

# Jack Chun-Yiu Cheng

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1510804/jack-chun-yiu-cheng-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

325  
papers

10,042  
citations

53  
h-index

83  
g-index

346  
ext. papers

11,522  
ext. citations

3.7  
avg, IF

5.77  
L-index

#	Paper	IF	Citations
325	An analysis on the determinants of head to pelvic balance in a Chinese adult population.. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2022</b> , 12, 2311-2320	3.6	
324	Semi-automatic ultrasound curve angle measurement for adolescent idiopathic scoliosis. <i>Spine Deformity</i> , <b>2021</b> ,	2	1
323	A Functional SNP in the Promoter of Is Associated With the Development of Adolescent Idiopathic Scoliosis Through Involvement in the Myogenesis of Paraspinal Muscles.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 777890	5.7	1
322	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. <i>Osteoporosis International</i> , <b>2021</b> , 1	5.3	1
321	Novel Mutations in UTS2R are Associated with Adolescent Idiopathic Scoliosis in the Chinese Population. <i>Spine</i> , <b>2021</b> , 46, E288-E293	3.3	3
320	Genetic Variants of CHD7 Are Associated with Adolescent Idiopathic Scoliosis. <i>Spine</i> , <b>2021</b> , 46, E618-E624	3.3	1
319	Association of serum 25(OH)Vit-D levels with risk of pediatric fractures: a systematic review and meta-analysis. <i>Osteoporosis International</i> , <b>2021</b> , 32, 1287-1300	5.3	5
318	Deletion of SIRT3 inhibits osteoclastogenesis and alleviates aging or estrogen deficiency-induced bone loss in female mice. <i>Bone</i> , <b>2021</b> , 144, 115827	4.7	6
317	Association of hip fractures with cardiometabolic-renal risk factors in Southern Chinese patients with type 2 diabetes - the Hong Kong Diabetes Register. <i>Journal of Diabetes Investigation</i> , <b>2021</b> , 12, 1739-1748	3.9	1
316	Female-Specific Susceptibility Locus in BOC and SEC16B are Associated with Adolescent Idiopathic Scoliosis. <i>Spine</i> , <b>2021</b> , 46, E1178-E1184	3.3	
315	Morphological changes of intervertebral disc in relation with curve severity of patients with Adolescent Idiopathic Scoliosis - a T2-weighted MRI study. <i>Studies in Health Technology and Informatics</i> , <b>2021</b> , 280, 37-39	0.5	0
314	Implication of head position on global sagittal alignment of Adolescent Idiopathic Scoliosis with and without thoracic hypokyphosis after posterior spinal fusion. <i>Studies in Health Technology and Informatics</i> , <b>2021</b> , 280, 285	0.5	
313	Age- and gender-related normative value of whole-body sagittal alignment based on 584 asymptomatic Chinese adult population from age 20 to 89. <i>Studies in Health Technology and Informatics</i> , <b>2021</b> , 280, 66-71	0.5	
312	3D ultrasound imaging provides reliable angle measurement with validity comparable to X-ray in patients with adolescent idiopathic scoliosis. <i>Journal of Orthopaedic Translation</i> , <b>2021</b> , 29, 51-59	4.2	3
311	Association of higher bone turnover with risk of curve progression in adolescent idiopathic scoliosis. <i>Bone</i> , <b>2021</b> , 143, 115655	4.7	3
310	Elucidating the inherent features of IS to better understand idiopathic scoliosis etiology and progression. <i>Journal of Orthopaedics</i> , <b>2021</b> , 26, 126-129	1.6	0
309	LPAQR-Net: Efficient Vertebra Segmentation From Biplanar Whole-Spine Radiographs. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2021</b> , 25, 2710-2721	7.2	3

308	Investigation of the Phenomenon of Coronal-Sagittal Curvature Coupling on Curve Progression: An Exploratory Study using 3-D Ultrasound. <i>Ultrasound in Medicine and Biology</i> , <b>2021</b> , 47, 2202-2212	3.5	1
307	Association of serum 25OHD levels with risk of paediatric fractures. <i>Journal of Bone and Mineral Metabolism</i> , <b>2021</b> , 39, 911-912	2.9	
306	A novel classification method for mild adolescent idiopathic scoliosis using 3D ultrasound imaging. <i>Medicine in Novel Technology and Devices</i> , <b>2021</b> , 11, 100075	2.1	1
305	Using Ultrasound to Screen for Scoliosis to Reduce Unnecessary Radiographic Radiation: A Prospective Diagnostic Accuracy Study on 442 Schoolchildren. <i>Ultrasound in Medicine and Biology</i> , <b>2021</b> , 47, 2598-2607	3.5	1
304	A validated composite model to predict risk of curve progression in adolescent idiopathic scoliosis. <i>EClinicalMedicine</i> , <b>2020</b> , 18, 100236	11.3	9
303	Can we enhance osteoporotic metaphyseal fracture healing through enhancing ultrastructural and functional changes of osteocytes in cortical bone with low-magnitude high-frequency vibration?. <i>FASEB Journal</i> , <b>2020</b> , 34, 4234-4252	0.9	6
302	A Novel Coding Variant in SLC39A8 Is Associated With Adolescent Idiopathic Scoliosis in Chinese Han Population. <i>Spine</i> , <b>2020</b> , 45, 226-233	3.3	3
301	PIEZO2: A Novel Molecule Involved in the Development of AIS. <i>Spine</i> , <b>2020</b> , 45, E120-E125	3.3	2
300	Asymmetric Expression of Wnt/B-catenin Pathway in AIS: Primary or Secondary to the Curve?. <i>Spine</i> , <b>2020</b> , 45, E677-E683	3.3	2
299	Idiopathic Scoliosis as a Rotatory Decompensation of the Spine. <i>Journal of Bone and Mineral Research</i> , <b>2020</b> , 35, 1850-1857	6.3	5
298	CT-based study of vertebral and intravertebral rotation in right thoracic adolescent idiopathic scoliosis. <i>European Spine Journal</i> , <b>2019</b> , 28, 3044-3052	2.7	2
297	A metaphyseal fracture rat model for mechanistic studies of osteoporotic bone healing. <i>European Cells and Materials</i> , <b>2019</b> , 37, 420-430	4.3	10
296	The effect of exogenous melatonin on reducing scoliotic curvature and improving bone quality in melatonin-deficient C57BL/6J mice. <i>Scientific Reports</i> , <b>2019</b> , 9, 6202	4.9	8
295	New Evidence Supporting the Role of FBN1 in the Development of Adolescent Idiopathic Scoliosis. <i>Spine</i> , <b>2019</b> , 44, E225-E232	3.3	5
294	Is Radiation-Free Ultrasound Accurate for Quantitative Assessment of Spinal Deformity in Idiopathic Scoliosis (IS): A Detailed Analysis With EOS Radiography on 952 Patients. <i>Ultrasound in Medicine and Biology</i> , <b>2019</b> , 45, 2866-2877	3.5	16
293	Bone measurements at multiple skeletal sites in adolescent idiopathic scoliosis-an in vivo correlation study using DXA, HR-pQCT and QCT. <i>Archives of Osteoporosis</i> , <b>2019</b> , 14, 70	2.9	3
292	Abnormal lacuno-canalicular network and negative correlation between serum osteocalcin and Cobb angle indicate abnormal osteocyte function in adolescent idiopathic scoliosis. <i>FASEB Journal</i> , <b>2019</b> , 33, 13882-13892	0.9	5
291	A Genetic Predictive Model Estimating the Risk of Developing Adolescent Idiopathic Scoliosis. <i>Current Genomics</i> , <b>2019</b> , 20, 246-251	2.6	5

