

# Kenneth M C Cheung

## List of Publications by Year in descending order

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146  
papers

9,847  
citations

28274

55  
h-index

39675

94  
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151  
all docs

151  
docs citations

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times ranked

9822  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Divalent metal cations stimulate skeleton interoception for new bone formation in mouse injury models. <i>Nature Communications</i> , 2022, 13, 535.	12.8	33
5	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
6	Stepwise 3D-spatio-temporal magnesium cationic niche: Nanocomposite scaffold mediated microenvironment for modulating intramembranous ossification. <i>Bioactive Materials</i> , 2021, 6, 503-519.	15.6	27
7	Rapid bacterial elimination achieved by sonodynamic Au@Cu <sub>2</sub> O hybrid nanocubes. <i>Nanoscale</i> , 2021, 13, 15699-15710.	5.6	38
8	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
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	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
11	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
12	The Scolio-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
13	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
14	Sequential activation of heterogeneous macrophage phenotypes is essential for biomaterials-induced bone regeneration. <i>Biomaterials</i> , 2021, 276, 121038.	11.4	60
15	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
16	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
17	Impact of New Motor Deficit on HRQOL After Adult Spinal Deformity Surgery. <i>Spine</i> , 2021, 46, E450-E457.	2.0	2
18	The Effect of Tobacco Smoking on Adverse Events Following Adult Complex Deformity Surgery. <i>Spine</i> , 2020, 45, 32-37.	2.0	8

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19	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
20	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
21	A tailored positively-charged hydrophobic surface reduces the risk of implant associated infections. <i>Acta Biomaterialia</i> , 2020, 114, 421-430.	8.3	22
22	Complications following surgery for adolescent idiopathic scoliosis over a 13-year period. <i>Bone and Joint Journal</i> , 2020, 102-B, 519-523.	4.4	30
23	Lumbar high-intensity zones on MRI: imaging biomarkers for severe, prolonged low back pain and sciatica in a population-based cohort. <i>Spine Journal</i> , 2020, 20, 1025-1034.	1.3	26
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	Histological and reference system for the analysis of mouse intervertebral disc. <i>Journal of Orthopaedic Research</i> , 2018, 36, 233-243.	2.3	72
33	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
34	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
35	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
36	Rod Lengthening With the Magnetically Controlled Growing Rod. <i>Spine</i> , 2018, 43, E399-E405.	2.0	54

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37	The UTE Disc Sign on MRI. <i>Spine</i> , 2018, 43, 503-511.	2.0	24
38	Contribution of the <i>in situ</i> release of endogenous cations from xenograft bone driven by fluoride incorporation toward enhanced bone regeneration. <i>Biomaterials Science</i> , 2018, 6, 2951-2964.	5.4	25
39	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
40	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
41	Etiology of developmental spinal stenosis: A genome-wide association study. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1262-1268.	2.3	22
42	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
43	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
44	Characterization and Predictive Value of Segmental Curve Flexibility in Adolescent Idiopathic Scoliosis Patients. <i>Spine</i> , 2017, 42, 1622-1628.	2.0	27
45	Predictors of Health-Related Quality-of-Life After Complex Adult Spinal Deformity Surgery: A Scolio-RISK-1 Secondary Analysis. <i>Spine Deformity</i> , 2017, 5, 139-144.	1.5	26
46	Rare coding variants in <i>MAPK7</i> predispose to adolescent idiopathic scoliosis. <i>Human Mutation</i> , 2017, 38, 1500-1510.	2.5	39
47	Reproducibility of thoracic kyphosis measurements in patients with adolescent idiopathic scoliosis. <i>Scoliosis and Spinal Disorders</i> , 2017, 12, 4.	2.3	22
48	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
49	Mapping the SRS-22r questionnaire onto the EQ-5D-5L utility score in patients with adolescent idiopathic scoliosis. <i>PLoS ONE</i> , 2017, 12, e0175847.	2.5	27
50	Neurologic Outcomes of Complex Adult Spinal Deformity Surgery. <i>Spine</i> , 2016, 41, 204-212.	2.0	84
51	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
52	Two subtypes of intervertebral disc degeneration distinguished by large-scale population-based study. <i>Spine Journal</i> , 2016, 16, 1079-1089.	1.3	51
53	How Reliable Are the Reported Genetic Associations in Disc Degeneration?. <i>Spine</i> , 2016, 41, 1649-1660.	2.0	12
54	Refined Phenotyping of Modic Changes. <i>Medicine (United States)</i> , 2016, 95, e3495.	1.0	68

