

Jianxiong Shen

List of Publications by Year in descending order

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114
papers

3,307
citations

172207

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168136

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docs citations

123
times ranked

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#	ARTICLE	IF	CITATIONS
1	Evaluation of Adjacent Segment With Pre-Existing Degeneration Using the Cerebrospinal Fluid Occlusion Sign on MRI Before Posterior Lumbar Fusion: A Multi-Center Observational Cohort Study. <i>Global Spine Journal</i> , 2023, 13, 745-751.	1.2	2
2	The Effect of Traditional Single Growing Rod Technique on the Growth of Unsegmented Levels in Mixed-Type Congenital Scoliosis. <i>Global Spine Journal</i> , 2022, 12, 922-930.	1.2	2
3	Influences of Thoracic Spinal Deformity on Exercise Performance and Pulmonary Function. <i>Spine</i> , 2022, 47, E107-E115.	1.0	2
4	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.	0.8	1
5	Diagnostic yield and clinical impact of exome sequencing in early-onset scoliosis (EOS). <i>Journal of Medical Genetics</i> , 2021, 58, 41-47.	1.5	40
6	Bioinformatic analysis of SMN1-ACE/ACE2 interactions hinted at a potential protective effect of spinal muscular atrophy against COVID-19-induced lung injury. <i>Briefings in Bioinformatics</i> , 2021, 22, 1291-1296.	3.2	5
7	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.	1.0	2
8	Bioinformatic analyses hinted at augmented T helper 17 cell differentiation and cytokine response as the central mechanism of COVID-19-associated Guillain-Barré syndrome. <i>Cell Proliferation</i> , 2021, 54, e13024.	2.4	17
9	Multi-omic analysis suggests tumor suppressor genes evolved specific promoter features to optimize cancer resistance. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	6
10	Growing-rod implantation improves nutrition status of early-onset scoliosis patients: a case series study of minimum 3-year follow-up. <i>BMC Surgery</i> , 2021, 21, 106.	0.6	3
11	Miller Fisher syndrome associated with COVID-19: an up-to-date systematic review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 20939-20944.	2.7	34
12	Factors and predictive model associated with perioperative complications after long fusion in the treatment of adult non-degenerative scoliosis. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 483.	0.8	3
13	Is physical capacity correlated with health-related quality of life in patients with adolescent idiopathic scoliosis?. <i>Annals of Palliative Medicine</i> , 2021, 10, 6220-6227.	0.5	3
14	Combined topical and intravenous administration of tranexamic acid further reduces postoperative blood loss in adolescent idiopathic scoliosis patients undergoing spinal fusion surgery: a randomized controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 663.	0.8	10
15	Role of melatonin in the dynamics of acute spinal cord injury in rats. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 2909-2917.	1.6	10
16	Melatonin Synergizes With Methylprednisolone to Ameliorate Acute Spinal Cord Injury. <i>Frontiers in Pharmacology</i> , 2021, 12, 723913.	1.6	6
17	AMPK as a Potential Therapeutic Target for Intervertebral Disc Degeneration. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 789087.	1.6	10
18	<i>TBX6</i> missense variants expand the mutational spectrum in a non-Mendelian inheritance disease. <i>Human Mutation</i> , 2020, 41, 182-195.	1.1	27