290	Abnormal Osteoblastic Response to Leptin in Patients with Adolescent Idiopathic Scoliosis. <i>Scientific Reports</i> , <b>2019</b> , 9, 17128	4.9	4
289	Replication Study for the Association of GWAS-associated Loci With Adolescent Idiopathic Scoliosis Susceptibility and Curve Progression in a Chinese Population. <i>Spine</i> , <b>2019</b> , 44, 464-471	3.3	9
288	PLGA/βTCP composite scaffold incorporating salvianolic acid B promotes bone fusion by angiogenesis and osteogenesis in a rat spinal fusion model. <i>Biomaterials</i> , <b>2019</b> , 196, 109-121	15.6	41
287	Altered White Matter Microstructure in the Corpus Callosum and Its Cerebral Interhemispheric Tracts in Adolescent Idiopathic Scoliosis: Diffusion Tensor Imaging Analysis. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, 1177-1184	4.4	4
286	A systematic review of current osteoporotic metaphyseal fracture animal models. <i>Bone and Joint Research</i> , <b>2018</b> , 7, 6-11	4.2	21
285	Anterior-posterior length discrepancy of the spinal column in adolescent idiopathic scoliosis-a 3D CT study. <i>Spine Journal</i> , <b>2018</b> , 18, 2259-2265	4	16
284	Comparison of Clinical and Radiologic Outcome of Three-Dimensional Correction in Lenke 5C Curve: Uniplanar Versus Polyaxial Pedicle Screws. <i>World Neurosurgery</i> , <b>2018</b> , 114, e729-e734	2.1	3
283	What Is the Actual 3D Representation of the Rib Vertebra Angle Difference (Mehta Angle)?. <i>Spine</i> , <b>2018</b> , 43, E92-E97	3.3	4
282	Aberrant miR-145-5p/Eatenin signal impairs osteocyte function in adolescent idiopathic scoliosis. <i>FASEB Journal</i> , <b>2018</b> , 32, fj201800281	0.9	16
281	Sexual Dimorphism in Cortical and Trabecular Bone Microstructure Appears During Puberty in Chinese Children. <i>Journal of Bone and Mineral Research</i> , <b>2018</b> , 33, 1948-1955	6.3	5
280	Association between braced curve behavior by pubertal growth peak and bracing effectiveness in female idiopathic scoliosis: a longitudinal cohort study. <i>BMC Musculoskeletal Disorders</i> , <b>2018</b> , 19, 88	2.8	2
279	Normative Standards for HRpQCT Parameters in Chinese Men and Women. <i>Journal of Bone and Mineral Research</i> , <b>2018</b> , 33, 1889-1899	6.3	8
278	Genetic Variant of PAX1 Gene Is Functionally Associated With Adolescent Idiopathic Scoliosis in the Chinese Population. <i>Spine</i> , <b>2018</b> , 43, 492-496	3.3	11
277	Validation Study of the Thumb Ossification Composite Index (TOCI) in Idiopathic Scoliosis: A Stage-to-Stage Correlation with Classic Tanner-Whitehouse and Sanders Simplified Skeletal Maturity Systems. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2018</b> , 100, 88	5.6	10
276	Gonadal shield: is it the Albatross hanging around the neck of developmental dysplasia of the hip research?. <i>Journal of Children's Orthopaedics</i> , <b>2018</b> , 12, 606-613	2.1	4
275	Global sagittal alignment in elderly patients with osteoporosis and its relationship with severity of vertebral fracture and quality of life. <i>Archives of Osteoporosis</i> , <b>2018</b> , 13, 95	2.9	13
274	Trial Protocol: The use of mindfulness-based intervention for improving bracing compliance for adolescent idiopathic scoliosis patients: protocol for a randomised, controlled trial. <i>Journal of Physiotherapy</i> , <b>2018</b> , 64, 193	2.9	0
273	Defining the bone morphometry, micro-architecture and volumetric density profile in osteopenic vs non-osteopenic adolescent idiopathic scoliosis. <i>European Spine Journal</i> , <b>2017</b> , 26, 1586-1594	2.7	7

272	Unique local bone tissue characteristics in iliac crest bone biopsy from adolescent idiopathic scoliosis with severe spinal deformity. <i>Scientific Reports</i> , <b>2017</b> , 7, 40265	4.9	11
271	Upright, prone, and supine spinal morphology and alignment in adolescent idiopathic scoliosis. <i>Scoliosis and Spinal Disorders</i> , <b>2017</b> , 12, 6	1.7	34
270	The Height-Width-Depth Ratios of the Intervertebral Discs and Vertebral Bodies in Adolescent Idiopathic Scoliosis vs Controls in a Chinese Population. <i>Scientific Reports</i> , <b>2017</b> , 7, 46448	4.9	9
269	A wearable exoskeleton suit for motion assistance to paralysed patients. <i>Journal of Orthopaedic Translation</i> , <b>2017</b> , 11, 7-18	4.2	36
268	Genome-wide association study identifies novel susceptible loci and highlights Wnt/beta-catenin pathway in the development of adolescent idiopathic scoliosis. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 1577-1583 <sup>42</sup>	5.6	42
267	Genetic variant of BNC2 gene is functionally associated with adolescent idiopathic scoliosis in Chinese population. <i>Molecular Genetics and Genomics</i> , <b>2017</b> , 292, 789-794	3.1	10
266	Asymmetry of the Vertebral Body and Pedicles in the True Transverse Plane in Adolescent Idiopathic Scoliosis: A CT-Based Study. <i>Spine Deformity</i> , <b>2017</b> , 5, 37-45	2	16
265	Thumb Ossification Composite Index (TOCI) for Predicting Peripubertal Skeletal Maturity and Peak Height Velocity in Idiopathic Scoliosis: A Validation Study of Premenarchal Girls with Adolescent Idiopathic Scoliosis Followed Longitudinally Until Skeletal Maturity. <i>Journal of Bone and Joint Surgery</i> , <b>2017</b> , 99, 188-194	5.6	18
264	Integrated Multidimensional Maturity Assessments Predicting the High-risk Occurrence of Peak Angle Velocity During Puberty in Progressive Female Idiopathic Scoliosis. <i>Clinical Spine Surgery</i> , <b>2017</b> , 30, E491-E496	1.8	8
263	2017 Annual Meeting of the American Society for Bone and Mineral Research, Colorado Convention Center, Denver, CO, USA - September 8-11, 2017. <i>Journal of Bone and Mineral Research</i> , <b>2017</b> , 32, S1-S432	6.3	8
262	Initial Cobb angle reduction velocity following bracing as a new predictor for curve progression in adolescent idiopathic scoliosis. <i>European Spine Journal</i> , <b>2016</b> , 25, 500-5	2.7	15
261	A reliability and validity study for Scolioscan: a radiation-free scoliosis assessment system using 3D ultrasound imaging. <i>Scoliosis and Spinal Disorders</i> , <b>2016</b> , 11, 13	1.7	73
260	Value of Measuring Bone Microarchitecture in Fracture Discrimination in Older Women with Recent Hip Fracture: A Case-control Study with HR-pQCT. <i>Scientific Reports</i> , <b>2016</b> , 6, 34185	4.9	12
259	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. <i>Spine</i> , <b>2016</b> , 41, E598-604	3.3	5
258	Rib-vertebral angle measurements predict brace treatment outcome in Risser grade 0 and premenarchal girls with adolescent idiopathic scoliosis. <i>European Spine Journal</i> , <b>2016</b> , 25, 3088-3094	2.7	7
257	A validation study on the traditional Chinese version of Spinal Appearance Questionnaire for adolescent idiopathic scoliosis. <i>European Spine Journal</i> , <b>2016</b> , 25, 3186-3193	2.7	8
256	A Critical Comparison Between Two Scanning Protocols of High-Resolution Peripheral Quantitative Computed Tomography at the Distal Radius in Adolescents. <i>Journal of Clinical Densitometry</i> , <b>2016</b> , 19, 305-15	3.5	5
255	Validity Study of Vertebral Rotation Measurement Using 3-D Ultrasound in Adolescent Idiopathic Scoliosis. <i>Ultrasound in Medicine and Biology</i> , <b>2016</b> , 42, 1473-81	3.5	13