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55	Genetics of Lumbar Disk Degeneration. , 2016, , 67-88.		0
56	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. Spine Journal, 2016, 16, 32-41.	1.3	192
57	Article Commentary: "Symptomatic Triple-Region Spinal Stenosis Treated with Simultaneous Surgery: Case Report and Review of the Literature" Global Spine Journal, 2015, 5, 522-522.	2.3	1
58	Special Article: Update on the Magnetically Controlled Growing Rod: Tips and Pitfalls. Journal of Orthopaedic Surgery, 2015, 23, 383-390.	1.0	63
59	Systematic study of cell isolation from bovine nucleus pulposus: Improving cell yield and experiment reliability. Journal of Orthopaedic Research, 2015, 33, 1743-1755.	2.3	19
60	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
61	Genetic susceptibility of lumbar degenerative disc disease in young Indian adults. European Spine Journal, 2015, 24, 1969-1975.	2.2	29
62	Phenotype profiling of Modic changes of the lumbar spine and its association with other MRI phenotypes: a large-scale population-based study. Spine Journal, 2015, 15, 1933-1942.	1.3	79
63	A population-based cohort study of 394,401 children followed for 10 years exhibits sustained effectiveness of scoliosis screening. Spine Journal, 2015, 15, 825-833.	1.3	63
64	Novel diagnostic and prognostic methods for disc degeneration and low back pain. Spine Journal, 2015, 15, 1919-1932.	1.3	62
65	In search of nucleus pulposus-specific molecular markers. Rheumatology, 2014, 53, 600-610.	1.9	76
66	Time-Dependent Response of Scoliotic Curvature to Orthotic Intervention. Spine, 2014, 39, 1408-1416.	2.0	16
67	Silver nanoparticles alter proteoglycan expression in the promotion of tendon repair. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1375-1383.	3.3	33
68	Concise Review: The Surface Markers and Identity of Human Mesenchymal Stem Cells. Stem Cells, 2014, 32, 1408-1419.	3.2	833
69	Reducing radiation exposure in early-onset scoliosis surgery patients: novel use of ultrasonography to measure lengthening in magnetically-controlled growing rods. Spine Journal, 2014, 14, 2397-2404.	1.3	49
70	Mesenchymal Stem Cells Reduce Intervertebral Disc Fibrosis and Facilitate Repair. Stem Cells, 2014, 32, 2164-2177.	3.2	84
71	A comparison of intravenous and intradiscal delivery of multipotential stem cells on the healing of injured intervertebral disk. Journal of Orthopaedic Research, 2014, 32, 819-825.	2.3	35
72	A Systematic Review of the Safety and Efficacy of Mesenchymal Stem Cells for Disc Degeneration: Insights and Future Directions for Regenerative Therapeutics. Stem Cells and Development, 2014, 23, 2553-2567.	2.1	79

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73	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
74	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
75	Understanding the Basis of Genetic Studies: Adolescent Idiopathic Scoliosis as an Example. <i>Spine Deformity</i> , 2014, 2, 1-9.	1.5	5
76	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
77	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
78	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
79	InÂvivo stimulation of bone formation by aluminum and oxygen plasma surface-modified magnesium implants. <i>Biomaterials</i> , 2013, 34, 9863-9876.	11.4	99
80	Low-modulus Mg/PCL hybrid bone substitute for osteoporotic fracture fixation. <i>Biomaterials</i> , 2013, 34, 7016-7032.	11.4	112
81	Decellularized bovine intervertebral disc as a natural scaffold for xenogenic cell studies. <i>Acta Biomaterialia</i> , 2013, 9, 5262-5272.	8.3	64
82	Samartzis et al. respond. <i>Spine Journal</i> , 2013, 13, 226-228.	1.3	1
83	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
84	Ultrashort timeâ€œecho 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
85	Lumbar disc degeneration is linked to a carbohydrate sulfotransferase 3 variant. <i>Journal of Clinical Investigation</i> , 2013, 123, 4909-4917.	8.2	126
86	SNP rs11190870 near <i>LBX1</i> is associated with adolescent idiopathic scoliosis in southern Chinese. <i>Journal of Human Genetics</i> , 2012, 57, 244-246.	2.3	64
87	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
88	Are â€œPatternsâ€œ of Lumbar Disc Degeneration Associated With Low Back Pain?. <i>Spine</i> , 2012, 37, E430-E438.	2.0	64
89	A new risk classification rule for curve progression in adolescent idiopathic scoliosis. <i>Spine Journal</i> , 2012, 12, 989-995.	1.3	30
90	Genetic Association Studies in Lumbar Disc Degeneration: A Systematic Review. <i>PLoS ONE</i> , 2012, 7, e49995.	2.5	90