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19	Front Cover, Volume 41, Issue 1. Human Mutation, 2020, 41, i.	1.1	0
20	Emerging roles of non-coding RNAs in scoliosis. Cell Proliferation, 2020, 53, e12736.	2.4	25
21	Transcriptome-wide Sequencing Reveals Molecules and Pathways Involved in Neurofibromatosis Type I Combined With Spinal Deformities. Spine, 2020, 45, E489-E498.	1.0	2
22	Comparison between surgical fusion and the growing-rod technique for early-onset neurofibromatosis type-1 dystrophic scoliosis. BMC Musculoskeletal Disorders, 2020, 21, 455.	0.8	9
23	Neurofibromatosis Type 1 with Severe Dystrophic Kyphosis: Surgical Treatment and Prognostic Analysis of 27 Patients. Orthopaedic Surgery, 2020, 12, 1923-1940.	0.7	3
24	Surgical Scoliosis Correction in Chiari-I Malformation with Syringomyelia Versus Idiopathic Syringomyelia. Journal of Bone and Joint Surgery - Series A, 2020, 102, 1405-1415.	1.4	3
25	Genome-Wide Analysis of circular RNAs and validation of hsa_circ_0006719 as a potential novel diagnostic biomarker in congenital scoliosis patients. Journal of Cellular and Molecular Medicine, 2020, 24, 7015-7022.	1.6	2
26	Embryonic gene expression altered by maternal exposure to air pollution in rats. Environmental Science and Pollution Research, 2020, 27, 31699-31705.	2.7	5
27	Percutaneous Endoscopic Transforaminal Discectomy versus Conventional Open Lumbar Discectomy for Upper Lumbar Disc Herniation: A Comparative Cohort Study. BioMed Research International, 2020, 1-7.	0.9	17
28	Posterior only instrumented fusion provides incomplete curve control for early-onset scoliosis in type 1 neurofibromatosis. BMC Pediatrics, 2020, 20, 63.	0.7	4
29	Human and mouse studies establish TBX6 in Mendelian CAKUT and as a potential driver of kidney defects associated with the 16p11.2 microdeletion syndrome. Kidney International, 2020, 98, 1020-1030.	2.6	17
30	Noncoding RNAs Involved in the Pathogenesis of Ankylosing Spondylitis. BioMed Research International, 2019, 2019, 1-8.	0.9	7
31	Differentially expressed circular RNAs in air pollution-exposed rat embryos. Environmental Science and Pollution Research, 2019, 26, 34421-34429.	2.7	10
32	Aberrantly expressed long non-coding RNAs in air pollution-induced congenital defects. Journal of Cellular and Molecular Medicine, 2019, 23, 7717-7725.	1.6	14
33	Kyphoscoliosis with Klippel-Trenaunay syndrome: a case report and literature review. BMC Musculoskeletal Disorders, 2019, 20, 10.	0.8	6
34	Mental health of patients with adolescent idiopathic scoliosis and their parents in China: a cross-sectional survey. BMC Psychiatry, 2019, 19, 147.	1.1	21
35	Neuroprotective effect of omega-3 fatty acids on spinal cord injury induced rats. Brain and Behavior, 2019, 9, e01339.	1.0	29
36	Predictors for blood loss in pediatric patients younger than 10 years old undergoing primary posterior hemivertebra resection: a retrospective study. BMC Musculoskeletal Disorders, 2019, 20, 297.	0.8	7

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37	LncRNA <i>SULT1C2A</i> regulates <i>Foxo4</i> in congenital scoliosis by targeting miR-466c5p through PI3K-ATK signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 4582-4591.	1.6	12
38	MicroRNA signature of air pollution exposure-induced congenital defects. <i>Journal of Cellular Physiology</i> , 2019, 234, 17896-17904.	2.0	11
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.	1.0	6
40	Preliminary Study of a New Growing Rod System in Immature Swine Model. <i>World Neurosurgery</i> , 2019, 126, e653-e660.	0.7	1
41	Differences in Nonspecific Low Back Pain between Young Adult Females with and without Lumbar Scoliosis. <i>Pain Research and Management</i> , 2019, 2019, 1-5.	0.7	9
42	Modified PUMC classification for adolescent idiopathic scoliosis. <i>Spine Journal</i> , 2019, 19, 1518-1528.	0.6	7
43	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.	2.0	17
44	Survivals of the Intraoperative Motor-evoked Potentials Response in Pediatric Patients Undergoing Spinal Deformity Correction Surgery. <i>Spine</i> , 2019, 44, E950-E956.	1.0	7
45	Impact of Thoracic Cage Dimension and Geometry on Cardiopulmonary Function in Patients With Congenital Scoliosis. <i>Spine</i> , 2019, 44, 1441-1448.	1.0	13
46	Comparison of Radiological Features and Clinical Characteristics in Scoliosis Patients With Chiari I Malformation and Idiopathic Syringomyelia. <i>Spine</i> , 2019, 44, 1653-1660.	1.0	4
47	Cardiopulmonary Function in Patients with Congenital Scoliosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 1109-1118.	1.4	12
48	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.	1.0	19
49	Melatonin protected against the detrimental effects of microRNA-363 in a rat model of vitamin A-associated congenital spinal deformities: Involvement of Notch signaling. <i>Journal of Pineal Research</i> , 2019, 66, e12558.	3.4	11
50	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.	1.1	60
51	The long non-coding RNA SPRY4IT1: An emerging player in tumorigenesis and osteosarcoma. <i>Cell Proliferation</i> , 2018, 51, e12446.	2.4	26
52	Incidence and Risk Factors of Acute Pancreatitis After Scoliosis Surgery. <i>Spine</i> , 2018, 43, 630-636.	1.0	8
53	Comparative analysis of serum proteome in congenital scoliosis patients with <i>TBX6</i> haploinsufficiency – a first report pointing to lipid metabolism. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 533-545.	1.6	16
54	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.	0.7	10