254	Comparison of the scoliosis curve patterns and MRI syrinx cord characteristics of idiopathic syringomyelia versus Chiari I malformation. <i>European Spine Journal</i> , <b>2016</b> , 25, 517-25	2.7	12
253	Anterior Overgrowth in Primary Curves, Compensatory Curves and Junctional Segments in Adolescent Idiopathic Scoliosis. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160267	3.7	28
252	Lower Muscle Mass and Body Fat in Adolescent Idiopathic Scoliosis Are Associated With Abnormal Leptin Bioavailability. <i>Spine</i> , <b>2016</b> , 41, 940-946	3.3	25
251	Spinal growth velocity versus height velocity in predicting curve progression in peri-pubertal girls with idiopathic scoliosis. <i>BMC Musculoskeletal Disorders</i> , <b>2016</b> , 17, 368	2.8	5
250	Factors favoring regain of the lost vertical spinal height through posterior spinal fusion in adolescent idiopathic scoliosis. <i>Scientific Reports</i> , <b>2016</b> , 6, 29115	4.9	5
249	Multi-disciplinary Orthopaedics Rehabilitation Empowerment (MORE) program: A new standard of care for injured workers in Hong Kong. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , <b>2016</b> , 29, 503-14	1.4	5
248	Prognostic Value of Bone Mineral Density on Curve Progression: A Longitudinal Cohort Study of 513 Girls with Adolescent Idiopathic Scoliosis. <i>Scientific Reports</i> , <b>2016</b> , 6, 39220	4.9	29
247	Radiation dose of digital radiography (DR) versus micro-dose x-ray (EOS) on patients with adolescent idiopathic scoliosis: 2016 SOSORT- IRSSD "John Sevastic Award" Winner in Imaging Research. <i>Scoliosis and Spinal Disorders</i> , <b>2016</b> , 11, 46	1.7	56
246	Semi-automatic Measurement of Scoliotic Angle Using a Freehand 3-D Ultrasound System Scolioscan. <i>IFMBE Proceedings</i> , <b>2016</b> , 341-346	0.2	2
245	Prevalence of vitamin D insufficiency among adolescents and its correlation with bone parameters using high-resolution peripheral quantitative computed tomography. <i>Osteoporosis International</i> , <b>2016</b> , 27, 2477-88	5.3	21
244	Accurate prediction of height loss in adolescent idiopathic scoliosis: Cobb angle alone is insufficient. <i>European Spine Journal</i> , <b>2016</b> , 25, 3341-3346	2.7	5
243	Halo-gravity traction combined with assisted ventilation: an effective pre-operative management for severe adult scoliosis complicated with respiratory dysfunction. <i>European Spine Journal</i> , <b>2016</b> , 25, 2416-22	2.7	15
242	Curve Progression in Adolescent Idiopathic Scoliosis With a Minimum of 12 Years Follow-up After Completed Brace Weaning With Reference to the SRS Standardized Criteria. <i>Spine Deformity</i> , <b>2016</b> , 4, 200-205	2	12
241	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. <i>Osteoporosis International</i> , <b>2015</b> , 26, 1691-703	5.3	45
240	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. <i>Biomaterials</i> , <b>2015</b> , 59, 125-43	15.6	66
239	A population-based cohort study of 394,401 children followed for 10 years exhibits sustained effectiveness of scoliosis screening. <i>Spine Journal</i> , <b>2015</b> , 15, 825-33	4	32
238	Effect of upright position on tonsillar level in adolescent idiopathic scoliosis. <i>European Radiology</i> , <b>2015</b> , 25, 2397-402	8	6
237	MRI-based morphological evidence of spinal cord tethering predicts curve progression in adolescent idiopathic scoliosis. <i>Spine Journal</i> , <b>2015</b> , 15, 1391-401	4	11



236	Landmark constrained registration of high-genus surfaces applied to vestibular system morphometry. <i>Computerized Medical Imaging and Graphics</i> , <b>2015</b> , 44, 1-12	7.6	6
235	Genome-wide association study identifies new susceptibility loci for adolescent idiopathic scoliosis in Chinese girls. <i>Nature Communications</i> , <b>2015</b> , 6, 8355	17.4	76
234	Abnormal Bone Mechanical and Structural Properties in Adolescent Idiopathic Scoliosis: A Study with Finite Element Analysis and Structural Model Index. <i>Calcified Tissue International</i> , <b>2015</b> , 97, 343-52	3.9	18
233	A comparison study on the efficacy of SpinoMed <sup>®</sup> and soft lumbar orthosis for osteoporotic vertebral fracture. <i>Prosthetics and Orthotics International</i> , <b>2015</b> , 39, 270-6	1.5	25
232	Adolescent idiopathic scoliosis. <i>Nature Reviews Disease Primers</i> , <b>2015</b> , 1, 15030	51.1	184
231	Serum 25(OH)vitamin D level and Its correlation with bone mineral density in girls with Adolescent Idiopathic Scoliosis (AIS). <i>Scoliosis</i> , <b>2015</b> , 10,		4
230	HRQoL assessment by SRS-30 for Chinese patients with surgery for Adolescent Idiopathic Scoliosis (AIS). <i>Scoliosis</i> , <b>2015</b> , 10, S19		11
229	A Preliminary Study of Estimation of Cobb <sup>®</sup> Angle From the Spinous Process Angle Using a Clinical Ultrasound Method. <i>Spine Deformity</i> , <b>2015</b> , 3, 476-482	2	6
228	Use of Tranexamic Acid (TXA) on reducing blood loss during scoliosis surgery in Chinese adolescents. <i>Scoliosis</i> , <b>2015</b> , 10, 28		24
227	How Does the Supine MRI Correlate With Standing Radiographs of Different Curve Severity in Adolescent Idiopathic Scoliosis?. <i>Spine</i> , <b>2015</b> , 40, 1206-12	3.3	8
226	Role of Enhanced Central Leptin Activity in a Scoliosis Model Created in Bipedal Amputated Mice. <i>Spine</i> , <b>2015</b> , 40, E1041-5	3.3	8
225	Are there gender differences in sagittal spinal pelvic inclination before and after the adolescent pubertal growth spurt?. <i>European Spine Journal</i> , <b>2015</b> , 24, 1168-74	2.7	10
224	Lifelong bound feet in China: a quantitative ultrasound and lifestyle questionnaire study in postmenopausal women. <i>BMJ Open</i> , <b>2015</b> , 5, e006521	3	5
223	Automatic Localization and Identification of Vertebrae in Spine CT via a Joint Learning Model with Deep Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 515-522	0.9	51
222	Rare variants in FBN1 and FBN2 are associated with severe adolescent idiopathic scoliosis. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 5271-82	5.6	78
221	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. <i>European Spine Journal</i> , <b>2014</b> , 23, 2650-7	2.7	33
220	Brace treatment versus observation alone for scoliosis associated with Chiari I malformation following posterior fossa decompression: a cohort study of 54 patients. <i>European Spine Journal</i> , <b>2014</b> , 23, 1224-31	2.7	7
219	Answer to the letter of the editor T. Cook concerning "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" by Jing Guo et al., <i>Eur Spine J</i> , doi:10.1007/s00586-013-2146-1, <i>European Spine Journal</i> , <b>2014</b> , 23, 1580	2.7	

