

# Kenneth M C Cheung

## List of Publications by Year in descending order

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146  
papers

9,847  
citations

28274

55  
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39675

94  
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151  
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151  
docs citations

151  
times ranked

9822  
citing authors

#	ARTICLE	IF	CITATIONS
1	Concise Review: The Surface Markers and Identity of Human Mesenchymal Stem Cells. <i>Stem Cells</i> , 2014, 32, 1408-1419.	3.2	833
2	Prevalence and Pattern of Lumbar Magnetic Resonance Imaging Changes in a Population Study of One Thousand Forty-Three Individuals. <i>Spine</i> , 2009, 34, 934-940.	2.0	682
3	A biodegradable polymer-based coating to control the performance of magnesium alloy orthopaedic implants. <i>Biomaterials</i> , 2010, 31, 2084-2096.	11.4	521
4	A Population-Based Study of Juvenile Disc Degeneration and Its Association with Overweight and Obesity, Low Back Pain, and Diminished Functional Status. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, 662-670.	3.0	250
5	Strontium Promotes Osteogenic Differentiation of Mesenchymal Stem Cells Through the Ras/MAPK Signaling Pathway. <i>Cellular Physiology and Biochemistry</i> , 2009, 23, 165-174.	1.6	245
6	The association of lumbar intervertebral disc degeneration on magnetic resonance imaging with body mass index in overweight and obese adults: A population-based study. <i>Arthritis and Rheumatism</i> , 2012, 64, 1488-1496.	6.7	229
7	Modic changes of the lumbar spine: prevalence, risk factors, and association with disc degeneration and low back pain in a large-scale population-based cohort. <i>Spine Journal</i> , 2016, 16, 32-41.	1.3	192
8	Prevalence, Distribution, and Morphology of Ossification of the Ligamentum Flavum. <i>Spine</i> , 2010, 35, 51-56.	2.0	183
9	Regulation of macrophage polarization through surface topography design to facilitate implant-to-bone osteointegration. <i>Science Advances</i> , 2021, 7, .	10.3	176
10	Surviving Endoplasmic Reticulum Stress Is Coupled to Altered Chondrocyte Differentiation and Function. <i>PLoS Biology</i> , 2007, 5, e44.	5.6	167
11	Regeneration of intervertebral disc by mesenchymal stem cells: potentials, limitations, and future direction. <i>European Spine Journal</i> , 2006, 15, 406-413.	2.2	162
12	Traditional Growing Rods Versus Magnetically Controlled Growing Rods for the Surgical Treatment of Early-Onset Scoliosis: A Case-Matched 2-Year Study. <i>Spine Deformity</i> , 2014, 2, 493-497.	1.5	144
13	Precisely controlled delivery of magnesium ions thru sponge-like monodisperse PLGA/nano-MgO-alginate core-shell microsphere device to enable in-situ bone regeneration. <i>Biomaterials</i> , 2018, 174, 1-16.	11.4	140
14	Mesenchymal Stem Cells Arrest Intervertebral Disc Degeneration Through Chondrocytic Differentiation and Stimulation of Endogenous Cells. <i>Molecular Therapy</i> , 2009, 17, 1959-1966.	8.2	134
15	Association of the Asporin D14 Allele with Lumbar-Disc Degeneration in Asians. <i>American Journal of Human Genetics</i> , 2008, 82, 744-747.	6.2	132
16	Genetics of disc degeneration. <i>European Spine Journal</i> , 2006, 15, 317-325.	2.2	127
17	ISSLS Prize Winner: Prevalence, Determinants, and Association of Schmorl Nodes of the Lumbar Spine With Disc Degeneration. <i>Spine</i> , 2010, 35, 1944-1952.	2.0	126
18	Lumbar disc degeneration is linked to a carbohydrate sulfotransferase 3 variant. <i>Journal of Clinical Investigation</i> , 2013, 123, 4909-4917.	8.2	126

