Jack Chun-Yiu Cheng

List of Publications by Year
in descending order

335 papers	13,133 citations	20797 60 h-index	37183 96 g-index
349 all docs	349 docs citations	349 times ranked	7353 citing authors

#	Article	IF	Citations
1	Adolescent idiopathic scoliosis. Lancet, The, 2008, 371, 1527-1537.	6.3	968
2	Adolescent idiopathic scoliosis. Nature Reviews Disease Primers, 2015, 1, 15030.	18.1	329
3	The clinical presentation and outcome of treatment of congenital muscular torticollis in infantsâ€"A study of 1,086 cases. Journal of Pediatric Surgery, 2000, 35, 1091-1096.	0.8	239
4	Infantile Torticollis. Journal of Pediatric Orthopaedics, 1994, 14, 802-808.	0.6	229
5	Clinical Determinants of the Outcome of Manual Stretching in the Treatment of Congenital Muscular Torticollis in Infants. Journal of Bone and Joint Surgery - Series A, 2001, 83, 679-687.	1.4	226
6	Double-blind, controlled calcium supplementation and bone mineral accretion in children accustomed to a low-calcium diet. American Journal of Clinical Nutrition, 1994, 60, 744-750.	2.2	221
7	A follow-up study on the effects of calcium-supplement withdrawal and puberty on bone acquisition of children. American Journal of Clinical Nutrition, 1996, 64, 71-77.	2.2	191
8	Relative anterior spinal overgrowth in adolescent idiopathic scoliosis. Journal of Bone and Joint Surgery: British Volume, 2003, 85-B, 1026-1031.	3.4	175
9	Generalized Low Areal and Volumetric Bone Mineral Density in Adolescent Idiopathic Scoliosis. Journal of Bone and Mineral Research, 2000, 15, 1587-1595.	3.1	165
10	Closed Reduction and Percutaneous Pinning for Type III Displaced Supracondylar Fractures of the Humerus in Children. Journal of Orthopaedic Trauma, 1995, 9, 511-515.	0.7	150
11	The effect of hyaluronan on osteoblast proliferation and differentiation in rat calvarial-derived cell cultures. Journal of Biomedical Materials Research Part B, 2003, 66A, 880-884.	3.0	146
12	Mechanical properties of normal skin and hypertrophic scars. Burns, 1996, 22, 443-446.	1.1	139
13	Top Theories for the Etiopathogenesis of Adolescent Idiopathic Scoliosis. Journal of Pediatric Orthopaedics, 2011, 31, S14-S27.	0.6	134
14	A randomized double-blind controlled calcium supplementation trial, and bone height acquisition in children. British Journal of Nutrition, 1995, 74, 125-139.	1.2	131
15	Pressure therapy in the treatment of post-burn hypertrophic scarâ€"A critical look into its usefulness and fallacies by pressure monitoring. Burns, 1984, 10, 154-163.	1.1	128
16	The Chinese Visible Human (CVH) datasets incorporate technical and imaging advances on earlier digital humans. Journal of Anatomy, 2004, 204, 165-173.	0.9	127
17	The effect of backpack load on the gait of normal adolescent girls. Ergonomics, 2005, 48, 642-656.	1.1	127
18	Abnormal Peri-pubertal Anthropometric Measurements and Growth Pattern in Adolescent Idiopathic Scoliosis: A Study of 598 Patients. Spine, 2003, 28, 2152-2157.	1.0	126

#	Article	IF	Citations
19	Persistent Osteopenia in Adolescent Idiopathic Scoliosis. Spine, 1999, 24, 1218-1222.	1.0	125
20	Imaging of Musculoskeletal Tuberculosis: A New Look at an Old Disease. Clinical Orthopaedics and Related Research, 2002, 398, 32-39.	0.7	124
21	A Meta-Analysis of the Clinical Effectiveness of School Scoliosis Screening. Spine, 2010, 35, 1061-1071.	1.0	123
22	Melatonin Receptor 1B (MTNR1B) Gene Polymorphism Is Associated With the Occurrence of Adolescent Idiopathic Scoliosis. Spine, 2007, 32, 1748-1753.	1.0	122
23	Title is missing!. Journal of Pediatric Orthopaedics, 1999, 19, 344-350.	0.6	119
24	Balance Control in Adolescents With Idiopathic Scoliosis and Disturbed Somatosensory Function. Spine, 2006, 31, E437-E440.	1.0	114
25	Clinical Effectiveness of School Screening for Adolescent Idiopathic Scoliosis. Spine, 2010, 35, 1607-1614.	1.0	114
26	Rare variants in FBN1 and FBN2 are associated with severe adolescent idiopathic scoliosis. Human Molecular Genetics, 2014, 23, 5271-5282.	1.4	111
27	A reliability and validity study for Scolioscan: a radiation-free scoliosis assessment system using 3D ultrasound imaging. Scoliosis and Spinal Disorders, 2016, 11, 13.	2.3	110
28	Genome-wide association study identifies new susceptibility loci for adolescent idiopathic scoliosis in Chinese girls. Nature Communications, 2015, 6, 8355.	5.8	104
29	Osteopenia. Journal of Bone and Joint Surgery - Series A, 2005, 87, 2709-2716.	1.4	103
30	Association of osteopenia with curve severity in adolescent idiopathic scoliosis: a study of 919 girls. Osteoporosis International, 2005, 16, 1924-1932.	1.3	102
31	Sternocleidomastoid pseudotumor and congenital muscular torticollis in infants: A prospective study of 510 cases. Journal of Pediatrics, 1999, 134, 712-716.	0.9	99
32	The effect of backpack weight on the standing posture and balance of schoolgirls with adolescent idiopathic scoliosis and normal controls. Gait and Posture, 2006, 24, 173-181.	0.6	97
33	The Effect of Rigid Versus Flexible Spinal Orthosis on the Clinical Efficacy and Acceptance of the Patients With Adolescent Idiopathic Scoliosis. Spine, 2008, 33, 1360-1365.	1.0	97
34	Osteopenia in Adolescent Idiopathic Scoliosis. Spine, 1997, 22, 1716-1721.	1.0	94
35	Correlation Between Curve Severity, Somatosensory Evoked Potentials, and Magnetic Resonance Imaging in Adolescent Idiopathic Scoliosis. Spine, 1999, 24, 1679.	1.0	94
36	Discrepancy between radiographic shoulder balance and cosmetic shoulder balance in adolescent idiopathic scoliosis patients with double thoracic curve. European Spine Journal, 2009, 18, 45-51.	1.0	90