218	A meta-analysis identifies adolescent idiopathic scoliosis association with LBX1 locus in multiple ethnic groups. <i>Journal of Medical Genetics</i> , <b>2014</b> , 51, 401-6	5.8	58
217	Age-related vessel calcification at distal extremities is a risk factor of osteoporosis. <i>Journal of Orthopaedic Translation</i> , <b>2014</b> , 2, 43-48	4.2	10
216	Are volumetric bone mineral density and bone micro-architecture associated with leptin and soluble leptin receptor levels in adolescent idiopathic scoliosis?--A case-control study. <i>PLoS ONE</i> , <b>2014</b> , 9, e87939	3.7	18
215	A review of pinealectomy-induced melatonin-deficient animal models for the study of etiopathogenesis of adolescent idiopathic scoliosis. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 16484-99	6.3	22
214	Abnormal response of the proliferation and differentiation of growth plate chondrocytes to melatonin in adolescent idiopathic scoliosis. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 17100-14	6.2	26
213	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. <i>American Journal of Neuroradiology</i> , <b>2014</b> , 35, 1621-7	4.4	20
212	Three-dimensional characterization of torsion and asymmetry of the intervertebral discs versus vertebral bodies in adolescent idiopathic scoliosis. <i>Spine</i> , <b>2014</b> , 39, E1159-66	3.3	66
211	Bone structural and mechanical indices in Adolescent Idiopathic Scoliosis evaluated by high-resolution peripheral quantitative computed tomography (HR-pQCT). <i>Bone</i> , <b>2014</b> , 61, 109-15	4.7	30
210	Whither the etiopathogenesis (and scoliogeny) of adolescent idiopathic scoliosis? Incorporating presentations on scoliogeny at the 2012 IRSSD and SRS meetings. <i>Scoliosis</i> , <b>2013</b> , 8, 4		25
209	Effect of whole body vibration (WBV) therapy on bone density and bone quality in osteopenic girls with adolescent idiopathic scoliosis: a randomized, controlled trial. <i>Osteoporosis International</i> , <b>2013</b> , 24, 1623-36	5.3	42
208	Quantitative ultrasound for predicting curve progression in adolescent idiopathic scoliosis: a prospective cohort study of 294 cases followed-up beyond skeletal maturity. <i>Ultrasound in Medicine and Biology</i> , <b>2013</b> , 39, 381-7	3.5	17
207	Volumetric changes in cerebellar regions in adolescent idiopathic scoliosis compared with healthy controls. <i>Spine Journal</i> , <b>2013</b> , 13, 1904-11	4	16
206	Abnormal bone quality versus low bone mineral density in adolescent idiopathic scoliosis: a case-control study with in vivo high-resolution peripheral quantitative computed tomography. <i>Spine Journal</i> , <b>2013</b> , 13, 1493-9	4	29
205	Abnormal Skeletal Growth in Adolescent Idiopathic Scoliosis Is Associated with Abnormal Quantitative Expression of Melatonin Receptor, MT2. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 6345-58	6.3	21
204	Altered topological organization of cortical network in adolescent girls with idiopathic scoliosis. <i>PLoS ONE</i> , <b>2013</b> , 8, e83767	3.7	11
203	Resistive vibration exercise retards bone loss in weight-bearing skeletons during 60 days bed rest. <i>Osteoporosis International</i> , <b>2012</b> , 23, 2169-78	5.3	38
202	Fully automatic stitching of diffusion tensor images in spinal cord. <i>Journal of Neuroscience Methods</i> , <b>2012</b> , 209, 371-8	3	5
201	A new risk classification rule for curve progression in adolescent idiopathic scoliosis. <i>Spine Journal</i> , <b>2012</b> , 12, 989-95	4	23



200	Abnormal cerebral cortical thinning pattern in adolescent girls with idiopathic scoliosis. <i>NeuroImage</i> , <b>2012</b> , 59, 935-42	7.9	33
199	Genetic epidemiology and heritability of AIS: A study of 415 Chinese female patients. <i>Journal of Orthopaedic Research</i> , <b>2012</b> , 30, 1464-9	3.8	31
198	Abnormal skeletal growth patterns in adolescent idiopathic scoliosis--a longitudinal study until skeletal maturity. <i>Spine</i> , <b>2012</b> , 37, E1148-54	3.3	34
197	Abnormal leptin bioavailability in adolescent idiopathic scoliosis: an important new finding. <i>Spine</i> , <b>2012</b> , 37, 599-604	3.3	48
196	Automatic MRI segmentation and morphoanatomy analysis of the vestibular system in adolescent idiopathic scoliosis. <i>NeuroImage</i> , <b>2011</b> , 54 Suppl 1, S180-8	7.9	48
195	Abnormal bone quality in adolescent idiopathic scoliosis: a case-control study on 635 subjects and 269 normal controls with bone densitometry and quantitative ultrasound. <i>Spine</i> , <b>2011</b> , 36, 1211-7	3.3	38
194	Top theories for the etiopathogenesis of adolescent idiopathic scoliosis. <i>Journal of Pediatric Orthopaedics</i> , <b>2011</b> , 31, S14-27	2.4	108
193	Low-intensity pulsed ultrasound enhances posterior spinal fusion implanted with mesenchymal stem cells-calcium phosphate composite without bone grafting. <i>Spine</i> , <b>2011</b> , 36, 1010-6	3.3	26
192	Prognosis and prognostic factors of Legg-Calve-Perthes disease. <i>Journal of Pediatric Orthopaedics</i> , <b>2011</b> , 31, S147-51	2.4	14
191	Abnormal melatonin receptor 1B expression in osteoblasts from girls with adolescent idiopathic scoliosis. <i>Journal of Pineal Research</i> , <b>2011</b> , 50, 395-402	10.4	38
190	A novel statistical morphometry imaging method for differentiating long bone geometry: methodological development and application with adolescent idiopathic scoliosis (AIS) patients. <i>Medical Engineering and Physics</i> , <b>2011</b> , 33, 1103-7	2.4	
189	The effects of pre-ejection period on post-exercise systolic blood pressure estimation using the pulse arrival time technique. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 135-44	3.4	46
188	Rib length asymmetry in thoracic adolescent idiopathic scoliosis: is it primary or secondary?. <i>European Spine Journal</i> , <b>2011</b> , 20, 254-9	2.7	16
187	Asynchronous neuro-osseous growth in adolescent idiopathic scoliosis--MRI-based research. <i>Pediatric Radiology</i> , <b>2011</b> , 41, 1100-11	2.8	10
186	Biomechanical analysis and modeling of different vertebral growth patterns in adolescent idiopathic scoliosis and healthy subjects. <i>Scoliosis</i> , <b>2011</b> , 6, 11		32
185	An updated analysis of pubertal linear growth characteristics and age at menarche in ethnic Chinese. <i>American Journal of Human Biology</i> , <b>2011</b> , 23, 132-7	2.7	17
184	Euclidean geodesic loops on high-genus surfaces applied to the morphometry of vestibular systems. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 14, 384-92	0.9	5
183	Abnormal proliferation and differentiation of osteoblasts from girls with adolescent idiopathic scoliosis to melatonin. <i>Journal of Pineal Research</i> , <b>2010</b> , 49, 69-77	10.4	26

