

Jianxiong Shen

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

3,307
citations

172207

29
h-index

168136

53
g-index

123
all docs

123
docs citations

123
times ranked

3558
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA methylation downregulated mir-10b acts as a tumor suppressor in gastric cancer. <i>Gastric Cancer</i> , 2015, 18, 43-54.	2.7	201
2	<sc>TUG</sc>1: a pivotal oncogenic long non-coding <sc>RNA</sc> of human cancers. <i>Cell Proliferation</i> , 2016, 49, 471-475.	2.4	194
3	MicroRNA-10b Promotes Nucleus Pulposus Cell Proliferation through RhoC-Akt Pathway by Targeting HOXD10 in Intervertebral Disc Degeneration. <i>PLoS ONE</i> , 2013, 8, e83080.	1.1	166
4	<sc>CCAT</sc>1: a pivotal oncogenic long non-coding <sc>RNA</sc> in human cancers. <i>Cell Proliferation</i> , 2016, 49, 255-260.	2.4	164
5	Micro<sc>RNA</sc> in intervertebral disc degeneration. <i>Cell Proliferation</i> , 2015, 48, 278-283.	2.4	152
6	By downregulating TIAM1 expression, microRNA-329 suppresses gastric cancer invasion and growth. <i>Oncotarget</i> , 2015, 6, 17559-17569.	0.8	106
7	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
8	Abnormalities Associated With Congenital Scoliosis. <i>Spine</i> , 2013, 38, 814-818.	1.0	89
9	Long non-coding <sc>RNA</sc>s in nucleus pulposus cell function and intervertebral disc degeneration. <i>Cell Proliferation</i> , 2018, 51, e12483.	2.4	87
10	MicroRNA dysregulation in uveal melanoma: a new player enters the game. <i>Oncotarget</i> , 2015, 6, 4562-4568.	0.8	85
11	MicroRNA expression and its clinical implications in Ewing's sarcoma. <i>Cell Proliferation</i> , 2015, 48, 1-6.	2.4	78
12	Long non-coding RNAs: emerging players in osteosarcoma. <i>Tumor Biology</i> , 2016, 37, 2811-2816.	0.8	75
13	ANRIL: a pivotal tumor suppressor long non-coding RNA in human cancers. <i>Tumor Biology</i> , 2016, 37, 5657-5661.	0.8	74
14	MicroRNA expression and its implications for diagnosis and therapy of gallbladder cancer. <i>Oncotarget</i> , 2015, 6, 13914-13921.	0.8	70
15	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
16	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
17	Dual Growing Rods Technique for Congenital Scoliosis. <i>Spine</i> , 2012, 37, E1639-E1644.	1.0	57
18	Micro<sc>RNA</sc>-379 suppresses osteosarcoma progression by targeting <sc>PDK</sc>1. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 315-323.	1.6	56

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19	Comparison of 1-Stage Versus 2-Stage Anterior and Posterior Spinal Fusion for Severe and Rigid Idiopathic Scoliosis—A Randomized Prospective Study. <i>Spine</i> , 2006, 31, 2525-2528.	1.0	50
20	Melatonin inhibits nucleus pulposus (<sc>NP</sc>) cell proliferation and extracellular matrix (<sc>ECM</sc>) remodeling via the melatonin membrane receptors mediated <sc>PI</sc>3K&A&Akt pathway. <i>Journal of Pineal Research</i> , 2017, 63, e12435.	3.4	50
21	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
22	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
23	TRIM59 is upregulated and promotes cell proliferation and migration in human osteosarcoma. <i>Molecular Medicine Reports</i> , 2016, 13, 5200-5206.	1.1	41
24	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
25	BRD7: a novel tumor suppressor gene in different cancers. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 742-8.	0.0	38
26	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
27	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
28	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
29	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
30	The role of micro<sc>RNA</sc>s in intrahepatic cholangiocarcinoma. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 177-184.	1.6	31
31	Leptin Downregulates Aggrecan through the p38-ADAMST Pathway in Human Nucleus Pulposus Cells. <i>PLoS ONE</i> , 2014, 9, e109595.	1.1	30
32	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
33	Neuroprotective effect of omega fatty acids on spinal cord injury induced rats. <i>Brain and Behavior</i> , 2019, 9, e01339.	1.0	29
34	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
35	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
36	<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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37	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.	1.2	26
38	The long non-coding <i>RNA SPRY4-IT1</i> : An emerging player in tumorigenesis and osteosarcoma. <i>Cell Proliferation</i> , 2018, 51, e12446.	2.4	26
39	Emerging roles of non-coding RNAs in scoliosis. <i>Cell Proliferation</i> , 2020, 53, e12736.	2.4	25
40	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
41	Vitamin A Deficiency Induces Congenital Spinal Deformities in Rats. <i>PLoS ONE</i> , 2012, 7, e46565.	1.1	24
42	MicroRNA dysregulation in rhabdomyosarcoma: a new player enters the game. <i>Cell Proliferation</i> , 2015, 48, 511-516.	2.4	23
43	Rib Deformities in Congenital Scoliosis. <i>Spine</i> , 2013, 38, E1656-E1661.	1.0	22
44	Unplanned Reoperation within 30 Days of Fusion Surgery for Spinal Deformity. <i>PLoS ONE</i> , 2014, 9, e87172.	1.1	22
45	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
46	Mental health of patients with adolescent idiopathic scoliosis and their parents in China: a cross-sectional survey. <i>BMC Psychiatry</i> , 2019, 19, 147.	1.1	21
47	Genetic polymorphisms of <i>PAX1</i> 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
48	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
49	Percutaneous Endoscopic Transforaminal Discectomy versus Conventional Open Lumbar Discectomy for Upper Lumbar Disc Herniation: A Comparative Cohort Study. <i>BioMed Research International</i> , 2020, 2020, 1-7.	0.9	17
50	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
51	Human and mouse studies establish <i>TBX6</i> in Mendelian <i>CAKUT</i> and as a potential driver of kidney defects associated with the 16p11.2 microdeletion syndrome. <i>Kidney International</i> , 2020, 98, 1020-1030.	2.6	17
52	Environmental aspects of congenital scoliosis. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5751-5755.	2.7	16
53	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
54	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