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19	The TRP2 Allele of COL9A2 is an Age-Dependent Risk Factor for the Development and Severity of Intervertebral Disc Degeneration. <i>Spine</i> , 2005, 30, 2735-2742.	2.0	124
20	Association of the Taq I Allele in Vitamin D Receptor With Degenerative Disc Disease and Disc Bulge in a Chinese Population. <i>Spine</i> , 2006, 31, 1143-1148.	2.0	123
21	TRPM7 kinase-mediated immunomodulation in macrophage plays a central role in magnesium ion-induced bone regeneration. <i>Nature Communications</i> , 2021, 12, 2885.	12.8	118
22	Clinical Effectiveness of School Screening for Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2010, 35, 1607-1614.	2.0	114
23	Low-modulus Mg/PCL hybrid bone substitute for osteoporotic fracture fixation. <i>Biomaterials</i> , 2013, 34, 7016-7032.	11.4	112
24	Injury-induced sequential transformation of notochordal nucleus pulposus to chondrogenic and fibrocartilaginous phenotype in the mouse. <i>Journal of Pathology</i> , 2009, 218, 113-121.	4.5	109
25	Reliability and Concurrent Validity of the Adapted Chinese Version of Scoliosis Research Society-22 (SRS-22) Questionnaire. <i>Spine</i> , 2007, 32, 1141-1145.	2.0	103
26	In vivo stimulation of bone formation by aluminum and oxygen plasma surface-modified magnesium implants. <i>Biomaterials</i> , 2013, 34, 9863-9876.	11.4	99
27	In vitro generation of an osteochondral interface from mesenchymal stem cell-collagen microspheres. <i>Biomaterials</i> , 2011, 32, 1526-1535.	11.4	97
28	Assessment of Scoliosis Correction in Relation to Flexibility Using the Fulcrum Bending Correction Index. <i>Spine</i> , 1998, 23, 2303-2307.	2.0	91
29	Genetic Association Studies in Lumbar Disc Degeneration: A Systematic Review. <i>PLoS ONE</i> , 2012, 7, e49995.	2.5	90
30	Mesenchymal Stem Cells Reduce Intervertebral Disc Fibrosis and Facilitate Repair. <i>Stem Cells</i> , 2014, 32, 2164-2177.	3.2	84
31	Neurologic Outcomes of Complex Adult Spinal Deformity Surgery. <i>Spine</i> , 2016, 41, 204-212.	2.0	84
32	A functionalized TiO <sub>2</sub> /Mg <sub>2</sub> TiO <sub>4</sub> nano-layer on biodegradable magnesium implant enables superior bone-implant integration and bacterial disinfection. <i>Biomaterials</i> , 2019, 219, 119372.	11.4	84
33	Unplanned Reoperations in Magnetically Controlled Growing Rod Surgery for Early Onset Scoliosis With a Minimum of Two-Year Follow-Up. <i>Spine</i> , 2017, 42, E1410-E1414.	2.0	82
34	A Systematic Review of the Safety and Efficacy of Mesenchymal Stem Cells for Disc Degeneration: Insights and Future Directions for Regenerative Therapeutics. <i>Stem Cells and Development</i> , 2014, 23, 2553-2567.	2.1	79
35	A meta-analysis identifies adolescent idiopathic scoliosis association with <i>LBX1</i> locus in multiple ethnic groups. <i>Journal of Medical Genetics</i> , 2014, 51, 401-406.	3.2	79
36	Phenotype profiling of Modic changes of the lumbar spine and its association with other MRI phenotypes: a large-scale population-based study. <i>Spine Journal</i> , 2015, 15, 1933-1942.	1.3	79