182	Response to article: Adolescent idiopathic scoliosis may not be associated with brain abnormalities. <i>Acta Radiologica</i> , <b>2010</b> , 51, 711; author reply 712		2
181	Treatment of severe clubfoot with manipulation using synthetic cast material and a foam-casting platform: a preliminary report. <i>Journal of Pediatric Orthopaedics Part B</i> , <b>2010</b> , 19, 164-70	1.4	5
180	How well do radiological measurements correlate with cosmetic indices in adolescent idiopathic scoliosis with Lenke 5, 6 curve types?. <i>Spine</i> , <b>2010</b> , 35, E882-8	3.3	7
179	Re: Szalay EA, Bosch P, Schwend RM, et al. Adolescents with idiopathic scoliosis are not osteoporotic. <i>Spine</i> 2008;33:802-6. <i>Spine</i> , <b>2010</b> , 35, 130; author reply 130-1	3.3	1
178	A meta-analysis of the clinical effectiveness of school scoliosis screening. <i>Spine</i> , <b>2010</b> , 35, 1061-71	3.3	95
177	Lack of association between the promoter polymorphisms of MMP-3 and IL-6 genes and adolescent idiopathic scoliosis: a case-control study in a Chinese Han population. <i>Spine</i> , <b>2010</b> , 35, 1701-5	3.3	20
176	Involvement of calcitonin gene-related peptide innervation in the promoting effect of low-intensity pulsed ultrasound on spinal fusion without decortication. <i>Spine</i> , <b>2010</b> , 35, E1539-45	3.3	11
175	Costs of school scoliosis screening: a large, population-based study. <i>Spine</i> , <b>2010</b> , 35, 2266-72	3.3	23
174	Clinical effectiveness of school screening for adolescent idiopathic scoliosis: a large population-based retrospective cohort study. <i>Spine</i> , <b>2010</b> , 35, 1607-14	3.3	89
173	Referral criteria for school scoliosis screening: assessment and recommendations based on a large longitudinally followed cohort. <i>Spine</i> , <b>2010</b> , 35, E1492-8	3.3	28
172	The association of disproportionate skeletal growth and abnormal radius dimension ratio with curve severity in adolescent idiopathic scoliosis. <i>European Spine Journal</i> , <b>2010</b> , 19, 726-31	2.7	24
171	Fast and accurate 3-D registration of HR-pQCT images. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2010</b> , 14, 1291-7		5
170	Shape analysis of vestibular systems in adolescent idiopathic scoliosis using geodesic spectra. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 13, 538-46	0.9	13
169	Volume-based morphometry of brain MR images in adolescent idiopathic scoliosis and healthy control subjects. <i>American Journal of Neuroradiology</i> , <b>2009</b> , 30, 1302-7	4.4	30
168	Segmentation of human skull in MRI using statistical shape information from CT data. <i>Journal of Magnetic Resonance Imaging</i> , <b>2009</b> , 30, 490-8	5.6	10
167	Discrepancy between radiographic shoulder balance and cosmetic shoulder balance in adolescent idiopathic scoliosis patients with double thoracic curve. <i>European Spine Journal</i> , <b>2009</b> , 18, 45-51	2.7	72
166	Promoter polymorphism of matrilin-1 gene predisposes to adolescent idiopathic scoliosis in a Chinese population. <i>European Journal of Human Genetics</i> , <b>2009</b> , 17, 525-32	5.3	76
165	A comparison of morphometric techniques for studying the shape of the corpus callosum in adolescent idiopathic scoliosis. <i>NeuroImage</i> , <b>2009</b> , 45, 738-48	7.9	21

164	Correlation of Risser sign, radiographs of hand and wrist with the histological grade of iliac crest apophysis in girls with adolescent idiopathic scoliosis. <i>Spine</i> , <b>2009</b> , 34, 1849-54	3.3	30
163	Relative shortening and functional tethering of spinal cord in adolescent scoliosis - Result of asynchronous neuro-osseous growth, summary of an electronic focus group debate of the IBSE. <i>Scoliosis</i> , <b>2008</b> , 3, 8		43
162	The effect of rigid versus flexible spinal orthosis on the gait pattern of patients with adolescent idiopathic scoliosis. <i>Gait and Posture</i> , <b>2008</b> , 27, 189-95	2.6	21
161	Adolescent idiopathic scoliosis. <i>Lancet, The</i> , <b>2008</b> , 371, 1527-37	40	684
160	Association study between adolescent idiopathic scoliosis and the DPP9 gene which is located in the candidate region identified by linkage analysis. <i>Postgraduate Medical Journal</i> , <b>2008</b> , 84, 498-501	2	8
159	Clinical Monitoring of Bone Mineralization in Distraction Osteogenesis Using DXA <b>2008</b> , 619-633		
158	Morphological and functional electrophysiological evidence of relative spinal cord tethering in adolescent idiopathic scoliosis. <i>Spine</i> , <b>2008</b> , 33, 673-80	3.3	35
157	Impaired dynamic balance control in adolescents with idiopathic scoliosis and abnormal somatosensory evoked potentials. <i>Journal of Pediatric Orthopaedics</i> , <b>2008</b> , 28, 846-9	2.4	46
156	Accuracy of thoracic vertebral screw insertion in adolescent idiopathic scoliosis: a comparison between thoracoscopic and mini-open thoracotomy approaches. <i>Spine</i> , <b>2008</b> , 33, 2637-42	3.3	6
155	The effect of rigid versus flexible spinal orthosis on the clinical efficacy and acceptance of the patients with adolescent idiopathic scoliosis. <i>Spine</i> , <b>2008</b> , 33, 1360-5	3.3	72
154	Do adolescents with a severe idiopathic scoliosis have higher locations of the conus medullaris than healthy adolescents?. <i>Journal of Pediatric Orthopaedics</i> , <b>2008</b> , 28, 669-73	2.4	8
153	Bone mineral accrual in osteopenic and non-osteopenic girls with idiopathic scoliosis during bracing treatment. <i>Spine</i> , <b>2008</b> , 33, 1682-9	3.3	19
152	Lack of association between the promoter polymorphism of the MTNR1A gene and adolescent idiopathic scoliosis. <i>Spine</i> , <b>2008</b> , 33, 2204-7	3.3	21
151	Discriminative analysis of skull morphology in adolescent idiopathic scoliosis patients: Comparative study with normal controls. <i>Pattern Recognition</i> , <b>2008</b> , 41, 2800-2811	7.7	1
150	The changes of relative position of the thoracic aorta after anterior or posterior instrumentation of type I Lenke curve in adolescent idiopathic thoracic scoliosis. <i>European Spine Journal</i> , <b>2008</b> , 17, 1019-26	2.7	16
149	MR analysis of regional brain volume in adolescent idiopathic scoliosis: neurological manifestation of a systemic disease. <i>Journal of Magnetic Resonance Imaging</i> , <b>2008</b> , 27, 732-6	5.6	30
148	Quantification of Porosity, Connectivity and Material Density of Calcium Phosphate Ceramic Implants Using Micro-Computed Tomography <b>2007</b> , 289-305		3
147	Dynamic magnetic resonance imaging in assessing lung function in adolescent idiopathic scoliosis: a pilot study of comparison before and after posterior spinal fusion. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2007</b> , 2, 20	2.8	21

146	Can Basic Fibroblast Growth Factor Pre-Treatment Enhance Mesenchymal Stem Cell Therapy in Undecorticated Posterior Spinal Fusion?. <i>Key Engineering Materials</i> , <b>2007</b> , 330-332, 1137-1140	0.4	
145	Mesenchymal Stem Cell Derived Osteogenic Cells Is Superior to Bone Marrow Aspirate Impregnated Biomaterial Complex in Posterior Spinal Fusion. <i>Key Engineering Materials</i> , <b>2007</b> , 330-332, 1149-1152	0.4	
144	Objective Quantification of Porous Structure in Orthopaedic Biomaterial Implants Using Micro Computed Tomography. <i>Key Engineering Materials</i> , <b>2007</b> , 334-335, 1205-1208	0.4	
143	Bio-Engineered Mesenchymal Stem Cell-Tricalcium Phosphate Ceramics Composite Augmented Bone Regeneration in Posterior Spinal Fusion. <i>Key Engineering Materials</i> , <b>2007</b> , 334-335, 1201-1204	0.4	1
142	Genetic association study of growth hormone receptor and idiopathic scoliosis. <i>Clinical Orthopaedics and Related Research</i> , <b>2007</b> , 462, 53-8	2.2	25
141	Genetic association of complex traits: using idiopathic scoliosis as an example. <i>Clinical Orthopaedics and Related Research</i> , <b>2007</b> , 462, 38-44	2.2	58
140	A detailed morphologic and functional magnetic resonance imaging study of the craniocervical junction in adolescent idiopathic scoliosis. <i>Spine</i> , <b>2007</b> , 32, 1667-74	3.3	22
139	Melatonin receptor 1B (MTNR1B) gene polymorphism is associated with the occurrence of adolescent idiopathic scoliosis. <i>Spine</i> , <b>2007</b> , 32, 1748-53	3.3	105
138	Persistent osteopenia in adolescent idiopathic scoliosis (AIS) IFactors predisposing to generalized osteopenia, a cross-sectional and longitudinal investigation. <i>International Congress Series</i> , <b>2007</b> , 1297, 25-31		5
137	Deploying Chinese Visible Human Data on Anatomical Exploration: From Western Medicine to Chinese Acupuncture <b>2007</b> , 351-360		
136	Bone Densitometries in Assessing Bone Mineral and Structural Profiles in Patients with Adolescent Idiopathic Scoliosis <b>2007</b> , 307-322		
135	Bio-imaging Technologies in Studying Bone-Biomaterial Interface: Applications in Experimental Spinal Fusion Model <b>2007</b> , 333-351		
134	Landmark correspondence optimization for coupled surfaces. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 10, 818-25	0.9	1
133	Photorealistic virtual anatomy based on Chinese Visible Human data. <i>Clinical Anatomy</i> , <b>2006</b> , 19, 232-9	2.5	12
132	Low intensity pulsed ultrasound accelerated bone remodeling during consolidation stage of distraction osteogenesis. <i>Journal of Orthopaedic Research</i> , <b>2006</b> , 24, 263-70	3.8	53
131	Dose-dependent effect of low-intensity pulsed ultrasound on callus formation during rapid distraction osteogenesis. <i>Journal of Orthopaedic Research</i> , <b>2006</b> , 24, 2072-9	3.8	57
130	Curve correction effect of rigid spinal orthosis in different recumbent positions in adolescent idiopathic scoliosis (AIS): a pilot MRI study. <i>Prosthetics and Orthotics International</i> , <b>2006</b> , 30, 136-44	1.5	1
129	The effect of backpack weight on the standing posture and balance of schoolgirls with adolescent idiopathic scoliosis and normal controls. <i>Gait and Posture</i> , <b>2006</b> , 24, 173-81	2.6	80