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91	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
92	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
93	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
94	Management of Degenerative Disk Disease and Chronic Low Back Pain. <i>Orthopedic Clinics of North America</i> , 2011, 42, 513-528.	1.2	66
95	Tissue Engineering for Intervertebral Disk Degeneration. <i>Orthopedic Clinics of North America</i> , 2011, 42, 575-583.	1.2	19
96	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
97	The "X-Factor" Index: a new parameter for the assessment of adolescent idiopathic scoliosis correction. <i>European Spine Journal</i> , 2011, 20, 144-150.	2.2	15
98	Genetic susceptibility of intervertebral disc degeneration among young Finnish adults. <i>BMC Medical Genetics</i> , 2011, 12, 153.	2.1	73
99	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
100	In vitro generation of an osteochondral interface from mesenchymal stem cell-collagen microspheres. <i>Biomaterials</i> , 2011, 32, 1526-1535.	11.4	97
101	The Proximal Thoracic Curve in Adolescent Idiopathic Scoliosis: Surgical Strategy and Management Outcomes. <i>Global Spine Journal</i> , 2011, 1, 027-036.	2.3	27
102	Stem Cell-Based Approaches for Intervertebral Disc Regeneration. <i>Current Stem Cell Research and Therapy</i> , 2011, 6, 317-326.	1.3	21
103	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
104	Costs of School Scoliosis Screening. <i>Spine</i> , 2010, 35, 2266-2272.	2.0	28
105	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
106	Clinical Effectiveness of School Screening for Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2010, 35, 1607-1614.	2.0	114
107	Referral Criteria for School Scoliosis Screening. <i>Spine</i> , 2010, 35, E1492-E1498.	2.0	42
108	Prevalence, Distribution, and Morphology of Ossification of the Ligamentum Flavum. <i>Spine</i> , 2010, 35, 51-56.	2.0	183



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109	Intervertebral disc degeneration: New insights based on "skipped" level disc pathology. <i>Arthritis and Rheumatism</i> , 2010, 62, 2392-2400.	6.7	48
110	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
111	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
112	A biodegradable polymer-based coating to control the performance of magnesium alloy orthopaedic implants. <i>Biomaterials</i> , 2010, 31, 2084-2096.	11.4	521
113	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
114	The relationship between disc degeneration, low back pain, and human pain genetics. <i>Spine Journal</i> , 2010, 10, 958-960.	1.3	48
115	Minimizing cryopreservation-induced loss of disc cell activity for storage of whole intervertebral discs. , 2010, 19, 273-283.		16
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	Recent advances in the aetiology of adolescent idiopathic scoliosis. <i>International Orthopaedics</i> , 2008, 32, 729-734.	1.9	55
124	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
125	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
126	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



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127	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
128	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
129	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
130	Surviving Endoplasmic Reticulum Stress Is Coupled to Altered Chondrocyte Differentiation and Function. <i>PLoS Biology</i> , 2007, 5, e44.	5.6	167
131	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
132	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
133	Genetics of disc degeneration. <i>European Spine Journal</i> , 2006, 15, 317-325.	2.2	127
134	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
135	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
136	The Effect of Pinealectomy on Scoliosis Development in Young Nonhuman Primates. <i>Spine</i> , 2005, 30, 2009-2013.	2.0	58
137	Combination of adeno-associated virus and adenovirus vectors expressing bone morphogenetic protein-2 produces enhanced osteogenic activity in immunocompetent rats. <i>Biochemical and Biophysical Research Communications</i> , 2004, 317, 675-681.	2.1	25
138	An externally fixed femoral fracture model for mice. <i>Journal of Orthopaedic Research</i> , 2003, 21, 685-690.	2.3	53
139	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
140	Effect of Melatonin Suppression on Scoliosis Development in Chickens by Either Constant Light or Surgical Pinealectomy. <i>Spine</i> , 2003, 28, 1941-1944.	2.0	29
141	A New Halo-Pelvic Apparatus. <i>Spine</i> , 2003, 28, 305-308.	2.0	5
142	Primary Thoracolumbar Scoliosis in Pinealectomized Chickens. <i>Spine</i> , 2003, 28, 2499-2504.	2.0	17
143	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
144	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

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145	THE ROLE OF BMP IN BONE INCORPORATION. , 2001, , 419-433.		0
146	Assessment of Scoliosis Correction in Relation to Flexibility Using the Fulcrum Bending Correction Index. Spine, 1998, 23, 2303-2307.	2.0	91