Brian J C Freeman

List of Publications by Year
in descending order

56 papers	2,077 citations	279798 23 h-index	233421 45 g-index
56 all docs	56 docs citations	56 times ranked	1983 citing authors

#	Article	IF	Citations
1	Mechanical Initiation of Intervertebral Disc Degeneration. Spine, 2000, 25, 1625-1636.	2.0	632
2	A Randomized, Double-Blind, Controlled Trial. Spine, 2005, 30, 2369-2377.	2.0	194
3	Total disc replacement in the lumbar spine: a systematic review of the literature. European Spine Journal, 2006, 15, 439-447.	2.2	132
4	Validation of an OpenSim full-body model with detailed lumbar spine for estimating lower lumbar spine loads during symmetric and asymmetric lifting tasks. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 451-464.	1.6	73
5	Does Intradiscal Electrothermal Therapy Denervate and Repair Experimentally Induced Posterolateral Annular Tears in an Animal Model?. Spine, 2003, 28, 2602-2608.	2.0	72
6	2009 ISSLS Prize Winner: What Influence Does Sustained Mechanical Load Have on Diffusion in the Human Intervertebral Disc?. Spine, 2009, 34, 2324-2337.	2.0	71
7	C7 decancellisation closing wedge osteotomy for the correction of fixed cervico-thoracic kyphosis. European Spine Journal, 2007, 16, 1471-1478.	2.2	70
8	Randomized, Double-blind, Placebo-Controlled, Trial of Transforaminal Epidural Etanercept for the Treatment of Symptomatic Lumbar Disc Herniation. Spine, 2013, 38, 1986-1994.	2.0	58
9	A prospective, randomised controlled trial of femoral ring allograft versus a titanium cage in circumferential lumbar spinal fusion with minimum 2-year clinical results. European Spine Journal, 2005, 14, 727-737.	2.2	54
10	Clinical Outcome of Symptomatic Unilateral Stress Injuries of the Lumbar Pars Interarticularis. Spine, 2007, 32, 995-1000.	2.0	50
11	IDET: a critical appraisal of the evidence. European Spine Journal, 2006, 15, 448-457.	2.2	47
12	Radiologic Assessment of Spinal Fusion. Journal of the American Academy of Orthopaedic Surgeons, The, 2012, 20, 694-703.	2.5	39
13	Serum Titanium, Niobium, and Aluminum Levels After Instrumented Spinal Arthrodesis in Children. Spine, 2013, 38, 564-570.	2.0	38
14	Traumatic subaxial cervical facet subluxation and dislocation: epidemiology, radiographic analyses, and risk factors for spinal cord injury. Spine Journal, 2018, 18, 387-398.	1.3	37
15	Concepts on the pathogenesis of adolescent idiopathic scoliosis. Bone growth and mass, vertebral column, spinal cord, brain, skull, extra-spinal left-right skeletal length asymmetries, disproportions and molecular pathogenesis. Studies in Health Technology and Informatics, 2008, 135, 3-52.	0.3	37
16	Allogeneic Mesenchymal Precursor Cells Promote Healing in Postero-lateral Annular Lesions and Improve Indices of Lumbar Intervertebral Disc Degeneration in an Ovine Model. Spine, 2016, 41, 1331-1339.	2.0	36
17	Acute Thoracolumbar Spinal Cord Injury. Journal of Bone and Joint Surgery - Series A, 2018, 100, 305-315.	3.0	31
18	Intradiscal electrothermal therapy, percutaneous discectomy, and nucleoplasty: What is the current evidence?. Current Pain and Headache Reports, 2008, 12, 14-21.	2.9	30