128	Virtual reality techniques. Application to anatomic visualization and orthopaedics training. <i>Clinical Orthopaedics and Related Research</i> , <b>2006</b> , 442, 5-12	2.2	31
127	A relook into the association of the estrogen receptor [alpha] gene (PvuII, XbaI) and adolescent idiopathic scoliosis: a study of 540 Chinese cases. <i>Spine</i> , <b>2006</b> , 31, 2463-8	3.3	50
126	Relative shortening and functional tethering of spinal cord in adolescent idiopathic scoliosis?: study with multiplanar reformat magnetic resonance imaging and somatosensory evoked potential. <i>Spine</i> , <b>2006</b> , 31, E19-25	3.3	71
125	Generalized osteopenia in adolescent idiopathic scoliosis--association with abnormal pubertal growth, bone turnover, and calcium intake?. <i>Spine</i> , <b>2006</b> , 31, 330-8	3.3	67
124	Balance control in adolescents with idiopathic scoliosis and disturbed somatosensory function. <i>Spine</i> , <b>2006</b> , 31, E437-40	3.3	96
123	Dynamic magnetic resonance imaging in assessing lung volumes, chest wall, and diaphragm motions in adolescent idiopathic scoliosis versus normal controls. <i>Spine</i> , <b>2006</b> , 31, 2243-9	3.3	42
122	Histomorphometric study of the spinal growth plates in idiopathic scoliosis and congenital scoliosis. <i>Pediatrics International</i> , <b>2006</b> , 48, 591-8	1.2	39
121	The effect of load carriage on the gait of girls with adolescent idiopathic scoliosis and normal controls. <i>Medical Engineering and Physics</i> , <b>2006</b> , 28, 430-7	2.4	24
120	Morphometric analysis for pathological abnormality detection in the skull vaults of adolescent idiopathic scoliosis girls. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 9, 175-82	0.9	10
119	The effect of backpack load on the gait of normal adolescent girls. <i>Ergonomics</i> , <b>2005</b> , 48, 642-56	2.9	110
118	Effects of backpack loading on the pulmonary capacities of normal schoolgirls and those with adolescent idiopathic scoliosis. <i>Spine</i> , <b>2005</b> , 30, E649-54	3.3	16
117	Bone mineral density and calcium metabolism of Hong Kong Chinese postpartum women--a 1-y longitudinal study. <i>European Journal of Clinical Nutrition</i> , <b>2005</b> , 59, 868-76	5.2	22
116	Generalized low bone mass of girls with adolescent idiopathic scoliosis is related to inadequate calcium intake and weight bearing physical activity in peripubertal period. <i>Osteoporosis International</i> , <b>2005</b> , 16, 1024-35	5.3	65
115	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. <i>Osteoporosis International</i> , <b>2005</b> , 16, 1907-16	5.3	27
114	Association of osteopenia with curve severity in adolescent idiopathic scoliosis: a study of 919 girls. <i>Osteoporosis International</i> , <b>2005</b> , 16, 1924-32	5.3	79
113	Relative anterior spinal overgrowth in adolescent idiopathic scoliosis--result of disproportionate endochondral-membranous bone growth? Summary of an electronic focus group debate of the IBSE. <i>European Spine Journal</i> , <b>2005</b> , 14, 862-73	2.7	54
112	Osteopenia: a new prognostic factor of curve progression in adolescent idiopathic scoliosis. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2005</b> , 87, 2709-2716	5.6	84
111	A work study of the CAD/CAM method and conventional manual method in the fabrication of spinal orthoses for patients with adolescent idiopathic scoliosis. <i>Prosthetics and Orthotics International</i> , <b>2005</b> , 29, 93-104	1.5	22

110	A comparison of treatment effectiveness between the CAD/CAM method and the manual method for managing adolescent idiopathic scoliosis. <i>Prosthetics and Orthotics International</i> , <b>2005</b> , 29, 105-11	1.5	38
109	A cross-sectional study on the development of foot arch function of 2715 Chinese children. <i>Prosthetics and Orthotics International</i> , <b>2005</b> , 29, 241-53	1.5	13
108	Temporal and Spatial Expression Pattern of VEGF and VEGF Receptor in the Posterior Spinal Fusion with Allograft. <i>Key Engineering Materials</i> , <b>2005</b> , 288-289, 491-494	0.4	4
107	Contact force ratio: a new parameter to assess foot arch function. <i>Prosthetics and Orthotics International</i> , <b>2004</b> , 28, 167-74	1.5	8
106	Orthotic design and foot impression procedures to control foot alignment. <i>Prosthetics and Orthotics International</i> , <b>2004</b> , 28, 254-62	1.5	4
105	The Chinese Visible Human (CVH) datasets incorporate technical and imaging advances on earlier digital humans. <i>Journal of Anatomy</i> , <b>2004</b> , 204, 165-73	2.9	98
104	A virtual-reality training system for knee arthroscopic surgery. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2004</b> , 8, 217-27		67
103	Bone densitometry: which skeletal sites are best predicted by bone mass determinants?. <i>Journal of Bone and Mineral Metabolism</i> , <b>2004</b> , 22, 447-55	2.9	10
102	Correlations of calcaneal QUS with pQCT measurements at distal tibia and non-weight-bearing distal radius. <i>Journal of Bone and Mineral Metabolism</i> , <b>2004</b> , 22, 486-90	2.9	12
101	Evaluation of the expression of collagen type I in porous calcium phosphate ceramics implanted in an extra-osseous site. <i>Biomaterials</i> , <b>2004</b> , 25, 659-67	15.6	29
100	Continuous pulse oximeter monitoring for inapparent hypoxemia after long bone fractures. <i>Journal of Trauma</i> , <b>2004</b> , 56, 356-62		19
99	Percutaneous Transphyseal Intramedullary Kirschner Wire Pinning: A Safe and Effective Procedure for Treatment of Displaced Diaphyseal Forearm Fracture in Children. <i>Journal of Pediatric Orthopaedics</i> , <b>2004</b> , 24, 7-12	2.4	46
98	New Technique for Early Screening of Developmental Dysplasia of the Hip: Pilot Study. <i>Journal of Pediatric Orthopaedics</i> , <b>2003</b> , 23, 347-351	2.4	7
97	. <i>Spine</i> , <b>2003</b> , 28, 815-818	3.3	3
96	Redefining the Magnetic Resonance Imaging Reference Level for the Cerebellar Tonsil. <i>Spine</i> , <b>2003</b> , 28, 815-818	3.3	11
95	Abnormal peri-pubertal anthropometric measurements and growth pattern in adolescent idiopathic scoliosis: a study of 598 patients. <i>Spine</i> , <b>2003</b> , 28, 2152-7	3.3	114
94	The effect of hyaluronan on osteoblast proliferation and differentiation in rat calvarial-derived cell cultures. <i>Journal of Biomedical Materials Research Part B</i> , <b>2003</b> , 66, 880-4		122
93	Acoustic transmission in normal human hips: structural testing of joint symmetry. <i>Medical Engineering and Physics</i> , <b>2003</b> , 25, 811-6	2.4	7



