

# Christina Holmes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7533099/publications.pdf>

Version: 2024-02-01

26  
papers

1,099  
citations

623734

14  
h-index

642732

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Concise Review: Stem Cell Antigen-1: Expression, Function, and Enigma. <i>Stem Cells</i> , 2007, 25, 1339-1347.	3.2	381
2	The biomechanics of pedicle screw augmentation with cement. <i>Spine Journal</i> , 2015, 15, 1432-1445.	1.3	129
3	Use of S2-Alar-iliac Screws Associated With Less Complications Than Iliac Screws in Adult Lumbosacropelvic Fixation. <i>Spine</i> , 2017, 42, E142-E149.	2.0	109
4	Accuracy of Current Techniques for Placement of Pedicle Screws in the Spine: A Comprehensive Systematic Review and Meta-Analysis of 51,161 Screws. <i>World Neurosurgery</i> , 2019, 126, 664-678.e3.	1.3	104
5	Growth factor-eluting technologies for bone tissue engineering. <i>Drug Delivery and Translational Research</i> , 2016, 6, 184-194.	5.8	73
6	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. <i>World Neurosurgery</i> , 2016, 93, 253-260.	1.3	50
7	Comparison Between S2-Alar-Iliac Screw Fixation and Iliac Screw Fixation in Adult Deformity Surgery: Reoperation Rates and Spinopelvic Parameters. <i>Global Spine Journal</i> , 2017, 7, 672-680.	2.3	49
8	Longitudinal Analysis of Mesenchymal Progenitors and Bone Quality in the Stem Cell Antigen-1-Null Osteoporotic Mouse. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1373-1386.	2.8	30
9	Quantitative Study of Parathyroid Hormone (1-34) and Bone Morphogenetic Protein-2 on Spinal Fusion Outcomes in a Rabbit Model of Lumbar Dorsolateral Intertransverse Process Arthrodesis. <i>Spine</i> , 2014, 39, 347-355.	2.0	24
10	Polyelectrolyte Multilayer Coating of 3D Scaffolds Enhances Tissue Growth and Gene Delivery: Non-Invasive and Label-Free Assessment. <i>Advanced Healthcare Materials</i> , 2014, 3, 572-580.	7.6	21
11	Two-dimensional and three-dimensional viability measurements of adult stem cells with optical coherence phase microscopy. <i>Journal of Biomedical Optics</i> , 2011, 16, 086003.	2.6	18
12	Motility imaging via optical coherence phase microscopy enables label-free monitoring of tissue growth and viability in 3D tissue-engineering scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 641-645.	2.7	18
13	A Systematic Assessment of the Use of Platelet-Rich Plasma in Spinal Fusion. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1057-1070.	2.5	18
14	Effects of Intraoperative Intrawound Antibiotic Administration on Spinal Fusion. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 1741-1749.	3.0	15
15	Investigational growth factors utilized in animal models of spinal fusion: Systematic review. <i>World Journal of Orthopedics</i> , 2019, 10, 176-191.	1.8	14
16	Surface Functionalization of Biomaterials. , 2015, , 187-206.		11
17	Variables Affecting Fusion Rates in the Rat Posterolateral Spinal Fusion Model with Autogenic/Allogenic Bone Grafts: A Meta-analysis. <i>Annals of Biomedical Engineering</i> , 2016, 44, 3186-3201.	2.5	10
18	The Effects of High-Dose Parathyroid Hormone Treatment on Fusion Outcomes in a Rabbit Model of Posterolateral Lumbar Spinal Fusion Alone and in Combination with Bone Morphogenetic Protein 2 Treatment. <i>World Neurosurgery</i> , 2018, 115, e366-e374.	1.3	8

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19	A mouse model for the study of transplanted bone marrow mesenchymal stem cell survival and proliferation in lumbar spinal fusion. <i>European Spine Journal</i> , 2019, 28, 710-718.	2.2	5
20	Comparison of Freshly Isolated Adipose Tissue-derived Stromal Vascular Fraction and Bone Marrow Cells in a Posterolateral Lumbar Spinal Fusion Model. <i>Spine</i> , 2021, 46, 631-637.	2.0	4
21	Comparing the efficacy of syngeneic iliac and femoral allografts with iliac crest autograft in a rat model of lumbar spinal fusion. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 410.	2.3	3
22	Comparing the efficacy of adipose-derived and bone marrow-derived cells in a rat model of posterolateral lumbar fusion. <i>Journal of Orthopaedic Research</i> , 2021, , .	2.3	2
23	Monitoring cells in engineered tissues with optical coherence phase microscopy: Optical phase fluctuations as endogenous sources of contrast. , 2013, , .		1
24	Use of S2-Alar-Iliac Screws Associated with Fewer Complications than Iliac Screws in Adult Lumbosacropelvic Fixation. <i>Spine Journal</i> , 2016, 16, S234.	1.3	1
25	A retrospective cohort analysis of the effects of renin-angiotensin system inhibitors on spinal fusion in ACDF patients. <i>Spine Journal</i> , 2019, 19, 1354-1361.	1.3	1
26	Effects of Single versus Hypofractionated Focused Radiation Therapy on Vertebral Structure and Biomechanical Integrity. <i>Global Spine Journal</i> , 2015, 5, s-0035-1554349-s-0035-1554349.	2.3	0