#	Article	IF	Citations
37	Promoter polymorphism of matrilin-1 gene predisposes to adolescent idiopathic scoliosis in a Chinese population. European Journal of Human Genetics, 2009, 17, 525-532.	1.4	89
38	Generalized Osteopenia in Adolescent Idiopathic Scoliosisâ€“Association With Abnormal Pubertal Growth, Bone Turnover, and Calcium Intake?. Spine, 2006, 31, 330-338.	1.0	87
39	Phytomolecule icaritin incorporated PLGA/TCP scaffold for steroid-associated osteonecrosis: Proof-of-concept for prevention of hip joint collapse in bipedal emus and mechanistic study in quadrupedal rabbits. Biomaterials, 2015, 59, 125-143.	5.7	87
40	Relative Shortening and Functional Tethering of Spinal Cord in Adolescent Idiopathic Scoliosis?. Spine, 2006, 31, E19-E25.	1.0	86
41	Three-Dimensional Characterization of Torsion and Asymmetry of the Intervertebral Discs Versus Vertebral Bodies in Adolescent Idiopathic Scoliosis. Spine, 2014, 39, E1159-E1166.	1.0	86
42	Decompression and Stable Internal Fixation of Femoral Neck Fractures in Children Can Affect the Outcome. Journal of Pediatric Orthopaedics, 1999, 19, 338-343.	0.6	86
43	Generalized low bone mass of girls with adolescent idiopathic scoliosis is related to inadequate calcium intake and weight bearing physical activity in peripubertal period. Osteoporosis International, 2005, 16, 1024-1035.	1.3	82
44	Bone mineral acquisition in low calcium intake children following the withdrawal of calcium supplement. Acta Paediatrica, International Journal of Paediatrics, 1997, 86, 570-576.	0.7	81
45	A Virtual-Reality Training System for Knee Arthroscopic Surgery. IEEE Transactions on Information Technology in Biomedicine, 2004, 8, 217-227.	3.6	80
46	A meta-analysis identifies adolescent idiopathic scoliosis association withLBX1locus in multiple ethnic groups. Journal of Medical Genetics, 2014, 51, 401-406.	1.5	79
47	Automatic Localization and Identification of Vertebrae in Spine CT via a Joint Learning Model with Deep Neural Networks. Lecture Notes in Computer Science, 2015, , 515-522.	1.0	78
48	Translation of the radius as a predictor of outcome in distal radial fractures of children. Journal of Bone and Joint Surgery: British Volume, 1993, 75-B, 808-811.	3.4	77
49	Joint Laxity in Children. Journal of Pediatric Orthopaedics, 1991, 11, 752-756.	0.6	74
50	Acute Elbow Trauma in Children. American Journal of Roentgenology, 2001, 176, 53-60.	1.0	73
51	Outcome of Surgical Treatment of Congenital Muscular Torticollis. Clinical Orthopaedics and Related Research, 1999, 362, 190???200.	0.7	72
52	PLGA/Î²-TCP composite scaffold incorporating salvianolic acid B promotes bone fusion by angiogenesis and osteogenesis in a rat spinal fusion model. Biomaterials, 2019, 196, 109-121.	5.7	69
53	Ultrasonography of congenital muscular torticollis. Pediatric Radiology, 1992, 22, 356-360.	1.1	67
54	Radiation dose of digital radiography (DR) versus micro-dose x-ray (EOS) on patients with adolescent idiopathic scoliosis: 2016 SOSORT- IRSSD â€œJohn Sevastic Awardâ€•Winner in Imaging Research. Scoliosis and Spinal Disorders, 2016, 11, 46.	2.3	67

#	Article	IF	Citations
55	A wearable exoskeleton suit for motion assistance to paralysed patients. Journal of Orthopaedic Translation, 2017, 11, 7-18.	1.9	67
56	Relative anterior spinal overgrowth in adolescent idiopathic scoliosisâ€"result of disproportionate endochondral-membranous bone growth?. European Spine Journal, 2005, 14, 862-873.	1.0	65
57	Polydactyly of the thumb: A surgical plan based on ninety-five cases. Journal of Hand Surgery, 1984, 9, 155-164.	0.7	64
58	Genetic Association of Complex Traits. Clinical Orthopaedics and Related Research, 2007, 462, 38-44.	0.7	64
59	The effects of pre-ejection period on post-exercise systolic blood pressure estimation using the pulse arrival time technique. European Journal of Applied Physiology, 2011, 111, 135-144.	1.2	63
60	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.	0.6	63
61	Dose-dependent effect of low-intensity pulsed ultrasound on callus formation during rapid distraction osteogenesis. Journal of Orthopaedic Research, 2006, 24, 2072-2079.	1.2	62
62	Angular and Rotational Profile of the Lower Limb in 2,630 Chinese Children. Journal of Pediatric Orthopaedics, 1991, 11, 154-161.	0.6	59
63	Genome-wide association study identifies novel susceptible loci and highlights Wnt/beta-catenin pathway in the development of adolescent idiopathic scoliosis. Human Molecular Genetics, 2017, 26, 1577-1583.	1.4	59
64	Correlation of ultrasonographic imaging of congenital muscular torticollis with clinical assessment in infants. Ultrasound in Medicine and Biology, 2000, 26, 1237-1241.	0.7	58
65	Patterns of bone diseases in transfusion-dependent homozygous thalassaemia major: predominance of osteoporosis and desferrioxamine-induced bone dysplasia. Pediatric Radiology, 2002, 32, 492-497.	1.1	58
66	Epidemiological Features of Supracondylar Fractures of the Humerus in Chinese Children. Journal of Pediatric Orthopaedics Part B, 2001, 10, 63-67.	0.3	58
67	An analysis of 1704 burn injuries in Hong Kong children. Burns, 1990, 16, 182-184.	1.1	56
68	A Relook Into the Association of the Estrogen Receptor Î± Gene (PvuII, XbaI) and Adolescent Idiopathic Scoliosis. Spine, 2006, 31, 2463-2468.	1.0	56
69	Impaired Dynamic Balance Control in Adolescents With Idiopathic Scoliosis and Abnormal Somatosensory Evoked Potentials. Journal of Pediatric Orthopaedics, 2008, 28, 846-849.	0.6	56
70	Automatic MRI segmentation and morphoanatomy analysis of the vestibular system in adolescent idiopathic scoliosis. NeuroImage, 2011, 54, S180-S188.	2.1	56
71	Low intensity pulsed ultrasound accelerated bone remodeling during consolidation stage of distraction osteogenesis. Journal of Orthopaedic Research, 2006, 24, 263-270.	1.2	55
72	Effect of whole body vibration (WBV) therapy on bone density and bone quality in osteopenic girls with adolescent idiopathic scoliosis: a randomized, controlled trial. Osteoporosis International, 2013, 24, 1623-1636.	1.3	55

#	Article	IF	Citations
73	Abnormal Leptin Bioavailability in Adolescent Idiopathic Scoliosis. Spine, 2012, 37, 599-604.	1.0	54
74	Dynamic Magnetic Resonance Imaging in Assessing Lung Volumes, Chest Wall, and Diaphragm Motions in Adolescent Idiopathic Scoliosis Versus Normal Controls. Spine, 2006, 31, 2243-2249.	1.0	53
75	Percutaneous Transphyseal Intramedullary Kirschner Wire Pinning: A Safe and Effective Procedure for Treatment of Displaced Diaphyseal Forearm Fracture in Children. Journal of Pediatric Orthopaedics, 2004, 24, 7-12.	0.6	52
76	Prognostic Value of Bone Mineral Density on Curve Progression: A Longitudinal Cohort Study of 513 Girls with Adolescent Idiopathic Scoliosis. Scientific Reports, 2016, 6, 39220.	1.6	52
77	Upright, prone, and supine spinal morphology and alignment in adolescent idiopathic scoliosis. Scoliosis and Spinal Disorders, 2017, 12, 6.	2.3	52
78	Age-related differences in volumetric bone mineral density, microarchitecture, and bone strength of distal radius and tibia in Chinese women: a high-resolution pQCT reference database study. Osteoporosis International, 2015, 26, 1691-1703.	1.3	50
79	Abnormal Bone Quality in Adolescent Idiopathic Scoliosis. Spine, 2011, 36, 1211-1217.	1.0	49
80	Percutaneous intramedullary Kirschner wiring for displaced diaphyseal forearm fractures in children. Journal of Bone and Joint Surgery: British Volume, 1998, 80, 91-94.	3.4	49
81	MRI evaluation of multifidus muscles in adolescent idiopathic scoliosis. Pediatric Radiology, 1999, 29, 360-363.	1.1	48
82	Adjusting Bone Mass for Differences in Projected Bone Area and Other Confounding Variables: An Allometric Perspective. Journal of Bone and Mineral Research, 2002, 17, 703-708.	3.1	48
83	Relative shortening and functional tethering of spinal cord in adolescent scoliosis â€“ Result of asynchronous neuro-osseous growth, summary of an electronic focus group debate of the IBSE. Scoliosis, 2008, 3, 8.	0.4	48
84	A comparison of treatment effectiveness between the CAD/CAM method and the manual method for managing adolescent idiopathic scoliosis. Prosthetics and Orthotics International, 2005, 29, 105-111.	0.5	47
85	A prospective randomized controlled study on the treatment outcome of SpineCor brace versus rigid brace for adolescent idiopathic scoliosis with follow-up according to the SRS standardized criteria. European Spine Journal, 2014, 23, 2650-2657.	1.0	47
86	The management of type III open tibial fractures. Injury, 1984, 16, 157-165.	0.7	46
87	Abnormal melatonin receptor 1B expression in osteoblasts from girls with adolescent idiopathic scoliosis. Journal of Pineal Research, 2011, 50, 395-402.	3.4	46
88	Biomechanical analysis and modeling of different vertebral growth patterns in adolescent idiopathic scoliosis and healthy subjects. Scoliosis, 2011, 6, 11.	0.4	46
89	Bone structural and mechanical indices in Adolescent Idiopathic Scoliosis evaluated by high-resolution peripheral quantitative computed tomography (HR-pQCT). Bone, 2014, 61, 109-115.	1.4	46
90	Complications of pressure therapy for post-burn hypertrophic scars. Burns, 1984, 10, 434-438.	1.1	45

