol, on new bone formation in rat two-level posterolateral fusion model. <i>European Spine Journal</i> , 2017 , 26, 2763-2772	2.7	4
9	Synthetic bone graft versus autograft or allograft for spinal fusion: a systematic review. <i>Journal of Neurosurgery: Spine</i> , 2016 , 25, 509-516	2.8	89

8	Trends analysis of rhBMP utilization in single-level posterior lumbar fusion (PLF) in the United States. <i>European Spine Journal</i> , 2016 , 25, 783-8	2.7	5
7	Influence of T1 Slope on the Cervical Sagittal Balance in Degenerative Cervical Spine: An Analysis Using Kinematic MRI. <i>Spine</i> , 2016 , 41, 185-90	3.3	57
6	Trends of Posterior Long Segment Fusion with and without Recombinant Human Bone Morphogenetic Protein 2 in Patients with Scoliosis. <i>Global Spine Journal</i> , 2016 , 6, 422-31	2.7	6
5	Analysis of Recombinant Human Bone Morphogenetic Protein-2 Use in the Treatment of Lumbar Degenerative Spondylolisthesis. <i>Global Spine Journal</i> , 2016 , 6, 749-755	2.7	2
4	Stem cells and spinal fusion--are we there yet?. <i>Spine Journal</i> , 2016 , 16, 400-1	4	2
3	Postoperative complications in patients undergoing minimally invasive sacroiliac fusion. <i>Spine Journal</i> , 2016 , 16, 1324-1332	4	16
2	Kinematic relationship between missed ligamentum flavum bulge and degenerative factors in the cervical spine. <i>Spine Journal</i> , 2015 , 15, 2216-21	4	13
1	Trends in vertebroplasty and kyphoplasty after thoracolumbar osteoporotic fracture: A large database study from 2005 to 2012. <i>Journal of Orthopaedics</i> , 2015 , 12, S217-22	1.6	4