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37	Decellularization of Chondrocyte-Encapsulated Collagen Microspheres: A Three-Dimensional Model to Study the Effects of Acellular Matrix on Stem Cell Fate. <i>Tissue Engineering - Part C: Methods</i> , 2009, 15, 697-706.	2.1	76
38	In search of nucleus pulposus-specific molecular markers. <i>Rheumatology</i> , 2014, 53, 600-610.	1.9	76
39	Genetic susceptibility of intervertebral disc degeneration among young Finnish adults. <i>BMC Medical Genetics</i> , 2011, 12, 153.	2.1	73
40	Histological and reference system for the analysis of mouse intervertebral disc. <i>Journal of Orthopaedic Research</i> , 2018, 36, 233-243.	2.3	72
41	Outcome assessment of bracing in adolescent idiopathic scoliosis by the use of the SRS-22 questionnaire. <i>International Orthopaedics</i> , 2007, 31, 507-511.	1.9	71
42	Effect of Severity of Intervertebral Disc Injury on Mesenchymal Stem Cell-Based Regeneration. <i>Connective Tissue Research</i> , 2008, 49, 15-21.	2.3	69
43	Regulation of extracellular bioactive cations in bone tissue microenvironment induces favorable osteoimmune conditions to accelerate in situ bone regeneration. <i>Bioactive Materials</i> , 2021, 6, 2315-2330.	15.6	69
44	Refined Phenotyping of Modic Changes. <i>Medicine (United States)</i> , 2016, 95, e3495.	1.0	68
45	Management of Degenerative Disk Disease and Chronic Low Back Pain. <i>Orthopedic Clinics of North America</i> , 2011, 42, 513-528.	1.2	66
46	Adeno-associated virus-mediated bone morphogenetic protein-4 gene therapy for in vivo bone formation. <i>Biochemical and Biophysical Research Communications</i> , 2003, 308, 636-645.	2.1	65
47	SNP rs11190870 near LBX1 is associated with adolescent idiopathic scoliosis in southern Chinese. <i>Journal of Human Genetics</i> , 2012, 57, 244-246.	2.3	64
48	Are "Patterns" of Lumbar Disc Degeneration Associated With Low Back Pain?. <i>Spine</i> , 2012, 37, E430-E438.	2.0	64
49	Decellularized bovine intervertebral disc as a natural scaffold for xenogenic cell studies. <i>Acta Biomaterialia</i> , 2013, 9, 5262-5272.	8.3	64
50	Special Article: Update on the Magnetically Controlled Growing Rod: Tips and Pitfalls. <i>Journal of Orthopaedic Surgery</i> , 2015, 23, 383-390.	1.0	63
51	A population-based cohort study of 394,401 children followed for 10 years exhibits sustained effectiveness of scoliosis screening. <i>Spine Journal</i> , 2015, 15, 825-833.	1.3	63
52	Novel diagnostic and prognostic methods for disc degeneration and low back pain. <i>Spine Journal</i> , 2015, 15, 1919-1932.	1.3	62
53	Mean 6-Year Follow-up of Magnetically Controlled Growing Rod Patients With Early Onset Scoliosis: A Glimpse of What Happens to Graduates. <i>Neurosurgery</i> , 2019, 84, 1112-1123.	1.1	62
54	Assessment of glycosaminoglycan distribution in human lumbar intervertebral discs using chemical exchange saturation transfer at 3 T: feasibility and initial experience. <i>NMR in Biomedicine</i> , 2011, 24, 1137-1144.	2.8	60