#	Article	IF	Citations
91	Histomorphometric study of the spinal growth plates in idiopathic scoliosis and congenital scoliosis. Pediatrics International, 2006, 48, 591-598.	0.2	45
92	Resistive vibration exercise retards bone loss in weight-bearing skeletons during 60Âdays bed rest. Osteoporosis International, 2012, 23, 2169-2178.	1.3	45
93	Longitudinal Changes in Trunkal Balance After Selective Fusion of King II Curves in Adolescent Idiopathic Scoliosis. Spine, 2000, 25, 1352-1359.	1.0	44
94	The hypertrophic scar and microcirculation properties. Burns, 1996, 22, 447-450.	1.1	43
95	Snapping During Manual Stretching in Congenital Muscular Torticollis. Clinical Orthopaedics and Related Research, 2001, 384, 237-244.	0.7	43
96	Morphological and Functional Electrophysiological Evidence of Relative Spinal Cord Tethering in Adolescent Idiopathic Scoliosis. Spine, 2008, 33, 673-680.	1.0	43
97	Lower Muscle Mass and Body Fat in Adolescent Idiopathic Scoliosis Are Associated With Abnormal Leptin Bioavailability. Spine, 2016, 41, 940-946.	1.0	43
98	MR analysis of regional brain volume in adolescent idiopathic scoliosis: Neurological manifestation of a systemic disease. Journal of Magnetic Resonance Imaging, 2008, 27, 732-736.	1.9	42
99	Referral Criteria for School Scoliosis Screening. Spine, 2010, 35, E1492-E1498.	1.0	42
100	Genetic epidemiology and heritability of AIS: A study of 415 Chinese female patients. Journal of Orthopaedic Research, 2012, 30, 1464-1469.	1.2	42
101	Anterior Overgrowth in Primary Curves, Compensatory Curves and Junctional Segments in Adolescent Idiopathic Scoliosis. PLoS ONE, 2016, 11, e0160267.	1.1	42
102	Determinants of axial and peripheral bone mass in Chinese adolescents. Archives of Disease in Childhood, 1998, 78, 524-530.	1.0	41
103	Medical data mining using evolutionary computation. Artificial Intelligence in Medicine, 1999, 16, 73-96.	3.8	41
104	Abnormal cerebral cortical thinning pattern in adolescent girls with idiopathic scoliosis. NeuroImage, 2012, 59, 935-942.	2.1	40
105	Congenital anomalies of the upper limb among the Chinese population in Hong Kong. Journal of Hand Surgery, 1982, 7, 563-565.	0.7	39
106	Mechanical characterisation of human postburn hypertrophic skin during pressure therapy. Journal of Biomechanics, 1987, 20, 397-406.	0.9	39
107	A prospective study of the effects of 1-year calcium-fortified soy milk supplementation on dietary calcium intake and bone health in Chinese adolescent girls aged 14 to 16. Osteoporosis International, 2005, 16, 1907-1916.	1.3	39
108	Abnormal Skeletal Growth Patterns in Adolescent Idiopathic Scoliosisâ€"A Longitudinal Study Until Skeletal Maturity. Spine, 2012, 37, E1148-E1154.	1.0	39

#	Article	IF	Citations
109	Axial and peripheral bone mineral acquisition: a 3-year longitudinal study in Chinese adolescents. European Journal of Pediatrics, 1999, 158, 506-512.	1.3	38
110	Psychosocial adjustment of victims of occupational hand injuries. Social Science and Medicine, 1985, 20, 493-497.	1.8	37
111	Volume-Based Morphometry of Brain MR Images in Adolescent Idiopathic Scoliosis and Healthy Control Subjects. American Journal of Neuroradiology, 2009, 30, 1302-1307.	1.2	37
112	Paediatric sports injuries in Hong Kong: a seven year survey.. British Journal of Sports Medicine, 1996, 30, 218-221.	3.1	36
113	Posterior Tibial Nerve Somatosensory Cortical Evoked Potentials in Adolescent Idiopathic Scoliosis. Spine, 1998, 23, 332-337.	1.0	36
114	Application to Anatomic Visualization and Orthopaedics Training. Clinical Orthopaedics and Related Research, 2006, 442, 5-12.	0.7	36
115	Classification of 578 cases of congenital upper limb anomalies with the IFSSH systemâ€"a 10 years' experience. Journal of Hand Surgery, 1987, 12, 1055-1060.	0.7	34
116	Recombinant human bone morphogenetic protein-4 (rhBMP-4) enhanced posterior spinal fusion without decortication. Journal of Orthopaedic Research, 2002, 20, 740-746.	1.2	34
117	Abnormal bone quality versus low bone mineral density in adolescent idiopathic scoliosis: a case-control study with inÂvivo high-resolution peripheral quantitative computed tomography. Spine Journal, 2013, 13, 1493-1499.	0.6	34
118	Congenital Pseudarthrosis of the Ulna. Journal of Hand Surgery, 1994, 19, 238-243.	0.9	33
119	Knee arthroscopy in Chinese children and adolescents: An eight-year prospective study. Arthroscopy - Journal of Arthroscopic and Related Surgery, 1997, 13, 18-23.	1.3	33
120	Bone mineralization at the callotasis site after completion of lengthening. Bone, 1999, 25, 333-338.	1.4	33
121	Abnormal Response of the Proliferation and Differentiation of Growth Plate Chondrocytes to Melatonin in Adolescent Idiopathic Scoliosis. International Journal of Molecular Sciences, 2014, 15, 17100-17114.	1.8	33
122	Use of Tranexamic Acid (TXA) on reducing blood loss during scoliosis surgery in Chinese adolescents. Scoliosis, 2015, 10, 28.	0.4	33
123	A comparison study on the efficacy of SpinoMedÂ® and soft lumbar orthosis for osteoporotic vertebral fracture. Prosthetics and Orthotics International, 2015, 39, 270-276.	0.5	33
124	Distraction Lengthening of the Forearm. Journal of Hand Surgery, 1991, 16, 441-445.	0.9	32
125	A Detailed Morphologic and Functional Magnetic Resonance Imaging Study of the Craniocervical Junction in Adolescent Idiopathic Scoliosis. Spine, 2007, 32, 1667-1674.	1.0	32
126	Correlation of Risser Sign, Radiographs of Hand and Wrist With the Histological Grade of Iliac Crest Apophysis in Girls With Adolescent Idiopathic Scoliosis. Spine, 2009, 34, 1849-1854.	1.0	32