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55	Role of microRNA in primary central nervous system lymphomas. <i>Cell Proliferation</i> , 2016, 49, 147-153.	2.4	15
56	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
57	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
58	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
59	Aberrantly expressed long non-coding RNAs in air pollution-induced congenital defects. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 7717-7725.	1.6	14
60	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
61	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
62	Clinical manifestations and radiological characteristics in patients with idiopathic syringomyelia and scoliosis. <i>European Spine Journal</i> , 2018, 27, 2148-2155.	1.0	12
63	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
64	LncRNA <i>SULT1C2A</i> regulates <i>Foxo4</i> in congenital scoliosis by targeting <i>miR-466-5p</i> through PI3K-ATK signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 4582-4591.	1.6	12
65	Cardiopulmonary Function in Patients with Congenital Scoliosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 1109-1118.	1.4	12
66	Does Scoliosis Affect Sleep Breathing?. <i>World Neurosurgery</i> , 2018, 118, e946-e950.	0.7	11
67	MicroRNA signature of air pollution exposure-induced congenital defects. <i>Journal of Cellular Physiology</i> , 2019, 234, 17896-17904.	2.0	11
68	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
69	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
70	Differentially expressed circular RNAs in air pollution-exposed rat embryos. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34421-34429.	2.7	10
71	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
72	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

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73	AMPK as a Potential Therapeutic Target for Intervertebral Disc Degeneration. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 789087.	1.6	10
74	Congenital scoliosis in Wilson's disease: case report and review of the literature. <i>BMC Surgery</i> , 2014, 14, 71.	0.6	9
75	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
76	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.	0.8	9
77	Surgical correction of hyperlordosis in facioscapulohumeral muscular dystrophy: A case report. <i>BMC Surgery</i> , 2017, 17, 83.	0.6	8
78	Incidence and Risk Factors of Acute Pancreatitis After Scoliosis Surgery. <i>Spine</i> , 2018, 43, 630-636.	1.0	8
79	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
80	Spinal growth modulation with posterior unilateral elastic tether in immature swine model. <i>Spine Journal</i> , 2015, 15, 138-145.	0.6	7
81	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
82	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
83	The role of miRNAs in the pheochromocytomas. <i>Tumor Biology</i> , 2016, 37, 4235-4239.	0.8	7
84	Noncoding RNAs Involved in the Pathogenesis of Ankylosing Spondylitis. <i>BioMed Research International</i> , 2019, 2019, 1-8.	0.9	7
85	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.	0.8	7
86	Modified PUMC classification for adolescent idiopathic scoliosis. <i>Spine Journal</i> , 2019, 19, 1518-1528.	0.6	7
87	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
88	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
89	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
90	Kyphoscoliosis with Klippel-Trenaunay syndrome: a case report and literature review. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 10.	0.8	6

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91	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
92	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
93	Melatonin Synergizes With Methylprednisolone to Ameliorate Acute Spinal Cord Injury. <i>Frontiers in Pharmacology</i> , 2021, 12, 723913.	1.6	6
94	Embryonic gene expression altered by maternal exposure to air pollution in rats. <i>Environmental Science and Pollution Research</i> , 2020, 27, 31699-31705.	2.7	5
95	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
96	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
97	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
98	Posterior only instrumented fusion provides incomplete curve control for early-onset scoliosis in type 1 neurofibromatosis. <i>BMC Pediatrics</i> , 2020, 20, 63.	0.7	4
99	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
100	Neurofibromatosis Type 1 with Severe Dystrophic Kyphosis: Surgical Treatment and Prognostic Analysis of 27 Patients. <i>Orthopaedic Surgery</i> , 2020, 12, 1923-1940.	0.7	3
101	Surgical Scoliosis Correction in Chiari-I Malformation with Syringomyelia Versus Idiopathic Syringomyelia. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 1405-1415.	1.4	3
102	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
103	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
104	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
105	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
106	Transcriptome-wide Sequencing Reveals Molecules and Pathways Involved in Neurofibromatosis Type I Combined With Spinal Deformities. <i>Spine</i> , 2020, 45, E489-E498.	1.0	2
107	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
108	Genome-Wide Analysis of circular RNAs and validation of hsa_circ_0006719 as a potential novel diagnostic biomarker in congenital scoliosis patients. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 7015-7022.	1.6	2

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109	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
110	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
111	Influences of Thoracic Spinal Deformity on Exercise Performance and Pulmonary Function. <i>Spine</i> , 2022, 47, E107-E115.	1.0	2
112	Preliminary Study of a New Growing Rod System in Immature Swine Model. <i>World Neurosurgery</i> , 2019, 126, e653-e660.	0.7	1
113	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
114	Front Cover, Volume 41, Issue 1. <i>Human Mutation</i> , 2020, 41, i.	1.1	0