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55	Sequential activation of heterogeneous macrophage phenotypes is essential for biomaterials-induced bone regeneration. <i>Biomaterials</i> , 2021, 276, 121038.	11.4	60
56	The Effect of Pinealectomy on Scoliosis Development in Young Nonhuman Primates. <i>Spine</i> , 2005, 30, 2009-2013.	2.0	58
57	In vivo new bone formation by direct transfer of adenoviral-mediated bone morphogenetic protein-4 gene. <i>Biochemical and Biophysical Research Communications</i> , 2002, 298, 121-127.	2.1	57
58	Matrix Remodeling During Intervertebral Disc Growth and Degeneration Detected by Multichromatic FAST Staining. <i>Journal of Histochemistry and Cytochemistry</i> , 2009, 57, 249-256.	2.5	56
59	Recent advances in the aetiology of adolescent idiopathic scoliosis. <i>International Orthopaedics</i> , 2008, 32, 729-734.	1.9	55
60	Rod Lengthening With the Magnetically Controlled Growing Rod. <i>Spine</i> , 2018, 43, E399-E405.	2.0	54
61	An externally fixed femoral fracture model for mice. <i>Journal of Orthopaedic Research</i> , 2003, 21, 685-690.	2.3	53
62	Two subtypes of intervertebral disc degeneration distinguished by large-scale population-based study. <i>Spine Journal</i> , 2016, 16, 1079-1089.	1.3	51
63	Reducing radiation exposure in early-onset scoliosis surgery patients: novel use of ultrasonography to measure lengthening in magnetically-controlled growing rods. <i>Spine Journal</i> , 2014, 14, 2397-2404.	1.3	49
64	Intervertebral disc degeneration: New insights based on "skipped" level disc pathology. <i>Arthritis and Rheumatism</i> , 2010, 62, 2392-2400.	6.7	48
65	The relationship between disc degeneration, low back pain, and human pain genetics. <i>Spine Journal</i> , 2010, 10, 958-960.	1.3	48
66	Functionalized Polymeric Membrane with Enhanced Mechanical and Biological Properties to Control the Degradation of Magnesium Alloy. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601269.	7.6	46
67	Reduction of Disc Space Distraction After Anterior Lumbar Interbody Fusion With Autologous Iliac Crest Graft. <i>Spine</i> , 2003, 28, 1385-1389.	2.0	45
68	Association between promoter -1607 polymorphism of MMP1 and Lumbar Disc Disease in Southern Chinese. <i>BMC Medical Genetics</i> , 2008, 9, 38.	2.1	44
69	Referral Criteria for School Scoliosis Screening. <i>Spine</i> , 2010, 35, E1492-E1498.	2.0	42
70	Intrinsic Properties of Mesenchymal Stem Cells from Human Bone Marrow, Umbilical Cord and Umbilical Cord Blood Comparing the Different Sources of MSC. <i>Current Stem Cell Research and Therapy</i> , 2012, 7, 389-399.	1.3	41
71	Nanostructure of collagen fibrils in human nucleus pulposus and its correlation with macroscale tissue mechanics. <i>Journal of Orthopaedic Research</i> , 2010, 28, 497-502.	2.3	40
72	Prognosis of spontaneous thoracic curve correction after the selective anterior fusion of thoracolumbar/lumbar (Lenke 5C) curves in idiopathic scoliosis. <i>Spine Journal</i> , 2014, 14, 1117-1124.	1.3	40

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73	Rare coding variants in <i>MAPK7</i> predispose to adolescent idiopathic scoliosis. <i>Human Mutation</i> , 2017, 38, 1500-1510.	2.5	39
74	Expression of the Trp2 Allele of COL9A2 Is Associated With Alterations in the Mechanical Properties of Human Intervertebral Discs. <i>Spine</i> , 2007, 32, 2820-2826.	2.0	38
75	Phenotype variations affect genetic association studies of degenerative disc disease: conclusions of analysis of genetic association of 58 single nucleotide polymorphisms with highly specific phenotypes for disc degeneration in 332 subjects. <i>Spine Journal</i> , 2013, 13, 1309-1320.	1.3	38
76	A surface-engineered multifunctional TiO <sub>2</sub> based nano-layer simultaneously elevates the corrosion resistance, osteoconductivity and antimicrobial property of a magnesium alloy. <i>Acta Biomaterialia</i> , 2019, 99, 495-513.	8.3	38
77	Rapid bacterial elimination achieved by sonodynamic Au@Cu <sub>2</sub> O hybrid nanocubes. <i>Nanoscale</i> , 2021, 13, 15699-15710.	5.6	38
78	Coupling Between Sagittal and Frontal Plane Deformity Correction in Idiopathic Thoracic Scoliosis and Its Relationship With Postoperative Sagittal Alignment. <i>Spine</i> , 2010, 35, 1158-1164.	2.0	37
79	Cryopreserved intervertebral disc with injected bone marrow-derived stromal cells: a feasibility study using organ culture. <i>Spine Journal</i> , 2010, 10, 486-496.	1.3	37
80	Ultrashort time echo MRI of the cartilaginous endplate: Technique and association with intervertebral disc degeneration. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2013, 57, 427-434.	1.8	35
81	A comparison of intravenous and intradiscal delivery of multipotential stem cells on the healing of injured intervertebral disk. <i>Journal of Orthopaedic Research</i> , 2014, 32, 819-825.	2.3	35
82	Genome-wide meta-analysis and replication studies in multiple ethnicities identify novel adolescent idiopathic scoliosis susceptibility loci. <i>Human Molecular Genetics</i> , 2018, 27, 3986-3998.	2.9	34
83	Silver nanoparticles alter proteoglycan expression in the promotion of tendon repair. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1375-1383.	3.3	33
84	Enhanced Near-Infrared Photocatalytic Eradication of MRSA Biofilms and Osseointegration Using Oxide Perovskite-Based p-n Heterojunction. <i>Advanced Science</i> , 2021, 8, e2002211.	11.2	33
85	Divalent metal cations stimulate skeleton interoception for new bone formation in mouse injury models. <i>Nature Communications</i> , 2022, 13, 535.	12.8	33
86	Incidence and risk factors of postoperative neurologic decline after complex adult spinal deformity surgery: results of the Scolio-RISK-1 study. <i>Spine Journal</i> , 2018, 18, 1733-1740.	1.3	32
87	Age-related diffusion patterns in human lumbar intervertebral discs: a pilot study in asymptomatic subjects. <i>Magnetic Resonance Imaging</i> , 2012, 30, 181-188.	1.8	31
88	Coupling of small leucine-rich proteoglycans to hypoxic survival of a progenitor cell-like subpopulation in Rhesus Macaque intervertebral disc. <i>Biomaterials</i> , 2013, 34, 6548-6558.	11.4	31
89	Biomimicking Bone Implant Interface Facilitates the Bioadaptation of a New Degradable Magnesium Alloy to the Bone Tissue Microenvironment. <i>Advanced Science</i> , 2021, 8, e2102035.	11.2	31
90	A new risk classification rule for curve progression in adolescent idiopathic scoliosis. <i>Spine Journal</i> , 2012, 12, 989-995.	1.3	30

