

Jianguo Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,135
citations

394421

19
h-index

501196

28
g-index

89
all docs

89
docs citations

89
times ranked

1208
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk factors of postoperative pulmonary complications after primary posterior fusion and hemivertebra resection in congenital scoliosis patients younger than 10 years old: a retrospective study. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 89.	1.9	1
2	DrABC: deep learning accurately predicts germline pathogenic mutation status in breast cancer patients based on phenotype data. <i>Genome Medicine</i> , 2022, 14, 21.	8.2	4
3	Diagnostic yield and clinical impact of exome sequencing in early-onset scoliosis (EOS). <i>Journal of Medical Genetics</i> , 2021, 58, 41-47.	3.2	40
4	Posterior fossa decompression with or without duraplasty for patients with chiari type I malformation and basilar impression: a meta-analysis. <i>European Spine Journal</i> , 2021, 30, 454-460.	2.2	2
5	How to select the lowest instrumented vertebra in Lenke type 5 adolescent idiopathic scoliosis patients?. <i>Spine Journal</i> , 2021, 21, 141-149.	1.3	14
6	Severe complications and management of a patient with myasthenia gravis undergoing anterior cervical spinal surgery: a case report. <i>Annals of Palliative Medicine</i> , 2021, .	1.2	0
7	Perturbations of genes essential for Müllerian duct and Wolffian duct development in Mayer-Rokitansky-Küster-Hauser syndrome. <i>American Journal of Human Genetics</i> , 2021, 108, 337-345.	6.2	41
8	Chondrogenesis mediates progression of ankylosing spondylitis through heterotopic ossification. <i>Bone Research</i> , 2021, 9, 19.	11.4	32
9	Exome sequencing reveals genetic architecture in patients with isolated or syndromic short stature. <i>Journal of Genetics and Genomics</i> , 2021, 48, 396-402.	3.9	21
10	Tranexamic acid given into wound reduces postoperative drainage, blood loss, and hospital stay in spinal surgeries: a meta-analysis. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 401.	2.3	12
11	Whole Exome Sequencing Uncovered the Genetic Architecture of Growth Hormone Deficiency Patients. <i>Frontiers in Endocrinology</i> , 2021, 12, 711991.	3.5	6
12	Outcomes of Posterior Lumbar Hemivertebra Resection and Short Fusion in Patients With Severe Sacral Tilt. <i>Neurospine</i> , 2021, 18, 562-569.	2.9	4
13	Risk factors for blood transfusion in adolescent patients with scoliosis undergoing scoliosis surgery: a study of 722 cases in a single center. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 13.	1.9	9
14	Transient tracheal stenosis due to trachea compression and stretching after spinal deformity correction surgery. <i>Journal of Clinical Anesthesia</i> , 2021, 75, 110542.	1.6	0
15	<i>TBX6</i> missense variants expand the mutational spectrum in a non-Mendelian inheritance disease. <i>Human Mutation</i> , 2020, 41, 182-195.	2.5	27
16	Front Cover, Volume 41, Issue 1. <i>Human Mutation</i> , 2020, 41, i.	2.5	0
17	Identification of novel FBN1 variations implicated in congenital scoliosis. <i>Journal of Human Genetics</i> , 2020, 65, 221-230.	2.3	20
18	The 100 Top-Cited Articles on Spinal Deformity. <i>Spine</i> , 2020, 45, 275-283.	2.0	24

