Zheng Li

List of Publications by Year in descending order

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137 papers	5,299 citations	38 h-index	98798 67 g-index
143	143	143	6787 citing authors
all docs	docs citations	times ranked	

#	Article	IF	Citations
1	Circular RNA AKT3 upregulates PIK3R1 to enhance cisplatin resistance in gastric cancer via miR-198 suppression. Molecular Cancer, 2019, 18, 71.	19.2	289
2	Single-cell reconstruction of the adult human heart during heart failure and recovery reveals the cellular landscape underlying cardiac function. Nature Cell Biology, 2020, 22, 108-119.	10.3	270
3	<scp>NEAT</scp> 1: A novel cancerâ€related long nonâ€coding <scp>RNA</scp> . Cell Proliferation, 2017, 50,	5.3	217
4	DNA methylation downregulated mir-10b acts as a tumor suppressor in gastric cancer. Gastric Cancer, 2015, 18, 43-54.	5.3	201
5	<scp>TUG</scp> 1: a pivotal oncogenic long nonâ€coding <scp>RNA</scp> of human cancers. Cell Proliferation, 2016, 49, 471-475.	5.3	194
6	Antioxidant and Anti-Inflammatory Activities of Berberine in the Treatment of Diabetes Mellitus. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-12.	1.2	182
7	MicroRNA-10b Promotes Nucleus Pulposus Cell Proliferation through RhoC-Akt Pathway by Targeting HOXD10 in Intervetebral Disc Degeneration. PLoS ONE, 2013, 8, e83080.	2.5	166
8	<scp>CCAT</scp> 1: a pivotal oncogenic long non oding <scp>RNA</scp> in human cancers. Cell Proliferation, 2016, 49, 255-260.	5.3	164
9	Micro <scp>RNA</scp> in intervertebral disc degeneration. Cell Proliferation, 2015, 48, 278-283.	5.3	152
10	Single-Cell Reconstruction of Progression Trajectory Reveals Intervention Principles in Pathological Cardiac Hypertrophy. Circulation, 2020, 141, 1704-1719.	1.6	127
11	Long non-coding RNA HOTAIR: A novel oncogene (Review). Molecular Medicine Reports, 2015, 12, 5611-5618.	2.4	118
12	By downregulating TIAM1 expression, microRNA-329 suppresses gastric cancer invasion and growth. Oncotarget, 2015, 6, 17559-17569.	1.8	106
13	Gastrodin Ameliorates Oxidative Stress and Proinflammatory Response in Nonalcoholic Fatty Liver Disease through the AMPK/Nrf2 Pathway. Phytotherapy Research, 2016, 30, 402-411.	5.8	98
14	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
15	MicroRNAs regulate vascular smooth muscle cell functions in atherosclerosis (Review). International Journal of Molecular Medicine, 2014, 34, 923-933.	4.0	88
16	Long nonâ€coding <scp>RNA</scp> s in nucleus pulposus cell function and intervertebral disc degeneration. Cell Proliferation, 2018, 51, e12483.	5.3	87
17	MicroRNA dysregulation in uveal melanoma: a new player enters the game. Oncotarget, 2015, 6, 4562-4568.	1.8	85
18	MicroRNA expression and its clinical implications in Ewing's sarcoma. Cell Proliferation, 2015, 48, 1-6.	5.3	78