#	Article	IF	Citations
127	Pseudoaneurysm After High Tibial Osteotomy and Limb Lengthening. Clinical Orthopaedics and Related Research, 1998, 354, 175-179.	0.7	31
128	Evaluation of the expression of collagen type I in porous calcium phosphate ceramics implanted in an extra-osseous site. Biomaterials, 2004, 25, 659-667.	5.7	31
129	Genetic Association Study of Growth Hormone Receptor and Idiopathic Scoliosis. Clinical Orthopaedics and Related Research, 2007, 462, 53-58.	0.7	31
130	Whither the etiopathogenesis (and scoliogeny) of adolescent idiopathic scoliosis? Incorporating presentations on scoliogeny at the 2012 IRSSD and SRS meetings. Scoliosis, 2013, 8, 4.	0.4	31
131	Low-Intensity Pulsed Ultrasound Enhances Posterior Spinal Fusion Implanted with Mesenchymal Stem Cells-Calcium Phosphate Composite Without Bone Grafting. Spine, 2011, 36, 1010-1016.	1.0	30
132	A new risk classification rule for curve progression in adolescent idiopathic scoliosis. Spine Journal, 2012, 12, 989-995.	0.6	30
133	A Review of Pinealectomy-Induced Melatonin-Deficient Animal Models for the Study of Etiopathogenesis of Adolescent Idiopathic Scoliosis. International Journal of Molecular Sciences, 2014, 15, 16484-16499.	1.8	30
134	Surgery for neglected congenital torticollis. Acta Orthopaedica, 1987, 58, 270-272.	1.4	29
135	A systematic review of current osteoporotic metaphyseal fracture animal models. Bone and Joint Research, 2018, 7, 6-11.	1.3	29
136	Aberrant miRâ€145â€“5p/Î²â€catenin signal impairs osteocyte function in adolescent idiopathic scoliosis. FASEB Journal, 2018, 32, 6537-6549.	0.2	29
137	A work study of the CAD/CAM method and conventional manual method in the fabrication of spinal orthoses for patients with adolescent idiopathic scoliosis. Prosthetics and Orthotics International, 2005, 29, 93-104.	0.5	28
138	The effect of load carriage on the gait of girls with adolescent idiopathic scoliosis and normal controls. Medical Engineering and Physics, 2006, 28, 430-437.	0.8	28
139	Costs of School Scoliosis Screening. Spine, 2010, 35, 2266-2272.	1.0	28
140	The association of disproportionate skeletal growth and abnormal radius dimension ratio with curve severity in adolescent idiopathic scoliosis. European Spine Journal, 2010, 19, 726-731.	1.0	28
141	Abnormal proliferation and differentiation of osteoblasts from girls with adolescent idiopathic scoliosis to melatonin. Journal of Pineal Research, 2010, 49, no-no.	3.4	28
142	Abnormal Bone Mechanical and Structural Properties in Adolescent Idiopathic Scoliosis: A Study with Finite Element Analysis and Structural Model Index. Calcified Tissue International, 2015, 97, 343-352.	1.5	28
143	Bone mineral density and calcium metabolism of Hong Kong Chinese postpartum womenâ€”a 1-y longitudinal study. European Journal of Clinical Nutrition, 2005, 59, 868-876.	1.3	27
144	Dynamic magnetic resonance imaging in assessing lung function in adolescent idiopathic scoliosis: a pilot study of comparison before and after posterior spinal fusion. Journal of Orthopaedic Surgery and Research, 2007, 2, 20.	0.9	27

#	Article	IF	Citations
145	Lack of Association Between the Promoter Polymorphisms of MMP-3 and IL-6 Genes and Adolescent Idiopathic Scoliosis. Spine, 2010, 35, 1701-1705.	1.0	27
146	Prevalence of vitamin D insufficiency among adolescents and its correlation with bone parameters using high-resolution peripheral quantitative computed tomography. Osteoporosis International, 2016, 27, 2477-2488.	1.3	27
147	How Does Recombinant Human Bone Morphogenetic Protein-4 Enhance Posterior Spinal Fusion?. Spine, 2002, 27, 467-474.	1.0	26
148	The effect of rigid versus flexible spinal orthosis on the gait pattern of patients with adolescent idiopathic scoliosis. Gait and Posture, 2008, 27, 189-195.	0.6	26
149	A comparison of morphometric techniques for studying the shape of the corpus callosum in adolescent idiopathic scoliosis. NeuroImage, 2009, 45, 738-748.	2.1	25
150	Are Volumetric Bone Mineral Density and Bone Micro-Architecture Associated with Leptin and Soluble Leptin Receptor Levels in Adolescent Idiopathic Scoliosis? â€“ A Case-Control Study. PLoS ONE, 2014, 9, e87939.	1.1	25
151	Halo-gravity traction combined with assisted ventilation: an effective pre-operative management for severe adult scoliosis complicated with respiratory dysfunction. European Spine Journal, 2016, 25, 2416-2422.	1.0	25
152	Asymmetry of the Vertebral Body and Pedicles in the True Transverse Plane in Adolescent Idiopathic Scoliosis: A CT-Based Study. Spine Deformity, 2017, 5, 37-45.	0.7	25
153	Thumb Ossification Composite Index (TOCI) for Predicting Peripubertal Skeletal Maturity and Peak Height Velocity in Idiopathic Scoliosis. Journal of Bone and Joint Surgery - Series A, 2017, 99, 1438-1446.	1.4	25
154	Deferoxamine-Induced Bone Dysplasia in the Distal Femur and Patella of Pediatric Patients and Young Adults. American Journal of Roentgenology, 2000, 175, 1561-1566.	1.0	24
155	Lack of Association Between the Promoter Polymorphism of the MTNR1A Gene and Adolescent Idiopathic Scoliosis. Spine, 2008, 33, 2204-2207.	1.0	24
156	Volumetric changes in cerebellar regions in adolescent idiopathic scoliosis compared with healthy controls. Spine Journal, 2013, 13, 1904-1911.	0.6	24
157	Variation in Anisotropy and Diffusivity along the Medulla Oblongata and the Whole Spinal Cord in Adolescent Idiopathic Scoliosis: A Pilot Study Using Diffusion Tensor Imaging. American Journal of Neuroradiology, 2014, 35, 1621-1627.	1.2	24
158	Is Radiation-Free Ultrasound Accurate for Quantitative Assessment of Spinal Deformity in Idiopathic Scoliosis (IS): A Detailed Analysis With EOS Radiography on 952 Patients. Ultrasound in Medicine and Biology, 2019, 45, 2866-2877.	0.7	24
159	Idiopathic Scoliosis as a Rotatory Decompensation of the Spine. Journal of Bone and Mineral Research, 2020, 35, 1850-1857.	3.1	24
160	The conservative management of acute pyogenic iliopsoas abscess in children. Journal of Bone and Joint Surgery: British Volume, 1998, 80, 83-85.	3.4	24
161	Severe progressive deformities after limb lengthening in type-II fibular hemimelia. Journal of Bone and Joint Surgery: British Volume, 1998, 80, 772-6.	3.4	24
162	Continuous Pulse Oximeter Monitoring for Inapparent Hypoxemia after Long Bone Fractures. Journal of Trauma, 2004, 56, 356-362.	2.3	23