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19	Genetic and molecular mechanism for distinct clinical phenotypes conveyed by allelic truncating mutations implicated in <i>FBN1</i> . <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1023.	1.2	19
20	Transcriptome-wide Sequencing Reveals Molecules and Pathways Involved in Neurofibromatosis Type I Combined With Spinal Deformities. <i>Spine</i> , 2020, 45, E489-E498.	2.0	2
21	Comparison between surgical fusion and the growing-rod technique for early-onset neurofibromatosis type-1 dystrophic scoliosis. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 455.	1.9	9
22	Neurofibromatosis Type 1 with Severe Dystrophic Kyphosis: Surgical Treatment and Prognostic Analysis of 27 Patients. <i>Orthopaedic Surgery</i> , 2020, 12, 1923-1940.	1.8	3
23	Phenotypic and genetic spectrum of isolated macrodactyly: somatic mosaicism of PIK3CA and AKT1 oncogenic variants. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 288.	2.7	15
24	Mutational burden and potential oligogenic model of <i>TBX6</i> -mediated genes in congenital scoliosis. <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1453.	1.2	6
25	The prediction of intraoperative cervical cord function changes by different motor evoked potentials phenotypes in cervical myelopathy patients. <i>BMC Neurology</i> , 2020, 20, 221.	1.8	10
26	A novel COMP mutation in a Chinese family with multiple epiphyseal dysplasia. <i>BMC Medical Genetics</i> , 2020, 21, 115.	2.1	2
27	Percutaneous Endoscopic Transforaminal Discectomy versus Conventional Open Lumbar Discectomy for Upper Lumbar Disc Herniation: A Comparative Cohort Study. <i>BioMed Research International</i> , 2020, 1-7.	1.9	17
28	Posterior only instrumented fusion provides incomplete curve control for early-onset scoliosis in type 1 neurofibromatosis. <i>BMC Pediatrics</i> , 2020, 20, 63.	1.7	4
29	Increased <i>TBX6</i> gene dosages induce congenital cervical vertebral malformations in humans and mice. <i>Journal of Medical Genetics</i> , 2020, 57, 371-379.	3.2	23
30	Mutational landscape and genetic signatures of cell-free DNA in tumour-induced osteomalacia. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 4931-4943.	3.6	4
31	Human and mouse studies establish <i>TBX6</i> in Mendelian CAKUT and as a potential driver of kidney defects associated with the 16p11.2 microdeletion syndrome. <i>Kidney International</i> , 2020, 98, 1020-1030.	5.2	17
32	A rare intraoperative spinal cord injury caused by thoracic 8 nerve root interruption during posterior vertebral column resection surgery for severe congenital kyphoscoliosis: a case report. <i>BMC Neurology</i> , 2020, 20, 203.	1.8	0
33	Estrogen Receptors (ESRs) Mutations in Adolescent Idiopathic Scoliosis: A Cross-Sectional Study. <i>Medical Science Monitor</i> , 2020, 26, e921611.	1.1	2
34	The Progress of CRISPR/Cas9-Mediated Gene Editing in Generating Mouse/Zebrafish Models of Human Skeletal Diseases. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 954-962.	4.1	23
35	Surgical approaches and outcomes for cervical myelopathy with increased signal intensity on T2-weighted MRI: a meta-analysis. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 224.	2.3	6
36	SPRY4 is responsible for pathogenesis of adolescent idiopathic scoliosis by contributing to osteogenic differentiation and melatonin response of bone marrow-derived mesenchymal stem cells. <i>Cell Death and Disease</i> , 2019, 10, 805.	6.3	17

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37	Predictors for blood loss in pediatric patients younger than 10 years old undergoing primary posterior hemivertebra resection: a retrospective study. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 297.	1.9	7
38	Differential miRNAs profile and bioinformatics analyses in bone marrow mesenchymal stem cells from adolescent idiopathic scoliosis patients. <i>Spine Journal</i> , 2019, 19, 1584-1596.	1.3	28
39	Vertebral Growth Around Distal Instrumented Vertebra in Patients With Early-Onset Scoliosis Who Underwent Traditional Dual Growing Rod Treatment. <i>Spine</i> , 2019, 44, 855-865.	2.0	6
40	Modified PUMC classification for adolescent idiopathic scoliosis. <i>Spine Journal</i> , 2019, 19, 1518-1528.	1.3	7
41	A Recurrent Rare SOX9 Variant (M469V) is Associated with Congenital Vertebral Malformations. <i>Current Gene Therapy</i> , 2019, 19, 242-247.	2.0	11
42	Whole-Genome Methylation Analysis of Phenotype Discordant Monozygotic Twins Reveals Novel Epigenetic Perturbation Contributing to the Pathogenesis of Adolescent Idiopathic Scoliosis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 364.	4.1	17
43	Survivals of the Intraoperative Motor-evoked Potentials Response in Pediatric Patients Undergoing Spinal Deformity Correction Surgery. <i>Spine</i> , 2019, 44, E950-E956.	2.0	7
44	Outcomes of 360° Osteotomy in the Cervicothoracic Spine (C7-T1) for Congenital Cervicothoracic Kyphoscoliosis in Children. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 1357-1365.	3.0	7
45	Genetic polymorphisms of PAX1 are functionally associated with different PUMC types of adolescent idiopathic scoliosis in a northern Chinese Han population. <i>Gene</i> , 2019, 688, 215-220.	2.2	19
46	Long noncoding RNA lncAIS downregulation in mesenchymal stem cells is implicated in the pathogenesis of adolescent idiopathic scoliosis. <i>Cell Death and Differentiation</i> , 2019, 26, 1700-1715.	11.2	31
47	TBX6-associated congenital scoliosis (TACS) as a clinically distinguishable subtype of congenital scoliosis: further evidence supporting the compound inheritance and TBX6 gene dosage model. <i>Genetics in Medicine</i> , 2019, 21, 1548-1558.	2.4	60
48	TBX6 compound inheritance leads to congenital vertebral malformations in humans and mice. <i>Human Molecular Genetics</i> , 2019, 28, 539-547.	2.9	46
49	Comparative analysis of serum proteome in congenital scoliosis patients with TBX6 haploinsufficiency – a first report pointing to lipid metabolism. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 533-545.	3.6	16
50	High-Risk Surgical Maneuvers for Impending True-Positive Intraoperative Neurologic Monitoring Alerts: Experience in 3139 Consecutive Spine Surgeries. <i>World Neurosurgery</i> , 2018, 115, e738-e747.	1.3	10
51	Risk factors of perioperative complications for posterior spinal fusion in degenerative scoliosis patients: a retrospective study. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 242.	1.9	12
52	Intraoperative motor evoked potential monitoring to patients with preoperative spinal deficits: judging its feasibility and analyzing the significance of rapid signal loss. <i>Spine Journal</i> , 2017, 17, 777-783.	1.3	21
53	Genetic Polymorphism of LBX1 Is Associated With Adolescent Idiopathic Scoliosis in Northern Chinese Han Population. <i>Spine</i> , 2017, 42, 1125-1129.	2.0	45
54	Radiographic evaluation of posterior selective thoracolumbar or lumbar fusion for moderate Lenke 5C curves. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2017, 137, 1-8.	2.4	14