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91	Complications following surgery for adolescent idiopathic scoliosis over a 13-year period. Bone and Joint Journal, 2020, 102-B, 519-523.	4.4	30
92	Effect of Melatonin Suppression on Scoliosis Development in Chickens by Either Constant Light or Surgical Pinealectomy. Spine, 2003, 28, 1941-1944.	2.0	29
93	Genetic susceptibility of lumbar degenerative disc disease in young Indian adults. European Spine Journal, 2015, 24, 1969-1975.	2.2	29
94	Costs of School Scoliosis Screening. Spine, 2010, 35, 2266-2272.	2.0	28
95	The Proximal Thoracic Curve in Adolescent Idiopathic Scoliosis: Surgical Strategy and Management Outcomes. Global Spine Journal, 2011, 1, 027-036.	2.3	27
96	Characterization and Predictive Value of Segmental Curve Flexibility in Adolescent Idiopathic Scoliosis Patients. Spine, 2017, 42, 1622-1628.	2.0	27
97	Mapping the SRS-22r questionnaire onto the EQ-5D-5L utility score in patients with adolescent idiopathic scoliosis. PLoS ONE, 2017, 12, e0175847.	2.5	27
98	Stepwise 3D-spatio-temporal magnesium cationic niche: Nanocomposite scaffold mediated microenvironment for modulating intramembranous ossification. Bioactive Materials, 2021, 6, 503-519.	15.6	27
99	Predictors of Health-Related Quality-of-Life After Complex Adult Spinal Deformity Surgery: A Scolio-RISK-1 Secondary Analysis. Spine Deformity, 2017, 5, 139-144.	1.5	26
100	Lumbar high-intensity zones on MRI: imaging biomarkers for severe, prolonged low back pain and sciatica in a population-based cohort. Spine Journal, 2020, 20, 1025-1034.	1.3	26
101	Combination of adeno-associated virus and adenovirus vectors expressing bone morphogenetic protein-2 produces enhanced osteogenic activity in immunocompetent rats. Biochemical and Biophysical Research Communications, 2004, 317, 675-681.	2.1	25
102	Contribution of the <i>in situ</i> release of endogenous cations from xenograft bone driven by fluoride incorporation toward enhanced bone regeneration. Biomaterials Science, 2018, 6, 2951-2964.	5.4	25
103	The UTE Disc Sign on MRI. Spine, 2018, 43, 503-511.	2.0	24
104	Selection of fusion levels using the fulcrum bending radiograph for the management of adolescent idiopathic scoliosis patients with alternate level pedicle screw strategy: clinical decision-making and outcomes. PLoS ONE, 2015, 10, e0120302.	2.5	23
105	Reproducibility of thoracic kyphosis measurements in patients with adolescent idiopathic scoliosis. Scoliosis and Spinal Disorders, 2017, 12, 4.	2.3	22
106	A tailored positively-charged hydrophobic surface reduces the risk of implant associated infections. Acta Biomaterialia, 2020, 114, 421-430.	8.3	22
107	Etiology of developmental spinal stenosis: A genome-wide association study. Journal of Orthopaedic Research, 2018, 36, 1262-1268.	2.3	22
108	Stem Cell-Based Approaches for Intervertebral Disc Regeneration. Current Stem Cell Research and Therapy, 2011, 6, 317-326.	1.3	21