#	Article	IF	Citations
163	Prognosis and Prognostic Factors of Legg-Calve-Perthes Disease. Journal of Pediatric Orthopaedics, 2011, 31, S147-S151.	0.6	23
164	Anterior-posterior length discrepancy of the spinal column in adolescent idiopathic scoliosisâ€"a 3D CT study. Spine Journal, 2018, 18, 2259-2265.	0.6	23
165	Abnormal Skeletal Growth in Adolescent Idiopathic Scoliosis Is Associated with Abnormal Quantitative Expression of Melatonin Receptor, MT2. International Journal of Molecular Sciences, 2013, 14, 6345-6358.	1.8	22
166	The place of the dynamic compression plate in femoral shaft fractures. Injury, 1985, 16, 529-534.	0.7	21
167	Bone Mineral Accrual in Osteopenic and Nonosteopenic Girls With Idiopathic Scoliosis During Bracing Treatment. Spine, 2008, 33, 1682-1689.	1.0	21
168	An updated analysis of pubertal linear growth characteristics and age at menarche in ethnic Chinese. American Journal of Human Biology, 2011, 23, 132-137.	0.8	21
169	Quantitative Ultrasound for Predicting Curve Progression in Adolescent Idiopathic Scoliosis: A Prospective Cohort Study of 294 Cases Followed-Up Beyond Skeletal Maturity. Ultrasound in Medicine and Biology, 2013, 39, 381-387.	0.7	21
170	Global sagittal alignment in elderly patients with osteoporosis and its relationship with severity of vertebral fracture and quality of life. Archives of Osteoporosis, 2018, 13, 95.	1.0	21
171	Curve Progression in Adolescent Idiopathic Scoliosis With a Minimum ofÂ2 Years' Follow-up After Completed Brace Weaning With Reference toÂthe SRS Standardized Criteria. Spine Deformity, 2016, 4, 200-205.	0.7	20
172	Deletion of SIRT3 inhibits osteoclastogenesis and alleviates aging or estrogen deficiency-induced bone loss in female mice. Bone, 2021, 144, 115827.	1.4	20
173	Redefining the Magnetic Resonance Imaging Reference Level for the Cerebellar Tonsil. Spine, 2003, 28, 815-818.	1.0	19
174	Photorealistic virtual anatomy based on Chinese Visible Human data. Clinical Anatomy, 2006, 19, 232-239.	1.5	19
175	The changes of relative position of the thoracic aorta after anterior or posterior instrumentation of type I Lenke curve in adolescent idiopathic thoracic scoliosis. European Spine Journal, 2008, 17, 1019-1026.	1.0	19
176	Rib length asymmetry in thoracic adolescent idiopathic scoliosis: is it primary or secondary?. European Spine Journal, 2011, 20, 254-259.	1.0	19
177	Validity Study of Vertebral Rotation Measurement Using 3-D Ultrasound in Adolescent Idiopathic Scoliosis. Ultrasound in Medicine and Biology, 2016, 42, 1473-1481.	0.7	19
178	Replication Study for the Association of GWAS-associated Loci With Adolescent Idiopathic Scoliosis Susceptibility and Curve Progression in a Chinese Population. Spine, 2019, 44, 464-471.	1.0	19
179	Redefining the magnetic resonance imaging reference level for the cerebellar tonsil: a study of 170 adolescents with normal versus idiopathic scoliosis. Spine, 2003, 28, 815-8.	1.0	19
180	Effects of Backpack Loading on the Pulmonary Capacities of Normal Schoolgirls and Those with Adolescent Idiopathic Scoliosis. Spine, 2005, 30, E649-E654.	1.0	18

#	Article	IF	Citations
181	A validation study on the traditional Chinese version of Spinal Appearance Questionnaire for adolescent idiopathic scoliosis. European Spine Journal, 2016, 25, 3186-3193.	1.0	18
182	Altered White Matter Microstructure in the Corpus Callosum and Its Cerebral Interhemispheric Tracts in Adolescent Idiopathic Scoliosis: Diffusion Tensor Imaging Analysis. American Journal of Neuroradiology, 2018, 39, 1177-1184.	1.2	18
183	Abnormal lacunoâ€canalicular network and negative correlation between serum osteocalcin and Cobb angle indicate abnormal osteocyte function in adolescent idiopathic scoliosis. FASEB Journal, 2019, 33, 13882-13892.	0.2	18
184	A validated composite model to predict risk of curve progression in adolescent idiopathic scoliosis. EClinicalMedicine, 2020, 18, 100236.	3.2	18
185	How Does the Supine MRI Correlate With Standing Radiographs of Different Curve Severity in Adolescent Idiopathic Scoliosis?. Spine, 2015, 40, 1206-1212.	1.0	17
186	Initial Cobb angle reduction velocity following bracing as a new predictor for curve progression in adolescent idiopathic scoliosis. European Spine Journal, 2016, 25, 500-505.	1.0	17
187	Unique local bone tissue characteristics in iliac crest bone biopsy from adolescent idiopathic scoliosis with severe spinal deformity. Scientific Reports, 2017, 7, 40265.	1.6	17
188	Can we enhance osteoporotic metaphyseal fracture healing through enhancing ultrastructural and functional changes of osteocytes in cortical bone with lowâ€magnitude highâ€frequency vibration?. FASEB Journal, 2020, 34, 4234-4252.	0.2	17
189	Burn Contractures of the Foot. Foot & Ankle, 1986, 6, 289-293.	0.6	16
190	Comparison of the scoliosis curve patterns and MRI syrinx cord characteristics of idiopathic syringomyelia versus Chiari I malformation. European Spine Journal, 2016, 25, 517-525.	1.0	16
191	Shape Analysis of Vestibular Systems in Adolescent Idiopathic Scoliosis Using Geodesic Spectra. Lecture Notes in Computer Science, 2010, 13, 538-546.	1.0	16
192	Ultrasonographic Hip Morphometry in Infants. Journal of Pediatric Orthopaedics, 1994, 14, 24-28.	0.6	15
193	A cross-sectional study on the development of foot arch function of 2715 Chinese children. Prosthetics and Orthotics International, 2005, 29, 241-253.	0.5	15
194	Altered Topological Organization of Cortical Network in Adolescent Girls with Idiopathic Scoliosis. PLoS ONE, 2013, 8, e83767.	1.1	15
195	Value of Measuring Bone Microarchitecture in Fracture Discrimination in Older Women with Recent Hip Fracture: A Case-control Study with HR-pQCT. Scientific Reports, 2016, 6, 34185.	1.6	15
196	Genetic Variant of PAX1 Gene Is Functionally Associated With Adolescent Idiopathic Scoliosis in the Chinese Population. Spine, 2018, 43, 492-496.	1.0	15
197	Association of serum 25(OH)Vit-D levels with risk of pediatric fractures: a systematic review and meta-analysis. Osteoporosis International, 2021, 32, 1287-1300.	1.3	15
198	Are there gender differences in sagittal spinal pelvic inclination before and after the adolescent pubertal growth spurt?. European Spine Journal, 2015, 24, 1168-1174.	1.0	14