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55	Clinical manifestations and radiological characteristics in patients with idiopathic syringomyelia and scoliosis. <i>European Spine Journal</i> , 2018, 27, 2148-2155.	1.0	12
56	Long non-coding RNA's in nucleus pulposus cell function and intervertebral disc degeneration. <i>Cell Proliferation</i> , 2018, 51, e12483.	2.4	87
57	Risk factors of perioperative complications for posterior spinal fusion in degenerative scoliosis patients: a retrospective study. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 242.	0.8	12
58	Does Scoliosis Affect Sleep Breathing?. <i>World Neurosurgery</i> , 2018, 118, e946-e950.	0.7	11
59	Identification of Competing Endogenous RNA Regulatory Networks in Vitamin A Deficiency-Induced Congenital Scoliosis by Transcriptome Sequencing Analysis. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 2134-2146.	1.1	28
60	Comparative analysis of the two extremes of -mutated autosomal dominant disease spectrum: from clinical phenotypes to cellular and molecular findings. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 1400-1412.	0.0	5
61	A novel probe for measuring tissue bioelectrical impedance to enhance pedicle screw placement in spinal surgery. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 2205-2212.	0.0	3
62	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.	0.6	21
63	Melatonin antagonizes interleukin-18-mediated inhibition on neural stem cell proliferation and differentiation. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2163-2171.	1.6	24
64	Genetic Polymorphism of LBX1 Is Associated With Adolescent Idiopathic Scoliosis in Northern Chinese Han Population. <i>Spine</i> , 2017, 42, 1125-1129.	1.0	45
65	Melatonin inhibits nucleus pulposus (NP) cell proliferation and extracellular matrix (ECM) remodeling via the melatonin membrane receptors mediated PI3K-Akt pathway. <i>Journal of Pineal Research</i> , 2017, 63, e12435.	3.4	50
66	MicroRNA-379 suppresses osteosarcoma progression by targeting PDK1. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 315-323.	1.6	56
67	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.	1.3	14
68	The role of microRNA's in intrahepatic cholangiocarcinoma. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 177-184.	1.6	31
69	Frequent neuromonitoring loss during the completion of vertebral column resections in severe spinal deformity surgery. <i>Spine Journal</i> , 2017, 17, 76-80.	0.6	16
70	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.	0.8	14
71	Surgical correction of hyperlordosis in facioscapulohumeral muscular dystrophy: A case report. <i>BMC Surgery</i> , 2017, 17, 83.	0.6	8
72	CCAT1: a pivotal oncogenic long non-coding RNA in human cancers. <i>Cell Proliferation</i> , 2016, 49, 255-260.	2.4	164

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73	Role of microRNA's in primary central nervous system lymphomas. <i>Cell Proliferation</i> , 2016, 49, 147-153.	2.4	15
74	TUG1: a pivotal oncogenic long non-coding RNA of human cancers. <i>Cell Proliferation</i> , 2016, 49, 471-475.	2.4	194
75	Characteristics and Clinical Relevance of the Osseous Spur in Patients with Congenital Scoliosis and Split Spinal Cord Malformation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 2096-2102.	1.4	7
76	Prognostic value of intraoperative MEP signal improvement during surgical treatment of cervical compressive myelopathy. <i>European Spine Journal</i> , 2016, 25, 1875-1880.	1.0	33
77	Cardiopulmonary Exercise Testing in Patients with Idiopathic Scoliosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 1614-1622.	1.4	14
78	TRIM59 is upregulated and promotes cell proliferation and migration in human osteosarcoma. <i>Molecular Medicine Reports</i> , 2016, 13, 5200-5206.	1.1	41
79	Corrective Surgery for Congenital Scoliosis Associated with Split Cord Malformation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 926-936.	1.4	34
80	Rare true-positive outcome of spinal cord monitoring in patients under age 4 years. <i>Spine Journal</i> , 2016, 16, 1090-1094.	0.6	7
81	Association between ADAMTS-4 gene polymorphism and lumbar disc degeneration in Chinese Han population. <i>Journal of Orthopaedic Research</i> , 2016, 34, 860-864.	1.2	26
82	Long non-coding RNAs: emerging players in osteosarcoma. <i>Tumor Biology</i> , 2016, 37, 2811-2816.	0.8	75
83	ANRIL: a pivotal tumor suppressor long non-coding RNA in human cancers. <i>Tumor Biology</i> , 2016, 37, 5657-5661.	0.8	74
84	The role of miRNAs in the pheochromocytomas. <i>Tumor Biology</i> , 2016, 37, 4235-4239.	0.8	7
85	Intra-operative MEP monitoring can work well in the patients with neural axis abnormality. <i>European Spine Journal</i> , 2016, 25, 3194-3200.	1.0	6
86	Pleural Effusion in Spinal Deformity Correction Surgery- A Report of 28 Cases in a Single Center. <i>PLoS ONE</i> , 2016, 11, e0154964.	1.1	8
87	BRD7: a novel tumor suppressor gene in different cancers. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 742-8.	0.0	38
88	By downregulating TIAM1 expression, microRNA-329 suppresses gastric cancer invasion and growth. <i>Oncotarget</i> , 2015, 6, 17559-17569.	0.8	106
89	Environmental aspects of congenital scoliosis. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5751-5755.	2.7	16
90	MicroRNA dysregulation in rhabdomyosarcoma: a new player enters the game. <i>Cell Proliferation</i> , 2015, 48, 511-516.	2.4	23