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109	An Analysis of the Incidence and Outcomes of Major Versus Minor Neurological Decline After Complex Adult Spinal Deformity Surgery. <i>Spine</i> , 2018, 43, 905-912.	2.0	20
110	Tissue Engineering for Intervertebral Disk Degeneration. <i>Orthopedic Clinics of North America</i> , 2011, 42, 575-583.	1.2	19
111	Systematic study of cell isolation from bovine nucleus pulposus: Improving cell yield and experiment reliability. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1743-1755.	2.3	19
112	Primary Thoracolumbar Scoliosis in Pinealectomized Chickens. <i>Spine</i> , 2003, 28, 2499-2504.	2.0	17
113	Key-Vertebral Screws Strategy for Main Thoracic Curve Correction in Patients With Adolescent Idiopathic Scoliosis. <i>Clinical Spine Surgery</i> , 2016, 29, E434-E441.	1.3	17
114	Time-Dependent Response of Scoliotic Curvature to Orthotic Intervention. <i>Spine</i> , 2014, 39, 1408-1416.	2.0	16
115	Micro- and Nanohemispherical 3D Imprints Modulate the Osteogenic Differentiation and Mineralization Tendency of Bone Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35513-35524.	8.0	16
116	Systematic investigation of metallosis associated with magnetically controlled growing rod implantation for early-onset scoliosis. <i>Bone and Joint Journal</i> , 2020, 102-B, 1375-1383.	4.4	16
117	Transformation of resident notochordâ€descendent nucleus pulposus cells in mouse injuryâ€induced fibrotic intervertebral discs. <i>Aging Cell</i> , 2020, 19, e13254.	6.7	16
118	Minimizing cryopreservation-induced loss of disc cell activity for storage of whole intervertebral discs. , 2010, 19, 273-283.		16
119	The â€œX-Factorâ€Index: a new parameter for the assessment of adolescent idiopathic scoliosis correction. <i>European Spine Journal</i> , 2011, 20, 144-150.	2.2	15
120	Evolution and Advancement of Adult Spinal Deformity Research and Clinical Care: An Overview of the Scolio-RISK-1 Study. <i>Global Spine Journal</i> , 2019, 9, 8S-14S.	2.3	14
121	Bone morphogenetic protein-2 and -7 mediate the anabolic function of nucleus pulposus cells with discrete mechanisms. <i>Connective Tissue Research</i> , 2017, 58, 573-585.	2.3	13
122	Patient-Reported Outcomes After Complex Adult Spinal Deformity Surgery: 5-Year Results of the Scolio-Risk-1 Study. <i>Global Spine Journal</i> , 2022, 12, 1736-1744.	2.3	13
123	In-vivo demonstration of the effectiveness of thoracoscopic anterior release using the fulcrum-bending radiograph: a report of five cases. <i>European Spine Journal</i> , 2006, 15, 578-582.	2.2	12
124	How Reliable Are the Reported Genetic Associations in Disc Degeneration?. <i>Spine</i> , 2016, 41, 1649-1660.	2.0	12
125	The profile of the spinal column in subjects with lumbar developmental spinal stenosis. <i>Bone and Joint Journal</i> , 2021, 103-B, 725-733.	4.4	10
126	Magnesium cationic cue enriched interfacial tissue microenvironment nurtures the osseointegration of gamma-irradiated allograft bone. <i>Bioactive Materials</i> , 2022, 10, 32-47.	15.6	10