#	Article	IF	Citations
199	Defining the bone morphometry, micro-architecture and volumetric density profile in osteopenic vs non-osteopenic adolescent idiopathic scoliosis. European Spine Journal, 2017, 26, 1586-1594.	1.0	14
200	Validation Study of the Thumb Ossification Composite Index (TOCI) in Idiopathic Scoliosis. Journal of Bone and Joint Surgery - Series A, 2018, 100, e88.	1.4	14
201	Normative Standards for HRpQCT Parameters in Chinese Men and Women. Journal of Bone and Mineral Research, 2018, 33, 1889-1899.	3.1	14
202	A metaphyseal fracture rat model for mechanistic studies of osteoporotic bone healing. , 2019, 37, 420-430.		14
203	Femoral Lengthening After Type IVB Septic Arthritis of the Hip in Children. Journal of Pediatric Orthopaedics, 1996, 16, 533-539.	0.6	14
204	Novel Mutations in UTS2R are Associated with Adolescent Idiopathic Scoliosis in the Chinese Population. Spine, 2021, 46, E288-E293.	1.0	14
205	A Genetic Predictive Model Estimating the Risk of Developing Adolescent Idiopathic Scoliosis. Current Genomics, 2019, 20, 246-251.	0.7	14
206	The Krukenberg procedure: A method of treatment for unilateral anomalies of the upper limb in Chinese children. Journal of Hand Surgery, 1984, 9, 548-551.	0.7	13
207	Acoustic transmission in normal human hips: structural testing of joint symmetry. Medical Engineering and Physics, 2003, 25, 811-816.	0.8	13
208	Correlations of calcaneal QUS with pQCT measurements at distal tibia and non-weight-bearing distal radius. Journal of Bone and Mineral Metabolism, 2004, 22, 486-90.	1.3	13
209	Segmentation of human skull in MRI using statistical shape information from CT data. Journal of Magnetic Resonance Imaging, 2009, 30, 490-498.	1.9	13
210	Involvement of Calcitonin Gene-Related Peptide Innervation in the Promoting Effect of Low-Intensity Pulsed Ultrasound on Spinal Fusion Without Decortication. Spine, 2010, 35, E1539-E1545.	1.0	13
211	MRI-based morphological evidence of spinal cord tethering predicts curve progression in adolescent idiopathic scoliosis. Spine Journal, 2015, 15, 1391-1401.	0.6	13
212	3D ultrasound imaging provides reliable angle measurement with validity comparable to X-ray in patients with adolescent idiopathic scoliosis. Journal of Orthopaedic Translation, 2021, 29, 51-59.	1.9	13
213	Unintentional residential child injury surveillance in Hong Kong. Journal of Paediatrics and Child Health, 2003, 39, 420-426.	0.4	12
214	Asynchronous neuro-osseous growth in adolescent idiopathic scoliosisâ€"MRI-based research. Pediatric Radiology, 2011, 41, 1100-1111.	1.1	12
215	HRQoL assessment by SRS-30 for Chinese patients with surgery for Adolescent Idiopathic Scoliosis (AIS). Scoliosis, 2015, 10, S19.	0.4	12
216	The Height-Width-Depth Ratios of the Intervertebral Discs and Vertebral Bodies in Adolescent Idiopathic Scoliosis vs Controls in a Chinese Population. Scientific Reports, 2017, 7, 46448.	1.6	12

#	Article	IF	Citations
217	Genetic variant of BNC2 gene is functionally associated with adolescent idiopathic scoliosis in Chinese population. Molecular Genetics and Genomics, 2017, 292, 789-794.	1.0	12
218	Association of higher bone turnover with risk of curve progression in adolescent idiopathic scoliosis. Bone, 2021, 143, 115655.	1.4	12
219	LPAQR-Net: Efficient Vertebra Segmentation From Biplanar Whole-Spine Radiographs. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2710-2721.	3.9	12
220	Title is missing!. Journal of Pediatric Orthopaedics, 1998, 18, 387-393.	0.6	12
221	Use of bioprosthetic tendon in digital pulley reconstructionâ€"An experimental study. Journal of Hand Surgery, 1986, 11, 225-230.	0.9	11
222	Primary malignant lymphoma of the deep tissues of the hand. Journal of Hand Surgery, 1988, 13, 683-686.	0.7	11
223	Association study between adolescent idiopathic scoliosis and the DPP9 gene which is located in the candidate region identified by linkage analysis. Postgraduate Medical Journal, 2008, 84, 498-501.	0.9	11
224	Age-related vessel calcification at distal extremities is a risk factor of osteoporosis. Journal of Orthopaedic Translation, 2014, 2, 43-48.	1.9	11
225	Integrated Multidimensional Maturity Assessments Predicting the High-risk Occurrence of Peak Angle Velocity During Puberty in Progressive Female Idiopathic Scoliosis. Clinical Spine Surgery, 2017, 30, E491-E496.	0.7	11
226	Morphometric Analysis for Pathological Abnormality Detection in the Skull Vaults of Adolescent Idiopathic Scoliosis Girls. Lecture Notes in Computer Science, 2006, 9, 175-182.	1.0	11
227	Contact force ratio. Prosthetics and Orthotics International, 2004, 28, 167-174.	0.5	10
228	Bone densitometry: which skeletal sites are best predicted by bone mass determinants?. Journal of Bone and Mineral Metabolism, 2004, 22, 447-55.	1.3	10
229	Do Adolescents With a Severe Idiopathic Scoliosis Have Higher Locations of the Conus Medullaris Than Healthy Adolescents?. Journal of Pediatric Orthopaedics, 2008, 28, 669-673.	0.6	10
230	Brace treatment versus observation alone for scoliosis associated with Chiari I malformation following posterior fossa decompression: a cohort study of 54 patients. European Spine Journal, 2014, 23, 1224-1231.	1.0	10
231	A Preliminary Study of Estimation of Cobb's Angle From the Spinous Process Angle Using a Clinical Ultrasound Method. Spine Deformity, 2015, 3, 476-482.	0.7	10
232	2017 Annual Meeting of the American Society for Bone and Mineral Research, Colorado Convention Center, Denver, CO, USA â€" September 8â€"11, 2017. Journal of Bone and Mineral Research, 2017, 32, S1-S432.	3.1	10
233	Gonadal shield: Is it the Albatross hanging around the neck of developmental dysplasia of the hip research?. Journal of Children's Orthopaedics, 2018, 12, 606-613.	0.4	10
234	The effect of exogenous melatonin on reducing scoliotic curvature and improving bone quality in melatonin-deficient C57BL/6J mice. Scientific Reports, 2019, 9, 6202.	1.6	10

#	Article	IF	Citations
235	New Evidence Supporting the Role of FBN1 in the Development of Adolescent Idiopathic Scoliosis. Spine, 2019, 44, E225-E232.	1.0	10
236	Effects of a Home-Based Exercise Intervention (E-Fit) on Bone Density, Muscle Function, and Quality of Life in Girls with Adolescent Idiopathic Scoliosis (AIS): A Pilot Randomized Controlled Trial. International Journal of Environmental Research and Public Health, 2021, 18, 10899.	1.2	10
237	An unusual cause of wrist pain. Journal of Hand Surgery, 1986, 11, 221-222.	0.9	9
238	Voluntary habitual dislocation of the hip: Sonographic diagnosis. Pediatric Radiology, 1993, 23, 147-148.	1.1	9
239	Pyomyositis and staphylococcal scalded skin syndrome. Acta Paediatrica, International Journal of Paediatrics, 1993, 82, 113-115.	0.7	9
240	New Technique for Early Screening of Developmental Dysplasia of the Hip: Pilot Study. Journal of Pediatric Orthopaedics, 2003, 23, 347-351.	0.6	9
241	How Well Does Radiological Measurements Correlate With Cosmetic Indices in Adolescent Idiopathic Scoliosis With Lenke 5, 6 Curve Types?. Spine, 2010, 35, E882-E888.	1.0	9
242	Serum 25(OH)vitamin D level and Its correlation with bone mineral density in girls with Adolescent Idiopathic Scoliosis (AIS). Scoliosis, 2015, 10, .	0.4	9
243	Role of Enhanced Central Leptin Activity in a Scoliosis Model Created in Bipedal Amputated Mice. Spine, 2015, 40, E1041-E1045.	1.0	9
244	Effect of upright position on tonsillar level in adolescent idiopathic scoliosis. European Radiology, 2015, 25, 2397-2402.	2.3	9
245	Landmark constrained registration of high-genus surfaces applied to vestibular system morphometry. Computerized Medical Imaging and Graphics, 2015, 44, 1-12.	3.5	9
246	Anatomical Origin of Abnormal Somatosensory-Evoked Potential (SEP) in Adolescent Idiopathic Scoliosis With Different Curve Severity and Correlation With Cerebellar Tonsillar Level Determined by MRI. Spine, 2016, 41, E598-E604.	1.0	9
247	Sexual Dimorphism in Cortical and Trabecular Bone Microstructure Appears During Puberty in Chinese Children. Journal of Bone and Mineral Research, 2018, 33, 1948-1955.	3.1	9
248	Asymmetric Expression of Wnt/B-catenin Pathway in AIS. Spine, 2020, 45, E677-E683.	1.0	9
249	A Functional SNP in the Promoter of LBX1 Is Associated With the Development of Adolescent Idiopathic Scoliosis Through Involvement in the Myogenesis of Paraspinal Muscles. Frontiers in Cell and Developmental Biology, 2021, 9, 777890.	1.8	9
250	Accuracy of Thoracic Vertebral Screw Insertion in Adolescent Idiopathic Scoliosis. Spine, 2008, 33, 2637-2642.	1.0	8
251	Lifelong bound feet in China: a quantitative ultrasound and lifestyle questionnaire study in postmenopausal women. BMJ Open, 2015, 5, e006521-e006521.	0.8	8
252	Spinal growth velocity versus height velocity in predicting curve progression in peri-pubertal girls with idiopathic scoliosis. BMC Musculoskeletal Disorders, 2016, 17, 368.	0.8	8