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19	Emerging roles of long nonâ€coding RNAs in neuropathic pain. Cell Proliferation, 2019, 52, e12528.	5.3	78
20	Long non-coding RNA growth arrest-specific transcript 5 in tumor biology. Oncology Letters, 2015, 10, 1953-1958.	1.8	76
21	The role of MicroRNAs expression in laryngeal cancer. Oncotarget, 2015, 6, 23297-23305.	1.8	75
22	Long non-coding RNAs: emerging players in osteosarcoma. Tumor Biology, 2016, 37, 2811-2816.	1.8	75
23	ANRIL: a pivotal tumor suppressor long non-coding RNA in human cancers. Tumor Biology, 2016, 37, 5657-5661.	1.8	74
24	An update on the roles of circular RNAs in osteosarcoma. Cell Proliferation, 2021, 54, e12936.	5.3	73
25	Single-cell analysis of murine fibroblasts identifies neonatal to adult switching that regulates cardiomyocyte maturation. Nature Communications, 2020, 11, 2585.	12.8	71
26	MicroRNA expression and its implications for diagnosis and therapy of gallbladder cancer. Oncotarget, 2015, 6, 13914-13921.	1.8	70
27	Circular RNAs in nucleus pulposus cell function and intervertebral disc degeneration. Cell Proliferation, 2019, 52, e12704.	5.3	67
28	Long non oding <scp>RNA</scp> s in rheumatoid arthritis. Cell Proliferation, 2018, 51, .	5.3	64
29	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
30	MicroRNAs predict and modulate responses to chemotherapy in colorectal cancer. Cell Proliferation, 2015, 48, 503-510.	5.3	58
31	Micro <scp>RNA</scp> expression and its implications for diagnosis and therapy of tongue squamous cell carcinoma. Journal of Cellular and Molecular Medicine, 2016, 20, 10-16.	3.6	57
32	Micro <scp>RNA</scp> â€379 suppresses osteosarcoma progression by targeting <scp>PDK</scp> 1. Journal of Cellular and Molecular Medicine, 2017, 21, 315-323.	3.6	56
33	Mi <scp>RNA</scp> s in primary cutaneous lymphomas. Cell Proliferation, 2015, 48, 271-277.	5.3	50
34	The role of mi <scp>RNA</scp> s in cutaneous squamous cell carcinoma. Journal of Cellular and Molecular Medicine, 2016, 20, 3-9.	3.6	50
35	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. Journal of Pineal Research, 2017, 63, e12435.	7.4	50
36	Protective roles of melatonin in central nervous system diseases by regulation of neural stem cells. Cell Proliferation, 2017, 50, .	5. 3	49

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37	<scp>CCAT</scp> 2: A novel oncogenic long nonâ€coding <scp>RNA</scp> in human cancers. Cell Proliferation, 2017, 50, .	5.3	48
38	Leptin Activates RhoA/ROCK Pathway to Induce Cytoskeleton Remodeling in Nucleus Pulposus Cells. International Journal of Molecular Sciences, 2014, 15, 1176-1188.	4.1	42
39	TRIM59 is upregulated and promotes cell proliferation and migration in human osteosarcoma. Molecular Medicine Reports, 2016, 13, 5200-5206.	2.4	41
40	Berberine Up-Regulates Hepatic Low-Density Lipoprotein Receptor through Ras-Independent but AMP-Activated Protein Kinase-Dependent Raf-1 Activation. Biological and Pharmaceutical Bulletin, 2014, 37, 1766-1775.	1.4	38
41	Using tranexamic acid soaked absorbable gelatin sponge following complex posterior lumbar spine surgery: A randomized control trial. Clinical Neurology and Neurosurgery, 2016, 147, 110-114.	1.4	38
42	MicroRNA-10b Induces Vascular Muscle Cell Proliferation Through Akt Pathway by Targeting TIP30. Current Vascular Pharmacology, 2015, 13, 679-686.	1.7	38
43	BRD7: a novel tumor suppressor gene in different cancers. American Journal of Translational Research (discontinued), 2016, 8, 742-8.	0.0	38
44	Corrective Surgery for Congenital Scoliosis Associated with Split Cord Malformation. Journal of Bone and Joint Surgery - Series A, 2016, 98, 926-936.	3.0	34
45	Miller Fisher syndrome associated with COVID-19: an up-to-date systematic review. Environmental Science and Pollution Research, 2021, 28, 20939-20944.	5.3	34
46	A randomized controlled trial on the effects of collagen sponge and topical tranexamic acid in posterior spinal fusion surgeries. Journal of Orthopaedic Surgery and Research, 2017, 12, 166.	2.3	33
47	Emerging roles of MicroRNAs in osteonecrosis of the femoral head. Cell Proliferation, 2018, 51, .	5.3	32
48	The roles of microRNAs in Wilms' tumors. Tumor Biology, 2016, 37, 1445-1450.	1.8	31
49	The role of micro <scp>RNA</scp> s in intrahepatic cholangiocarcinoma. Journal of Cellular and Molecular Medicine, 2017, 21, 177-184.	3.6	31
50	Circulating microRNA signature of steroidâ€induced osteonecrosis of the femoral head. Cell Proliferation, 2018, 51, .	5.3	31
51	Leptin Downregulates Aggrecan through the p38-ADAMST Pathway in Human Nucleus Pulposus Cells. PLoS ONE, 2014, 9, e109595.	2.5	30
52	micro <scp>RNA</scp> deregulation in keloids: an opportunity for clinical intervention?. Cell Proliferation, 2015, 48, 626-630.	5.3	29
53	Identification of Competing Endogenous RNA Regulatory Networks in Vitamin A Deficiency-Induced Congenital Scoliosis by Transcriptome Sequencing Analysis. Cellular Physiology and Biochemistry, 2018, 48, 2134-2146.	1.6	28
54	Histone Variant H2A.Z Is Required for the Maintenance of Smooth Muscle Cell Identity as Revealed by Single-Cell Transcriptomics. Circulation, 2018, 138, 2274-2288.	1.6	27