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127	A splice site mutation leads to haploinsufficiency of <i>EXT2</i> mRNA for a dominant trait in a large family with multiple osteochondromas. <i>Journal of Orthopaedic Research</i> , 2010, 28, 1522-1530.	2.3	9
128	Ionizing radiation exposure and the development of intervertebral disc degeneration in humans: myth or reality. <i>Spine Journal</i> , 2011, 11, 979-982.	1.3	9
129	The effect of magnetically controlled growing rods on three-dimensional changes in deformity correction. <i>Spine Deformity</i> , 2020, 8, 537-546.	1.5	9
130	The Effect of Tobacco Smoking on Adverse Events Following Adult Complex Deformity Surgery. <i>Spine</i> , 2020, 45, 32-37.	2.0	8
131	The Use of a Modified Fulcrum for Fulcrum Bending Radiographs: A Technical Note. <i>Journal of Orthopaedic Surgery</i> , 2014, 22, 248-251.	1.0	6
132	A New Halo-Pelvic Apparatus. <i>Spine</i> , 2003, 28, 305-308.	2.0	5
133	Understanding the Basis of Genetic Studies: Adolescent Idiopathic Scoliosis as an Example. <i>Spine Deformity</i> , 2014, 2, 1-9.	1.5	5
134	Comparable clinical and radiological outcomes between skipped-level and all-level plating for open-door laminoplasty. <i>European Spine Journal</i> , 2018, 27, 1365-1374.	2.2	5
135	Unilateral versus bilateral lower extremity motor deficit following complex adult spinal deformity surgery: is there a difference in recovery up to 2-year follow-up?. <i>Spine Journal</i> , 2019, 19, 395-402.	1.3	4
136	Does curve pattern impact on the effects of physiotherapeutic scoliosis specific exercises on Cobb angles of participants with adolescent idiopathic scoliosis: A prospective clinical trial with two years follow-up. <i>PLoS ONE</i> , 2021, 16, e0245829.	2.5	4
137	The Scoli-RISK 1 results of lower extremity motor function 5 years after complex adult spinal deformity surgery. <i>European Spine Journal</i> , 2021, 30, 3243-3254.	2.2	3
138	Comment on Karatoprak et al.: Comparative analysis of pedicle screw versus hybrid instrumentation in adolescent idiopathic scoliosis surgery. <i>International Orthopaedics</i> , 2008, 32, 529-529.	1.9	2
139	AO Spine Adult Spinal Deformity Patient Profile: A Paradigm Shift in Comprehensive Patient Evaluation in Order to Optimize Treatment and Improve Patient Care. <i>Global Spine Journal</i> , 2023, 13, 1490-1501.	2.3	2
140	A Radiographic Analysis of Lumbar Fusion Status and Instrumentation Failure After Complex Adult Spinal Deformity Surgery With Spinopelvic Fixation. <i>Clinical Spine Surgery</i> , 2020, 33, E545-E552.	1.3	2
141	Impact of New Motor Deficit on HRQOL After Adult Spinal Deformity Surgery. <i>Spine</i> , 2021, 46, E450-E457.	2.0	2
142	Samartzis et al. respond. <i>Spine Journal</i> , 2013, 13, 226-228.	1.3	1
143	Article Commentary: "Symptomatic Triple-Region Spinal Stenosis Treated with Simultaneous Surgery: Case Report and Review of the Literature": <i>Global Spine Journal</i> , 2015, 5, 522-522.	2.3	1
144	Knowledge Gaps in Biophysical Changes After Powered Robotic Exoskeleton Walking by Individuals With Spinal Cord Injury: A Scoping Review. <i>Frontiers in Neurology</i> , 2022, 13, 792295.	2.4	1

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145	Genetics of Lumbar Disk Degeneration. , 2016, , 67-88.		0
146	THE ROLE OF BMP IN BONE INCORPORATION. , 2001, , 419-433.		0