

# Jianxiong Shen

## List of Publications by Year in descending order

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114  
papers

3,307  
citations

172457

29  
h-index

168389

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. Gastric Cancer, 2015, 18, 43-54.	5.3	201
2	<scp>TUG</scp> 1: a pivotal oncogenic long nonâ€œcoding <scp>RNA</scp> of human cancers. Cell Proliferation, 2016, 49, 471-475.	5.3	194
3	MicroRNA-10b Promotes Nucleus Pulposus Cell Proliferation through RhoC-Akt Pathway by Targeting HOXD10 in Intervetebraal Disc Degeneration. PLoS ONE, 2013, 8, e83080.	2.5	166
4	<scp>CCAT</scp> 1: a pivotal oncogenic long nonâ€œcoding <scp>RNA</scp> in human cancers. Cell Proliferation, 2016, 49, 255-260.	5.3	164
5	Micro<scp>RNA</scp> in intervertebral disc degeneration. Cell Proliferation, 2015, 48, 278-283.	5.3	152
6	By downregulating TIAM1 expression, microRNA-329 suppresses gastric cancer invasion and growth. Oncotarget, 2015, 6, 17559-17569.	1.8	106
7	Leptin Induces Cyclin D1 Expression and Proliferation of Human Nucleus Pulposus Cells via JAK/STAT, PI3K/Akt and MEK/ERK Pathways. PLoS ONE, 2012, 7, e53176.	2.5	91
8	Abnormalities Associated With Congenital Scoliosis. Spine, 2013, 38, 814-818.	2.0	89
9	Long nonâ€œcoding <scp>RNA</scp>s in nucleus pulposus cell function and intervertebral disc degeneration. Cell Proliferation, 2018, 51, e12483.	5.3	87
10	MicroRNA dysregulation in uveal melanoma: a new player enters the game. Oncotarget, 2015, 6, 4562-4568.	1.8	85
11	MicroRNA expression and its clinical implications in Ewing's sarcoma. Cell Proliferation, 2015, 48, 1-6.	5.3	78
12	Long non-coding RNAs: emerging players in osteosarcoma. Tumor Biology, 2016, 37, 2811-2816.	1.8	75
13	ANRIL: a pivotal tumor suppressor long non-coding RNA in human cancers. Tumor Biology, 2016, 37, 5657-5661.	1.8	74
14	MicroRNA expression and its implications for diagnosis and therapy of gallbladder cancer. Oncotarget, 2015, 6, 13914-13921.	1.8	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. Genetics in Medicine, 2019, 21, 1548-1558.	2.4	60
16	The role of leptin on the organization and expression of cytoskeleton elements in nucleus pulposus cells. Journal of Orthopaedic Research, 2013, 31, 847-857.	2.3	59
17	Dual Growing Rods Technique for Congenital Scoliosis. Spine, 2012, 37, E1639-E1644.	2.0	57
18	Micro<scp>RNA</scp>â€œ379 suppresses osteosarcoma progression by targeting <scp>PDK</scp> 1. Journal of Cellular and Molecular Medicine, 2017, 21, 315-323.	3.6	56

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19	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.	2.0	50
20	Melatonin inhibits nucleus pulposus (<scp>NP</scp>) cell proliferation and extracellular matrix (<scp>ECM</scp>) remodeling via the melatonin membrane receptors mediated <scp>PI</scp>3Kâ€”Akt pathway. <i>Journal of Pineal Research</i> , 2017, 63, e12435.	7.4	50
21	Genetic Polymorphism of LBX1 Is Associated With Adolescent Idiopathic Scoliosis in Northern Chinese Han Population. <i>Spine</i> , 2017, 42, 1125-1129.	2.0	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.	4.1	42
23	TRIM59 is upregulated and promotes cell proliferation and migration in human osteosarcoma. <i>Molecular Medicine Reports</i> , 2016, 13, 5200-5206.	2.4	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.	3.2	40
25	BRD7: a novel tumor suppressor gene in different cancers. <i>American Journal of Translational Research</i> (discontinued), 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.	2.3	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.	3.0	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.	5.3	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.	2.2	33
30	The role of micro<scp>RNA</scp>s in intrahepatic cholangiocarcinoma. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 177-184.	3.6	31
31	Leptin Downregulates Aggrecan through the p38-ADAMST Pathway in Human Nucleus Pulposus Cells. <i>PLoS ONE</i> , 2014, 9, e109595.	2.5	30
32	An analysis of thoracic cage deformities and pulmonary function tests in congenital scoliosis. <i>European Spine Journal</i> , 2015, 24, 1415-1421.	2.2	29
33	Neuroprotective effect of omegaâ€”3 fatty acids on spinal cord injury induced rats. <i>Brain and Behavior</i> , 2019, 9, e01339.	2.2	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.	1.6	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.	1.7	27
36	<i>TBX6</i> missense variants expand the mutational spectrum in a nonâ€”Mendelian inheritance disease. <i>Human Mutation</i> , 2020, 41, 182-195.	2.5	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.	2.3	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.	5.3	26
39	Emerging roles of non-coding RNAs in scoliosis. <i>Cell Proliferation</i> , 2020, 53, e12736.	5.3	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.	3.6	24
41	Vitamin A Deficiency Induces Congenital Spinal Deformities in Rats. <i>PLoS ONE</i> , 2012, 7, e46565.	2.5	24
42	MicroRNA dysregulation in rhabdomyosarcoma: a new player enters the game. <i>Cell Proliferation</i> , 2015, 48, 511-516.	5.3	23
43	Rib Deformities in Congenital Scoliosis. <i>Spine</i> , 2013, 38, E1656-E1661.	2.0	22
44	Unplanned Reoperation within 30 Days of Fusion Surgery for Spinal Deformity. <i>PLoS ONE</i> , 2014, 9, e87172.	2.5	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.	1.3	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.	2.6	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.	2.2	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.	4.1	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.	1.9	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.	5.3	17
51	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
52	Environmental aspects of congenital scoliosis. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5751-5755.	5.3	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.	1.3	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.	3.6	16