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91	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.	0.9	12
92	MicroRNA expression and its clinical implications in Ewing's sarcoma. <i>Cell Proliferation</i> , 2015, 48, 1-6.	2.4	78
93	MicroRNA in intervertebral disc degeneration. <i>Cell Proliferation</i> , 2015, 48, 278-283.	2.4	152
94	Spinal growth modulation with posterior unilateral elastic tether in immature swine model. <i>Spine Journal</i> , 2015, 15, 138-145.	0.6	7
95	DNA methylation downregulated mir-10b acts as a tumor suppressor in gastric cancer. <i>Gastric Cancer</i> , 2015, 18, 43-54.	2.7	201
96	An analysis of thoracic cage deformities and pulmonary function tests in congenital scoliosis. <i>European Spine Journal</i> , 2015, 24, 1415-1421.	1.0	29
97	MicroRNA dysregulation in uveal melanoma: a new player enters the game. <i>Oncotarget</i> , 2015, 6, 4562-4568.	0.8	85
98	MicroRNA expression and its implications for diagnosis and therapy of gallbladder cancer. <i>Oncotarget</i> , 2015, 6, 13914-13921.	0.8	70
99	Unplanned Reoperation within 30 Days of Fusion Surgery for Spinal Deformity. <i>PLoS ONE</i> , 2014, 9, e87172.	1.1	22
100	Risk factors for delayed infections after spinal fusion and instrumentation in patients with scoliosis. <i>Journal of Neurosurgery: Spine</i> , 2014, 21, 648-652.	0.9	27
101	Leptin Activates RhoA/ROCK Pathway to Induce Cytoskeleton Remodeling in Nucleus Pulposus Cells. <i>International Journal of Molecular Sciences</i> , 2014, 15, 1176-1188.	1.8	42
102	Congenital scoliosis in Wilson's disease: case report and review of the literature. <i>BMC Surgery</i> , 2014, 14, 71.	0.6	9
103	Leptin Downregulates Aggrecan through the p38-ADAMST Pathway in Human Nucleus Pulposus Cells. <i>PLoS ONE</i> , 2014, 9, e109595.	1.1	30
104	Lung protective effects of budesonide nebulization during perioperative period of thoracolumbar fusion. <i>Journal of Thoracic Disease</i> , 2014, 6, 1800-7.	0.6	4
105	The role of preoperative pulmonary function tests in the surgical treatment of extremely severe scoliosis. <i>Journal of Orthopaedic Surgery and Research</i> , 2013, 8, 32.	0.9	35
106	Safety of surgical treatment for patients with scoliosis and surgically corrected congenital cardiac malformations: a comparison with patients with scoliosis and normal hearts. <i>Journal of Neurosurgery: Pediatrics</i> , 2013, 12, 505-510.	0.8	6
107	The role of leptin on the organization and expression of cytoskeleton elements in nucleus pulposus cells. <i>Journal of Orthopaedic Research</i> , 2013, 31, 847-857.	1.2	59
108	Rib Deformities in Congenital Scoliosis. <i>Spine</i> , 2013, 38, E1656-E1661.	1.0	22

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109	Abnormalities Associated With Congenital Scoliosis. <i>Spine</i> , 2013, 38, 814-818.	1.0	89
110	MicroRNA-10b Promotes Nucleus Pulposus Cell Proliferation through RhoC-Akt Pathway by Targeting HOXD10 in Intervetebral Disc Degeneration. <i>PLoS ONE</i> , 2013, 8, e83080.	1.1	166
111	Dual Growing Rods Technique for Congenital Scoliosis. <i>Spine</i> , 2012, 37, E1639-E1644.	1.0	57
112	Leptin Induces Cyclin D1 Expression and Proliferation of Human Nucleus Pulposus Cells via JAK/STAT, PI3K/Akt and MEK/ERK Pathways. <i>PLoS ONE</i> , 2012, 7, e53176.	1.1	91
113	Vitamin A Deficiency Induces Congenital Spinal Deformities in Rats. <i>PLoS ONE</i> , 2012, 7, e46565.	1.1	24
114	Comparison of 1-Stage Versus 2-Stage Anterior and Posterior Spinal Fusion for Severe and Rigid Idiopathic Scoliosisâ€”A Randomized Prospective Study. <i>Spine</i> , 2006, 31, 2525-2528.	1.0	50