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55	The long nonâ€coding <scp>RNA SPRY</scp> 4â€ <scp>IT</scp> 1: An emerging player in tumorigenesis and osteosarcoma. Cell Proliferation, 2018, 51, e12446.	5.3	26
56	Emerging roles of nonâ€coding RNAs in scoliosis. Cell Proliferation, 2020, 53, e12736.	5.3	25
57	Neuroâ€oncological ventral antigen 1 (<scp>NOVA</scp> 1): Implications in neurological diseases and cancers. Cell Proliferation, 2017, 50, .	5. 3	24
58	Melatonin antagonizes interleukinâ€18â€mediated inhibition on neural stem cell proliferation and differentiation. Journal of Cellular and Molecular Medicine, 2017, 21, 2163-2171.	3.6	24
59	Vitamin A Deficiency Induces Congenital Spinal Deformities in Rats. PLoS ONE, 2012, 7, e46565.	2.5	24
60	Micro <scp>RNA</scp> dysregulation in rhabdomyosarcoma: a new player enters the game. Cell Proliferation, 2015, 48, 511-516.	5. 3	23
61	Tranexamic acid reduce hidden blood loss in posterior lumbar interbody fusion (PLIF) surgery. Medicine (United States), 2020, 99, e19552.	1.0	23
62	Unplanned Reoperation within 30 Days of Fusion Surgery for Spinal Deformity. PLoS ONE, 2014, 9, e87172.	2.5	22
63	Serum microRNAs as potential noninvasive biomarkers for glioma. Tumor Biology, 2016, 37, 1407-1410.	1.8	21
64	Immunotoxins and cancer therapy. Cellular and Molecular Immunology, 2005, 2, 106-12.	10.5	21
65	Long nonâ€coding RNAs in the spinal cord injury: Novel spotlight. Journal of Cellular and Molecular Medicine, 2019, 23, 4883-4890.	3.6	20
66	HURWA robotic-assisted total knee arthroplasty improves component positioning and alignment – A prospective randomized and multicenter study. Journal of Orthopaedic Translation, 2022, 33, 31-40.	3.9	18
67	Epigenetic deregulations in chordoma. Cell Proliferation, 2015, 48, 497-502.	5. 3	17
68	Bioinformatic analyses hinted at augmented T helper 17 cell differentiation and cytokine response as the central mechanism of COVIDâ€19–associated Guillainâ€Barré syndrome. Cell Proliferation, 2021, 54, e13024.	5. 3	17
69	Environmental aspects of congenital scoliosis. Environmental Science and Pollution Research, 2015, 22, 5751-5755.	5 . 3	16
70	The role of TARBP2 in the development and progression of cancers. Tumor Biology, 2016, 37, 57-60.	1.8	16
71	Accuracy of MRI Diagnosis of Meniscal Tears of the Knee: A Meta-Analysis and Systematic Review. Journal of Knee Surgery, 2021, 34, 121-129.	1.6	16
72	TOX gene: a novel target for human cancer gene therapy. American Journal of Cancer Research, 2015, 5, 3516-24.	1.4	16