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55	Role of microRNA in primary central nervous system lymphomas. <i>Cell Proliferation</i> , 2016, 49, 147-153.	5.3	15
56	Cardiopulmonary Exercise Testing in Patients with Idiopathic Scoliosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 1614-1622.	3.0	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.	2.4	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.	1.9	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.	3.6	14
60	Impact of Thoracic Cage Dimension and Geometry on Cardiopulmonary Function in Patients With Congenital Scoliosis. <i>Spine</i> , 2019, 44, 1441-1448.	2.0	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.	2.3	12
62	Clinical manifestations and radiological characteristics in patients with idiopathic syringomyelia and scoliosis. <i>European Spine Journal</i> , 2018, 27, 2148-2155.	2.2	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.	1.9	12
64	LncRNA hsa-miR-5012-3a regulates Foxo4 in congenital scoliosis by targeting miR-466-5p through PI3K/AKT signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 4582-4591.	3.6	12
65	Cardiopulmonary Function in Patients with Congenital Scoliosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 1109-1118.	3.0	12
66	Does Scoliosis Affect Sleep Breathing?. <i>World Neurosurgery</i> , 2018, 118, e946-e950.	1.3	11
67	MicroRNA signature of air pollution exposure-induced congenital defects. <i>Journal of Cellular Physiology</i> , 2019, 234, 17896-17904.	4.1	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.	7.4	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.	1.3	10
70	Differentially expressed circular RNAs in air pollution-exposed rat embryos. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34421-34429.	5.3	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.	1.9	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.	3.6	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.	3.5	10
74	Congenital scoliosis in Wilson's disease: case report and review of the literature. <i>BMC Surgery</i> , 2014, 14, 71.	1.3	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.	1.8	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.	1.9	9
77	Surgical correction of hyperlordosis in facioscapulohumeral muscular dystrophy: A case report. <i>BMC Surgery</i> , 2017, 17, 83.	1.3	8
78	Incidence and Risk Factors of Acute Pancreatitis After Scoliosis Surgery. <i>Spine</i> , 2018, 43, 630-636.	2.0	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.	2.5	8
80	Spinal growth modulation with posterior unilateral elastic tether in immature swine model. <i>Spine Journal</i> , 2015, 15, 138-145.	1.3	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.	3.0	7
82	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
83	The role of miRNAs in the pheochromocytomas. <i>Tumor Biology</i> , 2016, 37, 4235-4239.	1.8	7
84	Noncoding RNAs Involved in the Pathogenesis of Ankylosing Spondylitis. <i>BioMed Research International</i> , 2019, 2019, 1-8.	1.9	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.	1.9	7
86	Modified PUMC classification for adolescent idiopathic scoliosis. <i>Spine Journal</i> , 2019, 19, 1518-1528.	1.3	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.	2.0	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.	1.3	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.	2.2	6
90	Kyphoscoliosis with Klippel-Trenaunay syndrome: a case report and literature review. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 10.	1.9	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.	2.0	6
92	Multi-omic analysis suggests tumor suppressor genes evolved specific promoter features to optimize cancer resistance. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	6
93	Melatonin Synergizes With Methylprednisolone to Ameliorate Acute Spinal Cord Injury. <i>Frontiers in Pharmacology</i> , 2021, 12, 723913.	3.5	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.	5.3	5
95	Bioinformatic analysis of SMN1â€“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.	6.5	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.	2.0	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.	1.7	4
99	Lung protective effects of budesonide nebulization during perioperative period of thoracolumbar fusion. <i>Journal of Thoracic Disease</i> , 2014, 6, 1800-7.	1.4	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.	1.8	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.	3.0	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.	1.3	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.	1.9	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.	1.2	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.	2.0	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.	2.3	2
108	Genomeâ€“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.	3.6	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. European Spine Journal, 2021, 30, 454-460.	2.2	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. Global Spine Journal, 2023, 13, 745-751.	2.3	2
111	Influences of Thoracic Spinal Deformity on Exercise Performance and Pulmonary Function. Spine, 2022, 47, E107-E115.	2.0	2
112	Preliminary Study of a New Growing Rod System in Immature Swine Model. World Neurosurgery, 2019, 126, e653-e660.	1.3	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. BMC Musculoskeletal Disorders, 2022, 23, 89.	1.9	1
114	Front Cover, Volume 41, Issue 1. Human Mutation, 2020, 41, i.	2.5	0