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55	Frequent neuromonitoring loss during the completion of vertebral column resections in severe spinal deformity surgery. <i>Spine Journal</i> , 2017, 17, 76-80.	1.3	16
56	Radiographic characteristics in congenital scoliosis associated with split cord malformation: a retrospective study of 266 surgical cases. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 420.	1.9	14
57	Risk factors for construct/implant related complications following primary posterior hemivertebra resection: Study on 116 cases with more than 2 years' follow-up in one medical center. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 380.	1.9	14
58	Surgical outcomes and complications of posterior hemivertebra resection in children younger than 5 years old. <i>Journal of Orthopaedic Surgery and Research</i> , 2016, 11, 48.	2.3	30
59	Corrective Surgery for Congenital Scoliosis Associated with Split Cord Malformation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 926-936.	3.0	34
60	Rare true-positive outcome of spinal cord monitoring in patients under age 4 years. <i>Spine Journal</i> , 2016, 16, 1090-1094.	1.3	7
61	Association between <i>ADAMTS-4</i> gene polymorphism and lumbar disc degeneration in Chinese Han population. <i>Journal of Orthopaedic Research</i> , 2016, 34, 860-864.	2.3	26
62	Multiple cervical hemivertebra resection and staged thoracic pedicle subtraction osteotomy in the treatment of complicated congenital scoliosis. <i>European Spine Journal</i> , 2016, 25, 188-193.	2.2	14
63	The timing of surgical intervention in the treatment of complete motor paralysis in patients with spinal metastasis. <i>European Spine Journal</i> , 2016, 25, 4060-4066.	2.2	21
64	One-stage posterior-only lumbosacral hemivertebra resection with short segmental fusion: a more than 2-year follow-up. <i>European Spine Journal</i> , 2016, 25, 1567-1574.	2.2	40
65	Intra-operative MEP monitoring can work well in the patients with neural axis abnormality. <i>European Spine Journal</i> , 2016, 25, 3194-3200.	2.2	6
66	Pleural Effusion in Spinal Deformity Correction Surgery- A Report of 28 Cases in a Single Center. <i>PLoS ONE</i> , 2016, 11, e0154964.	2.5	8
67	Comparison of posterior correction results between Marfan syndrome scoliosis and adolescent idiopathic scoliosis—a retrospective case-series study. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 73.	2.3	12
68	Unplanned Reoperation within 30 Days of Fusion Surgery for Spinal Deformity. <i>PLoS ONE</i> , 2014, 9, e87172.	2.5	22
69	Complications analysis of posterior vertebral column resection in 40 patients with spinal tumors. <i>Experimental and Therapeutic Medicine</i> , 2014, 8, 1539-1544.	1.8	4
70	The efficacy and complications of posterior hemivertebra resection. <i>European Spine Journal</i> , 2011, 20, 1692-1702.	2.2	65