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73	Identification of amino acids in highly pathogenic avian influenza H5N1 virus hemagglutinin that determine avian influenza species specificity. Archives of Virology, 2011, 156, 1803-12.	2.1	15
74	Role of micro <scp>RNA</scp> s in primary central nervous system lymphomas. Cell Proliferation, 2016, 49, 147-153.	5.3	15
7 5	Radiographic characteristics in congenital scoliosis associated with split cord malformation: a retrospective study of 266 surgical cases. BMC Musculoskeletal Disorders, 2017, 18, 420.	1.9	14
76	SPOCD1 promotes cell proliferation and inhibits cell apoptosis in human osteosarcoma. Molecular Medicine Reports, 2018, 17, 3218-3225.	2.4	14
77	Aberrantly expressed long nonâ€coding RNAs in air pollutionâ€induced congenital defects. Journal of Cellular and Molecular Medicine, 2019, 23, 7717-7725.	3.6	14
78	Deep learning approach for guiding threeâ€dimensional computed tomography reconstruction of lower limbs for roboticallyâ€assisted total knee arthroplasty. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2300.	2.3	13
79	LINC01121 induced intervertebral disc degeneration via modulating miRâ€150â€5p/MMP16 axis. Journal of Gene Medicine, 2020, 22, e3231.	2.8	13
80	Clinical manifestations and radiological characteristics in patients with idiopathic syringomyelia and scoliosis. European Spine Journal, 2018, 27, 2148-2155.	2.2	12
81	LncRNAâ€SULT1C2A regulates <i>Foxo4</i> in congenital scoliosis by targeting rnoâ€miRâ€466câ€5p through PI3Kâ€ATK signalling. Journal of Cellular and Molecular Medicine, 2019, 23, 4582-4591.	3.6	12
82	Association Between rs11190870 Polymorphism Near LBX1 and Susceptibility to Adolescent Idiopathic Scoliosis in East Asian Population. Spine, 2014, 39, 862-869.	2.0	11
83	Does Scoliosis Affect Sleep Breathing?. World Neurosurgery, 2018, 118, e946-e950.	1.3	11
84	MicroRNA signature of air pollution exposureâ€induced congenital defects. Journal of Cellular Physiology, 2019, 234, 17896-17904.	4.1	11
85	Melatonin protected against the detrimental effects of microRNAâ€363 in a rat model of vitamin Aâ€associated congenital spinal deformities: Involvement of Notch signaling. Journal of Pineal Research, 2019, 66, e12558.	7.4	11
86	PAQR3: a novel tumor suppressor gene. American Journal of Cancer Research, 2015, 5, 2562-8.	1.4	11
87	Scoliosis in Mitochondrial Myopathy. Medicine (United States), 2015, 94, e513.	1.0	10
88	Correlation between severity of adolescent idiopathic scoliosis and pulmonary artery systolic pressure: a study of 338 patients. European Spine Journal, 2016, 25, 3180-3185.	2.2	10
89	Circulating epigenetic biomarkers in melanoma. Tumor Biology, 2016, 37, 1487-1492.	1.8	10
90	Differentially expressed circular RNAs in air pollution–exposed rat embryos. Environmental Science and Pollution Research, 2019, 26, 34421-34429.	5. 3	10