#	Article	IF	Citations
253	Factors favoring regain of the lost vertical spinal height through posterior spinal fusion in adolescent idiopathic scoliosis. Scientific Reports, 2016, 6, 29115.	1.6	8
254	Rib-vertebral angle measurements predict brace treatment outcome in Risser grade 0 and premenarchal girls with adolescent idiopathic scoliosis. European Spine Journal, 2016, 25, 3088-3094.	1.0	8
255	CT-based study of vertebral and intravertebral rotation in right thoracic adolescent idiopathic scoliosis. European Spine Journal, 2019, 28, 3044-3052.	1.0	8
256	PIEZO2: A Novel Molecule Involved in the Development of AIS. Spine, 2020, 45, E120-E125.	1.0	8
257	<title>Edge surface extraction from 3D images</title>. , 2001, , .		7
258	Orthotic design and foot impression procedures to control foot alignment. Prosthetics and Orthotics International, 2004, 28, 254-262.	0.5	7
259	Fully automatic stitching of diffusion tensor images in spinal cord. Journal of Neuroscience Methods, 2012, 209, 371-378.	1.3	7
260	Accurate prediction of height loss in adolescent idiopathic scoliosis: Cobb angle alone is insufficient. European Spine Journal, 2016, 25, 3341-3346.	1.0	7
261	What Is the Actual 3D Representation of the Rib Vertebra Angle Difference (Mehta Angle)?. Spine, 2018, 43, E92-E97.	1.0	7
262	Bone measurements at multiple skeletal sites in adolescent idiopathic scoliosisâ€”an in vivo correlation study using DXA, HR-pQCT and QCT. Archives of Osteoporosis, 2019, 14, 70.	1.0	7
263	Abnormal Osteoblastic Response to Leptin in Patients with Adolescent Idiopathic Scoliosis. Scientific Reports, 2019, 9, 17128.	1.6	7
264	Genetic Variants of CHD7 Are Associated with Adolescent Idiopathic Scoliosis. Spine, 2021, 46, E618-E624.	1.0	7
265	Discovering knowledge from noisy databases using genetic programming. Journal of the Association for Information Science and Technology, 2000, 51, 870-881.	1.2	6
266	Identification and Purification of an Intrinsic Human Muscle Myogenic Factor That Enhances Muscle Repair and Regeneration. Archives of Biochemistry and Biophysics, 2000, 384, 263-268.	1.4	6
267	Template-matching approach to edge detection of volume data. , 0, , .		6
268	Title is missing!. Journal of Pediatric Orthopaedics, 2002, 22, 244-248.	0.6	6
269	Title is missing!. Journal of Materials Science Letters, 2002, 21, 153-155.	0.5	6
270	Multi-disciplinary Orthopaedics Rehabilitation Empowerment (MORE) program: A new standard of care for injured workers in Hong Kong. Journal of Back and Musculoskeletal Rehabilitation, 2016, 29, 503-513.	0.4	6

#	Article	IF	Citations
271	A Critical Comparison Between Two Scanning Protocols of High-Resolution Peripheral Quantitative Computed Tomography at the Distal Radius in Adolescents. Journal of Clinical Densitometry, 2016, 19, 305-315.	0.5	6
272	A novel classification method for mild adolescent idiopathic scoliosis using 3D ultrasound imaging. Medicine in Novel Technology and Devices, 2021, 11, 100075.	0.9	6
273	Euclidean Geodesic Loops on High-Genus Surfaces Applied to the Morphometry of Vestibular Systems. Lecture Notes in Computer Science, 2011, 14, 384-392.	1.0	6
274	Title is missing!. Journal of Pediatric Orthopaedics, 1998, 18, 161-167.	0.6	6
275	Semi-automatic ultrasound curve angle measurement for adolescent idiopathic scoliosis. Spine Deformity, 2022, 10, 351-359.	0.7	6
276	Dynamic pressure therapy for scars in the finger web spaces. Journal of Hand Surgery, 1991, 16, 176-177.	0.7	5
277	Lengthening of a One-Bone Forearm. Journal of Hand Surgery, 1998, 23, 453-456.	0.9	5
278	Bone mineralization gradient at the callotasis site. Journal of Orthopaedic Science, 2002, 7, 331-340.	0.5	5
279	Temporal and Spatial Expression Pattern of VEGF and VEGF Receptor in the Posterior Spinal Fusion with Allograft. Key Engineering Materials, 2005, 288-289, 491-494.	0.4	5
280	Persistent osteopenia in adolescent idiopathic scoliosis (AIS) â€“ Factors predisposing to generalized osteopenia, a cross-sectional and longitudinal investigation. International Congress Series, 2007, 1297, 25-31.	0.2	5
281	Treatment of severe clubfoot with manipulation using synthetic cast material and a foam-casting platform: a preliminary report. Journal of Pediatric Orthopaedics Part B, 2010, 19, 164-170.	0.3	5
282	Fast and Accurate 3-D Registration of HR-pQCT Images. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 1291-1297.	3.6	5
283	A Novel Coding Variant in SLC39A8 Is Associated With Adolescent Idiopathic Scoliosis in Chinese Han Population. Spine, 2020, 45, 226-233.	1.0	5
284	Cot death and prone sleeping position. BMJ: British Medical Journal, 1989, 298, 1519-1519.	2.4	4
285	MR Imaging of Children's Knees. Clinical Radiology, 2001, 56, 631-646.	0.5	4
286	Title is missing!. Journal of Pediatric Orthopaedics, 2002, 22, 296-301.	0.6	4
287	Title is missing!. Spine, 2003, 28, 815-818.	1.0	4
288	Comparison of Clinical and Radiologic Outcome of Three-Dimensional Correction in Lenke 5C Curve: Uniplanar Versus Polyaxial Pedicle Screws. World Neurosurgery, 2018, 114, e729-e734.	0.7	4