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19	Ten-year survival and clinical outcome of the AcroFlex lumbar disc replacement for the treatment of symptomatic disc degeneration. Spine Journal, 2013, 13, 13-21.	1.3	30
20	Chromium Ion Release From Stainless Steel Pediatric Scoliosis Instrumentation. Spine, 2010, 35, 967-974.	2.0	27
21	Intervertebral disc properties: challenges for biodevices. Expert Review of Medical Devices, 2011, 8, 357-376.	2.8	25
22	Serum titanium, niobium and aluminium levels two years following instrumented spinal fusion in children: does implant surface area predict serum metal ion levels?. European Spine Journal, 2014, 23, 2393-2400.	2.2	25
23	Is the duration of pre-operative conservative treatment associated with the clinical outcome following surgical decompression for lumbar spinal stenosis? A study based on the Spine Tango Registry. European Spine Journal, 2017, 26, 488-500.	2.2	25
24	The Biomechanics of the Inter-Lamellar Matrix and the Lamellae During Progression to Lumbar Disc Herniation: Which is the Weakest Structure?. Annals of Biomedical Engineering, 2018, 46, 1280-1291.	2.5	24
25	Early Decompression following Cervical Spinal Cord Injury: Examining the Process of Care from Accident Scene to Surgery. Journal of Neurotrauma, 2016, 33, 1161-1169.	3.4	23
26	ISSLS Prize Winner: Cost-Effectiveness of Two Forms of Circumferential Lumbar Fusion. Spine, 2007, 32, 2891-2897.	2.0	22
27	Local and systemic metal ion release occurs intraoperatively during correction and instrumented spinal fusion for scoliosis. Journal of Children's Orthopaedics, 2015, 9, 39-43.	1.1	20
28	Predictive Factors for the Outcome of Surgical Treatment of Lumbar Spondylolysis in Young Sporting Individuals. Global Spine Journal, 2018, 8, 121-128.	2.3	20
29	Predictors of Serum Chromium Levels After Stainless Steel Posterior Spinal Instrumentation for Adolescent Idiopathic Scoliosis. Spine, 2010, 35, 975-982.	2.0	16
30	Cauda Equina Syndrome Core Outcome Set (CESCOS): An international patient and healthcare professional consensus for research studies. PLoS ONE, 2020, 15, e0225907.	2.5	16
31	Bilateral occipital condyle fractures leading to retropharyngeal haematoma and acute respiratory distress. Injury, 2005, 36, 207-212.	1.7	13
32	Quantitative evaluation of facet deflection, stiffness, strain and failure load during simulated cervical spine trauma. Journal of Biomechanics, 2018, 72, 116-124.	2.1	11
33	Does nanoscale porous titanium coating increase lumbar spinal stiffness of an interbody fusion cage? An in vivo biomechanical analysis in an ovine model. Clinical Biomechanics, 2019, 67, 187-196.	1.2	8
34	Do Children With Spinal Deformity Who Have Metal Implants and Frequent Exposure to X-Rays Increase Their Risk of Cancer?. Spine, 2020, 45, 1200-1207.	2.0	8
35	The effect of axial compression and distraction on cervical facet mechanics during anterior shear, flexion, axial rotation, and lateral bending motions. Journal of Biomechanics, 2019, 83, 205-213.	2.1	7
36	A braced arm-to-thigh (BATT) lifting technique reduces lumbar spine loads in healthy and low back pain participants. Journal of Biomechanics, 2020, 100, 109584.	2.1	7

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37	Mechanisms of Failure Following Simulated Repetitive Lifting. Spine, 2020, 45, 357-367.	2.0	7
38	A Comparison of Radiostereometric Analysis and Computed Tomography for the Assessment of Lumbar Spinal Fusion in a Sheep Model. Evidence-based Spine-care Journal, 2013, 04, 078-089.	0.9	6
39	Early Rapid Neurological Assessment for Acute Spinal Cord Injury Trials. Journal of Neurotrauma, 2016, 33, 1936-1945.	3.4	6
40	Chromium Metal Ion Release During Instrumented Spinal Surgery in Children. Spine, 2020, 45, 1619-1624.	2.0	6
41	Detecting Facet Joint and Lateral Mass Injuries of the Subaxial Cervical Spine in Major Trauma Patients. Asian Spine Journal, 2015, 9, 327.	2.0	5
42	The impact of surgical wait time on patient-based outcomes in posterior lumbar spine surgery (by J.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	4
43	The role of lumbar disc replacement in the surgical management of low back pain. British Journal of Hospital Medicine (London, England: 2005), 2012, 73, 38-43.	0.5	3
44	Lumbar spine loads are reduced for activities of daily living when using a braced arm-to-thigh technique. European Spine Journal, 2021, 30, 1035-1042.	2.2	3
45	Investigating the Effect of Axial Compression and Distraction on Cervical Facet Mechanics During Supraphysiologic Anterior Shear. Journal of Biomechanical Engineering, 2021, 143, .	1.3	3
46	Reviewerâ€™s comment concerning â€˜â€˜Abnormal activation of the motor cortical network in idiopathic scoliosis demonstrated by functional MRIâ€™â€™ (doi:10.1007/s00586-011-1776-8) by J. Domenech et al.. European Spine Journal, 2011, 20, 1079-1080.	2.2	2
47	Local Bone Grafting Is Sufficient for Instrumented Adolescent Idiopathic Scoliosis Surgery: A Preliminary Study. Journal of Pediatric Orthopaedics, 2021, 41, e641-e645.	1.2	2
48	Efficacy of IDET and PIRFT for the Treatment of Discogenic Low Back Pain. , 2010, , 95-100.		1
49	An optimized method for obtaining adult rat spinal cord motor neurons to be used for tissue culture. Journal of Neuroscience Methods, 2016, 273, 128-137.	2.5	1
50	Letters. Spine, 2014, 39, 1263.	2.0	0
51	Restoring lumbar spine stiffness using an interspinous implant in an ovine model of instability. Clinical Biomechanics, 2016, 33, 85-91.	1.2	0
52	The Management of Spondylolysis and Spondylolisthesis. , 2010, , 137-145.		0
53	Title is missing!. , 2020, 15, e0225907.		0
54	Title is missing!. , 2020, 15, e0225907.		0

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55	Title is missing!. , 2020, 15, e0225907.		0
56	Title is missing!. , 2020, 15, e0225907.		0