92	Unintentional residential child injury surveillance in Hong Kong. <i>Journal of Paediatrics and Child Health</i> , <b>2003</b> , 39, 420-6	1.3	11
91	Relative anterior spinal overgrowth in adolescent idiopathic scoliosis. Results of disproportionate endochondral-membranous bone growth. <i>Journal of Bone and Joint Surgery: British Volume</i> , <b>2003</b> , 85, 1026-31		149
90	Redefining the magnetic resonance imaging reference level for the cerebellar tonsil: a study of 170 adolescents with normal versus idiopathic scoliosis. <i>Spine</i> , <b>2003</b> , 28, 815-8	3.3	16
89	Patterns of bone diseases in transfusion-dependent homozygous thalassaemia major: predominance of osteoporosis and desferrioxamine-induced bone dysplasia. <i>Pediatric Radiology</i> , <b>2002</b> , 32, 492-7	2.8	47
88	Bone mineralization gradient at the callotasis site. <i>Journal of Orthopaedic Science</i> , <b>2002</b> , 7, 331-40	1.6	4
87	Recombinant human bone morphogenetic protein-4 (rhBMP-4) enhanced posterior spinal fusion without decortication. <i>Journal of Orthopaedic Research</i> , <b>2002</b> , 20, 740-6	3.8	30
86	Histological and ultrastructural analysis of heterotopic osteogenesis in porous calcium phosphate ceramics. <i>Journal of Materials Science Letters</i> , <b>2002</b> , 21, 153-155		6
85	Adjusting bone mass for differences in projected bone area and other confounding variables: an allometric perspective. <i>Journal of Bone and Mineral Research</i> , <b>2002</b> , 17, 703-8	6.3	41
84	. <i>Journal of Pediatric Orthopaedics</i> , <b>2002</b> , 22, 244-248	2.4	5
83	. <i>Journal of Pediatric Orthopaedics</i> , <b>2002</b> , 22, 296-301	2.4	4
82	Imaging of musculoskeletal tuberculosis: a new look at an old disease. <i>Clinical Orthopaedics and Related Research</i> , <b>2002</b> , 32-9	2.2	97
81	How does recombinant human bone morphogenetic protein-4 enhance posterior spinal fusion?. <i>Spine</i> , <b>2002</b> , 27, 467-74	3.3	22
80	Edge surface extraction from 3D images <b>2001</b> ,		6
79	Validating narrative data on residential child injury. <i>Journal of Safety Research</i> , <b>2001</b> , 32, 377-389	4	2
78	Acute elbow trauma in children: spectrum of injury revealed by MR imaging not apparent on radiographs. <i>American Journal of Roentgenology</i> , <b>2001</b> , 176, 53-60	5.4	55
77	The Ultrastructural Analysis of Heterotopic Osteogenesis in Porous Biphasic Calcium Phosphate Ceramics. <i>Key Engineering Materials</i> , <b>2001</b> , 218-220, 613-616	0.4	1
76	MR imaging of children's knees. <i>Clinical Radiology</i> , <b>2001</b> , 56, 631-46	2.9	2
75	Snapping during manual stretching in congenital muscular torticollis. <i>Clinical Orthopaedics and Related Research</i> , <b>2001</b> , 237-44	2.2	36

74	Clinical determinants of the outcome of manual stretching in the treatment of congenital muscular torticollis in infants. A prospective study of eight hundred and twenty-one cases. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2001</b> , 83, 679-87	5.6	180
73	Epidemiological Features of Supracondylar Fractures of the Humerus in Chinese Children. <i>Journal of Pediatric Orthopaedics Part B</i> , <b>2001</b> , 10, 63-67	1.4	9
72	Nanoindentation study of interfaces between calcium phosphate and bone in an animal spinal fusion model <b>2001</b> , 54, 554		1
71	Longitudinal changes in trunkal balance after selective fusion of King II curves in adolescent idiopathic scoliosis. <i>Spine</i> , <b>2000</b> , 25, 1352-9	3.3	42
70	Discovering knowledge from noisy databases using genetic programming. <i>Journal of the Association for Information Science and Technology</i> , <b>2000</b> , 51, 870-881		6
69	Correlation of ultrasonographic imaging of congenital muscular torticollis with clinical assessment in infants. <i>Ultrasound in Medicine and Biology</i> , <b>2000</b> , 26, 1237-41	3.5	51
68	Generalized low areal and volumetric bone mineral density in adolescent idiopathic scoliosis. <i>Journal of Bone and Mineral Research</i> , <b>2000</b> , 15, 1587-95	6.3	132
67	Deferoxamine-induced bone dysplasia in the distal femur and patella of pediatric patients and young adults: MR imaging appearance. <i>American Journal of Roentgenology</i> , <b>2000</b> , 175, 1561-6	5.4	18
66	Identification and purification of an intrinsic human muscle myogenic factor that enhances muscle repair and regeneration. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 384, 263-8	4.1	6
65	The clinical presentation and outcome of treatment of congenital muscular torticollis in infants--a study of 1,086 cases. <i>Journal of Pediatric Surgery</i> , <b>2000</b> , 35, 1091-6	2.6	202
64	MRI evaluation of multifidus muscles in adolescent idiopathic scoliosis. <i>Pediatric Radiology</i> , <b>1999</b> , 29, 360-3	2.8	41
63	Axial and peripheral bone mineral acquisition: a 3-year longitudinal study in Chinese adolescents. <i>European Journal of Pediatrics</i> , <b>1999</b> , 158, 506-12	4.1	29
62	Medical data mining using evolutionary computation. <i>Artificial Intelligence in Medicine</i> , <b>1999</b> , 16, 73-96	7.4	31
61	Bone mineralization at the callotasis site after completion of lengthening. <i>Bone</i> , <b>1999</b> , 25, 333-8	4.7	30
60	Sternocleidomastoid pseudotumor and congenital muscular torticollis in infants: a prospective study of 510 cases. <i>Journal of Pediatrics</i> , <b>1999</b> , 134, 712-6	3.6	79
59	Outcome of Surgical Treatment of Congenital Muscular Torticollis. <i>Clinical Orthopaedics and Related Research</i> , <b>1999</b> , 362, 190-200	2.2	51
58	Correlation between curve severity, somatosensory evoked potentials, and magnetic resonance imaging in adolescent idiopathic scoliosis. <i>Spine</i> , <b>1999</b> , 24, 1679-84	3.3	75
57	Persistent osteopenia in adolescent idiopathic scoliosis. A longitudinal follow up study. <i>Spine</i> , <b>1999</b> , 24, 1218-22	3.3	106