#	Article	IF	Citations
289	Using Ultrasound to Screen for Scoliosis to Reduce Unnecessary Radiographic Radiation: A Prospective Diagnostic Accuracy Study on 442 Schoolchildren. Ultrasound in Medicine and Biology, 2021, 47, 2598-2607.	0.7	4
290	Decreased cortical bone density and mechanical strength with associated elevated bone turnover markers at peri-pubertal peak height velocity: a cross-sectional and longitudinal cohort study of 396 girls with adolescent idiopathic scoliosis. Osteoporosis International, 2022, 33, 725-735.	1.3	4
291	Biological effect of dysregulated LBX1 on adolescent idiopathic scoliosis through modulating muscle carbohydrate metabolism. Spine Journal, 2022, 22, 1551-1565.	0.6	4
292	Burn contracture of the neck-axillary region. Burns, 1986, 12, 465-469.	1.1	3
293	Glutaraldehyde-tpeated bioprosthetic substitute for rabbit Achilles tendon. Biomaterials, 1989, 10, 258-264.	5.7	3
294	Quantification of Porosity, Connectivity and Material Density of Calcium Phosphate Ceramic Implants Using Micro-Computed Tomography. , 2007, , 289-305.		3
295	Trial Protocol: The use of mindfulness-based intervention for improving bracing compliance for adolescent idiopathic scoliosis patients: protocol for a randomised, controlled trial. Journal of Physiotherapy, 2018, 64, 193.	0.7	3
296	Association between braced curve behavior by pubertal growth peak and bracing effectiveness in female idiopathic scoliosis: a longitudinal cohort study. BMC Musculoskeletal Disorders, 2018, 19, 88.	0.8	3
297	Morphological changes of intervertebral disc in relation with curve severity of patients with Adolescent Idiopathic Scoliosis â€“ a T2-weighted MRI study. Studies in Health Technology and Informatics, 2021, 280, 37-39.	0.2	3
298	Age- and gender-related normative value of whole-body sagittal alignment based on 584 asymptomatic Chinese adult population from age 20 to 89. Studies in Health Technology and Informatics, 2021, 280, 66-71.	0.2	3
299	Validating narrative data on residential child injury. Journal of Safety Research, 2001, 32, 377-389.	1.7	2
300	Can Basic Fibroblast Growth Factor Pre-Treatment Enhance Mesenchymal Stem Cell Therapy in Undecorticated Posterior Spinal Fusion?. Key Engineering Materials, 2007, 330-332, 1137-1140.	0.4	2
301	Bio-Engineered Mesenchymal Stem Cell-Tricalcium Phosphate Ceramics Composite Augmented Bone Regeneration in Posterior Spinal Fusion. Key Engineering Materials, 2007, 334-335, 1201-1204.	0.4	2
302	Semi-automatic Measurement of Scoliotic Angle Using a Freehand 3-D Ultrasound System Scolioscan. IFMBE Proceedings, 2016, , 341-346.	0.2	2
303	Investigation of the Phenomenon of Coronalâ€“Sagittal Curvature Coupling on Curve Progression: An Exploratory Study using 3-D Ultrasound. Ultrasound in Medicine and Biology, 2021, 47, 2202-2212.	0.7	2
304	Potential Muscle-Related Biomarkers in Predicting Curve Progression to the Surgical Threshold in Adolescent Idiopathic Scoliosisâ€”A Pilot Proteomic Study Comparing Four Non-Progressive vs. Four Progressive Patients vs. A Control Cohort. Journal of Clinical Medicine, 2021, 10, 4927.	1.0	2
305	Response of Fingertip Circulation to Local Warming in the Injured Handâ€”a Study Using Laser Doppler Flowmetry. Journal of Hand Surgery, 1993, 18, 770-773.	0.9	1
306	The Ultrastructural Analysis of Heterotopic Osteogenesis in Porous Biphasic Calcium Phophate Ceramics. Key Engineering Materials, 2002, 218-220, 613-616.	0.4	1

#	Article	IF	Citations
307	Curve Correction Effect of Rigid Spinal Orthosis in Different Recumbent Positions in Adolescent Idiopathic Scoliosis (AIS). Prosthetics and Orthotics International, 2006, 30, 136-144.	0.5	1
308	Mesenchymal Stem Cell Derived Osteogenic Cells Is Superior to Bone Marrow Aspirate Impregnated Biomaterial Complex in Posterior Spinal Fusion. Key Engineering Materials, 2007, 330-332, 1149-1152.	0.4	1
309	Discriminative analysis of skull morphology in adolescent idiopathic scoliosis patients: Comparative study with normal controls. Pattern Recognition, 2008, 41, 2800-2811.	5.1	1
310	Letters. Spine, 2010, 35, 130.	1.0	1
311	Female-Specific Susceptibility Locus in BOC and SEC16B are Associated with Adolescent Idiopathic Scoliosis. Spine, 2021, 46, E1178-E1184.	1.0	1
312	Elucidating the inherent features of IS to better understand idiopathic scoliosis etiology and progression. Journal of Orthopaedics, 2021, 26, 126-129.	0.6	1
313	Nanoindentation study of interfaces between calcium phosphate and bone in an animal spinal fusion model. Journal of Biomedical Materials Research Part B, 2001, 54, 554-559.	3.0	1
314	Landmark Correspondence Optimization for Coupled Surfaces. Lecture Notes in Computer Science, 2007, 10, 818-825.	1.0	1
315	An analysis on the determinants of head to pelvic balance in a Chinese adult population. Quantitative Imaging in Medicine and Surgery, 2022, 12, 2311-2320.	1.1	1
316	Telemedicine conference on a 13-year-old Chinese girl with an unusual skeletal condition. Journal of Telemedicine and Telecare, 1998, 4, 120-121.	1.4	0
317	Coraline hydroxyapatite as a bone substitute to enhance spinal fusion. , 0, , .		0
318	The evaluation of bone mineral density in adolescent idiopathic scoliosis. , 0, , .		0
319	Letter In Response. Spine, 1998, 23, 959-960.	1.0	0
320	Objective Quantification of Porous Structure in Orthopaedic Biomaterial Implants Using Micro Computed Tomography. Key Engineering Materials, 2007, 334-335, 1205-1208.	0.4	0
321	Status of bone quality in adolescent idiopathic scoliosis patients with low bone massâ€"using calcaneal quantitative ultrasound. Bone, 2008, 43, S85.	1.4	0
322	Inhibition effect of melatonin on the proliferation of chondrocytes from normal but not adolescent idiopathic scoliosis. Bone, 2008, 43, S113.	1.4	0
323	Clinical Monitoring of Bone Mineralization in Distraction Osteogenesis Using DXA. , 2008, , 619-633.		0
324	Adolescent Idiopathic Scoliosis (AIS) is associated with deranged bone quality â€" A case-control study using quantitative ultrasound on 636 AIS subjects and 269 normal controls. Bone, 2009, 45, S62.	1.4	0

#	Article	IF	Citations
325	Persistence of osteopenia in adolescence â€" A longitudinal study of 147 girls till maturity with dual energy X-ray absorptiometry (DXA). Bone, 2009, 45, S63.	1.4	0
326	Response to article: Adolescent idiopathic scoliosis may not be associated with brain abnormalities. Acta Radiologica, 2010, 51, 711-711.	0.5	0
327	A novel statistical morphometry imaging method for differentiating long bone geometry: Methodological development and application with adolescent idiopathic scoliosis (AIS) patients. Medical Engineering and Physics, 2011, 33, 1103-1107.	0.8	0
328	Answer to the Letter of the Editor T. Cook concerning â€œA prospective randomized controlled study on the treatment outcome of SpineCor brace versus rigid brace for adolescent idiopathic scoliosis with follow-up according to the SRS standardized criteriaâ€•by Jing Guo et al., Eur Spine J, doi:10.1007/s00586-013-3146-1. European Spine Journal, 2014, 23, 1580-1580.	1.0	0
329	Upright, prone and supine spinal morphology in adolescent idiopathic scoliosis. Spine Journal, 2016, 16, S81.	0.6	0
330	Association of hip fractures with cardiometabolicâ€renal risk factors in Southern Chinese patients with type 2 diabetes â€" the Hong Kong Diabetes Register. Journal of Diabetes Investigation, 2021, 12, 1739-1748.	1.1	0
331	Implication of head position on global sagittal alignment of Adolescent Idiopathic Scoliosis with and without thoracic hypokyphosis after posterior spinal fusion. Studies in Health Technology and Informatics, 2021, 280, 285.	0.2	0
332	Association of serum 25OHD levels with risk of paediatric fractures. Journal of Bone and Mineral Metabolism, 2021, 39, 911-912.	1.3	0
333	ANTHROPOMETRIC MEASUREMENTS AND BODY PROPORTIONS AMONG CHINESE CHILDREN. Journal of Pediatric Orthopaedics, 1996, , 693.	0.6	0
334	A 6-YEAR-OLD GIRL WITH NECK PAIN. Journal of Pediatric Orthopaedics, 1997, 17, 417.	0.6	0
335	Bio-imaging Technologies in Studying Bone-Biomaterial Interface: Applications in Experimental Spinal Fusion Model. , 2007, , 333-351.		0