56	. <i>Journal of Pediatric Orthopaedics</i> , <b>1999</b> , 19, 344-350	2.4	40
55	Decompression and Stable Internal Fixation of Femoral Neck Fractures in Children Can Affect the Outcome. <i>Journal of Pediatric Orthopaedics</i> , <b>1999</b> , 19, 338-343	2.4	64
54	Lengthening of a one-bone forearm. A sequel of neonatal osteomyelitis. <i>Journal of Hand Surgery</i> , <b>1998</b> , 23, 453-6		5
53	Telemedicine conference on a 13-year-old Chinese girl with an unusual skeletal condition. <i>Journal of Telemedicine and Telecare</i> , <b>1998</b> , 4, 120-1	6.8	
52	Determinants of axial and peripheral bone mass in Chinese adolescents. <i>Archives of Disease in Childhood</i> , <b>1998</b> , 78, 524-30	2.2	37
51	Pseudoaneurysm after high tibial osteotomy and limb lengthening. <i>Clinical Orthopaedics and Related Research</i> , <b>1998</b> , 175-9	2.2	30
50	Posterior tibial nerve somatosensory cortical evoked potentials in adolescent idiopathic scoliosis. <i>Spine</i> , <b>1998</b> , 23, 332-7	3.3	30
49	Letter In Response. <i>Spine</i> , <b>1998</b> , 23, 959-960	3.3	
48	The conservative management of acute pyogenic iliopsoas abscess in children. <i>Journal of Bone and Joint Surgery: British Volume</i> , <b>1998</b> , 80, 83-5		21
47	Percutaneous intramedullary Kirschner wiring for displaced diaphyseal forearm fractures in children. <i>Journal of Bone and Joint Surgery: British Volume</i> , <b>1998</b> , 80, 91-4		38
46	Severe progressive deformities after limb lengthening in type-II fibular hemimelia. <i>Journal of Bone and Joint Surgery: British Volume</i> , <b>1998</b> , 80, 772-6		20
45	. <i>Journal of Pediatric Orthopaedics</i> , <b>1998</b> , 18, 161-167	2.4	5
44	. <i>Journal of Pediatric Orthopaedics</i> , <b>1998</b> , 18, 387-393	2.4	12
43	Osteopenia in adolescent idiopathic scoliosis. A primary problem or secondary to the spinal deformity?. <i>Spine</i> , <b>1997</b> , 22, 1716-21	3.3	83
42	Knee arthroscopy in Chinese children and adolescents: an eight-year prospective study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>1997</b> , 13, 18-23	5.4	29
41	Bone mineral acquisition in low calcium intake children following the withdrawal of calcium supplement. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>1997</b> , 86, 570-6	3.1	69
40	The hypertrophic scar and microcirculation properties. <i>Burns</i> , <b>1996</b> , 22, 447-50	2.3	36
39	Mechanical properties of normal skin and hypertrophic scars. <i>Burns</i> , <b>1996</b> , 22, 443-6	2.3	118

38	A follow-up study on the effects of calcium-supplement withdrawal and puberty on bone acquisition of children. <i>American Journal of Clinical Nutrition</i> , <b>1996</b> , 64, 71-7	7	159
37	Paediatric sports injuries in Hong Kong: a seven year survey. <i>British Journal of Sports Medicine</i> , <b>1996</b> , 30, 218-21	10.3	27
36	Femoral Lengthening After Type IVB Septic Arthritis of the Hip in Children. <i>Journal of Pediatric Orthopaedics</i> , <b>1996</b> , 16, 533-539	2.4	13
35	Closed reduction and percutaneous pinning for type III displaced supracondylar fractures of the humerus in children. <i>Journal of Orthopaedic Trauma</i> , <b>1995</b> , 9, 511-5	3.1	123
34	A randomized double-blind controlled calcium supplementation trial, and bone and height acquisition in children. <i>British Journal of Nutrition</i> , <b>1995</b> , 74, 125-39	3.6	119
33	Double-blind, controlled calcium supplementation and bone mineral accretion in children accustomed to a low-calcium diet. <i>American Journal of Clinical Nutrition</i> , <b>1994</b> , 60, 744-50	7	192
32	Congenital pseudarthrosis of the ulna. <i>Journal of Hand Surgery</i> , <b>1994</b> , 19, 238-43		25
31	Ultrasonographic hip morphometry in infants. <i>Journal of Pediatric Orthopaedics</i> , <b>1994</b> , 14, 24-8	2.4	13
30	Infantile Torticollis. <i>Journal of Pediatric Orthopaedics</i> , <b>1994</b> , 14, 802-808	2.4	180
29	Response of fingertip circulation to local warming in the injured hand--a study using laser Doppler flowmetry. <i>Journal of Hand Surgery</i> , <b>1993</b> , 18, 770-3		1
28	Pyomyositis and staphylococcal scalded skin syndrome. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>1993</b> , 82, 113-5	3.1	7
27	Translation of the radius as a predictor of outcome in distal radial fractures of children. <i>Journal of Bone and Joint Surgery: British Volume</i> , <b>1993</b> , 75, 808-11		64
26	Voluntary habitual dislocation of the hip: sonographic diagnosis. <i>Pediatric Radiology</i> , <b>1993</b> , 23, 147-8	2.8	7
25	Ultrasonography of congenital muscular torticollis. <i>Pediatric Radiology</i> , <b>1992</b> , 22, 356-60	2.8	61
24	Angular and rotational profile of the lower limb in 2,630 Chinese children. <i>Journal of Pediatric Orthopaedics</i> , <b>1991</b> , 11, 154-61	2.4	50
23	Joint laxity in children. <i>Journal of Pediatric Orthopaedics</i> , <b>1991</b> , 11, 752-6	2.4	60
22	Distraction lengthening of the forearm. <i>Journal of Hand Surgery</i> , <b>1991</b> , 16, 441-5		26
21	Dynamic pressure therapy for scars in the finger web spaces. <i>Journal of Hand Surgery</i> , <b>1991</b> , 16, 176-7	2.6	3

20	An analysis of 1704 burn injuries in Hong Kong children. <i>Burns</i> , <b>1990</b> , 16, 182-4	2.3	48
19	Glutaraldehyde-treated bioprosthesis substitute for rabbit Achilles tendon. <i>Biomaterials</i> , <b>1989</b> , 10, 258-64	2.6	3
18	Cot death and prone sleeping position <b>1989</b> , 298, 1519-1519		3
17	Primary malignant lymphoma of the deep tissues of the hand. <i>Journal of Hand Surgery</i> , <b>1988</b> , 13, 683-6	2.6	10
16	Mechanical characterisation of human postburn hypertrophic skin during pressure therapy. <i>Journal of Biomechanics</i> , <b>1987</b> , 20, 397-406	2.9	37
15	Classification of 578 cases of congenital upper limb anomalies with the IFSSH system--a 10 yearsQ experience. <i>Journal of Hand Surgery</i> , <b>1987</b> , 12, 1055-60	2.6	29
14	Surgery for neglected congenital torticollis. <i>Acta Orthopaedica</i> , <b>1987</b> , 58, 270-2		26
13	Burn contractures of the foot. <i>Foot &amp; Ankle</i> , <b>1986</b> , 6, 289-94		15
12	An unusual cause of wrist pain. <i>Journal of Hand Surgery</i> , <b>1986</b> , 11, 221-2		7
11	Burn contracture of the neck-axillary region. <i>Burns</i> , <b>1986</b> , 12, 465-9	2.3	2
10	Use of bioprosthesis tendon in digital pulley reconstruction--an experimental study. <i>Journal of Hand Surgery</i> , <b>1986</b> , 11, 225-30		9
9	The place of the dynamic compression plate in femoral shaft fractures. <i>Injury</i> , <b>1985</b> , 16, 529-34	2.5	18
8	Psychosocial adjustment of victims of occupational hand injuries. <i>Social Science and Medicine</i> , <b>1985</b> , 20, 493-7	5.1	30
7	The management of type III open tibial fractures. <i>Injury</i> , <b>1984</b> , 16, 157-65	2.5	34
6	The Krukenberg procedure: a method of treatment for unilateral anomalies of the upper limb in Chinese children. <i>Journal of Hand Surgery</i> , <b>1984</b> , 9, 548-51	2.6	10
5	Pressure therapy in the treatment of post-burn hypertrophic scar--a critical look into its usefulness and fallacies by pressure monitoring. <i>Burns</i> , <b>1984</b> , 10, 154-63	2.3	109
4	Complications of pressure therapy for post-burn hypertrophic scars. Biomechanical analysis based on 5 patients. <i>Burns</i> , <b>1984</b> , 10, 434-8	2.3	38
3	Polydactyly of the thumb: a surgical plan based on ninety-five cases. <i>Journal of Hand Surgery</i> , <b>1984</b> , 9, 155-64	2.6	49

2	Congenital anomalies of the upper limb among the Chinese population in Hong Kong. <i>Journal of Hand Surgery</i> , <b>1982</b> , 7, 563-5	2.6	34
1	Template-matching approach to edge detection of volume data		3