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91	Role of melatonin in the dynamics of acute spinal cord injury in rats. Journal of Cellular and Molecular Medicine, 2021, 25, 2909-2917.	3.6	10
92	Thoracolumbar Scoliosis Due to Cryptococcal Osteomyelitis. Medicine (United States), 2016, 95, e2613.	1.0	9
93	Gossypol Promotes Bone Formation in Ovariectomy-Induced Osteoporosis through Regulating Cell Apoptosis. BioMed Research International, 2018, 2018, 1-9.	1.9	9
94	New insights into MicroRNAs involves in drug resistance in diffuse large B cell lymphoma. American Journal of Translational Research (discontinued), 2015, 7, 2536-42.	0.0	9
95	Scoliosis in Herlyn–Werner–Wunderlich Syndrome. Medicine (United States), 2014, 93, e185.	1.0	8
96	Bone metastasis of malignant thymomas associated with peripheral T-cell lymphocytosis. BMC Surgery, 2016, 16, 58.	1.3	8
97	Surgical correction of hyperlordosis in facioscapulohumeral muscular dystrophy: A case report. BMC Surgery, 2017, 17, 83.	1.3	8
98	Incidence and Risk Factors of Acute Pancreatitis After Scoliosis Surgery. Spine, 2018, 43, 630-636.	2.0	8
99	LINC01133: an emerging tumor-associated long non-coding RNA in tumor and osteosarcoma. Environmental Science and Pollution Research, 2020, 27, 32467-32473.	5.3	8
100	Drug Fever Induced by Piperacillin/Tazobactam in a Scoliosis Patient. Medicine (United States), 2015, 94, e1875.	1.0	7
101	Congenital Scoliosis in Smith–Magenis Syndrome. Medicine (United States), 2015, 94, e705.	1.0	7
102	Spinal growth modulation with posterior unilateral elastic tether in immature swine model. Spine Journal, 2015, 15, 138-145.	1.3	7
103	The role of miRNAs in the pheochromocytomas. Tumor Biology, 2016, 37, 4235-4239.	1.8	7
104	Noncoding RNAs Involved in the Pathogenesis of Ankylosing Spondylitis. BioMed Research International, 2019, 2019, 1-8.	1.9	7
105	Kyphoscoliosis with Klippel-Trenaunay syndrome: a case report and literature review. BMC Musculoskeletal Disorders, 2019, 20, 10.	1.9	6
106	Vertebral Growth Around Distal Instrumented Vertebra in Patients With Early-Onset Scoliosis Who Underwent Traditional Dual Growing Rod Treatment. Spine, 2019, 44, 855-865.	2.0	6
107	Modified Facet Joint Fusion for Lumbar Degenerative Disease: Case Series of a Fusion Technique, Clinical Outcomes, and Fusion Rate in 491 Patients. Operative Neurosurgery, 2020, 19, 255-263.	0.8	6
108	Multi-omic analysis suggests tumor suppressor genes evolved specific promoter features to optimize cancer resistance. Briefings in Bioinformatics, 2021, 22, .	6.5	6

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109	Melatonin Synergizes With Methylprednisolone to Ameliorate Acute Spinal Cord Injury. Frontiers in Pharmacology, 2021, 12, 723913.	3.5	6
110	Finite analysis of stability between modified articular fusion technique, posterior lumbar interbody fusion and posteriorlateral lumbar fusion. BMC Musculoskeletal Disorders, 2021, 22, 1015.	1.9	6
111	Thoracolumbar Scoliosis in a Patient With Proteus Syndrome. Medicine (United States), 2015, 94, e360.	1.0	5
112	Embryonic gene expression altered by maternal exposure to air pollution in rats. Environmental Science and Pollution Research, 2020, 27, 31699-31705.	5.3	5
113	Bioinformatic analysis of SMN1–ACE/ACE2 interactions hinted at a potential protective effect of spinal muscular atrophy against COVID-19-induced lung injury. Briefings in Bioinformatics, 2021, 22, 1291-1296.	6.5	5
114	Lumbar spinal stenosis combined with obesity-induced idiopathic spinal epidural lipomatosis treated with posterior lumbar fusion: case report. BMC Surgery, 2021, 21, 215.	1.3	5
115	miR-10a-5p, miR-99a-5p and miR-21-5p are steroid-responsive circulating microRNAs. American Journal of Translational Research (discontinued), 2018, 10, 1490-1497.	0.0	5
116	A new robotically assisted system for total knee arthroplasty: A sheep model study. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2264.	2.3	4
117	Bone-strengthening pill (BSP) promotes bone cell and chondrocyte repair, and the clinical and experimental study of BSP in the treatment of osteonecrosis of the femoral head. Oncotarget, 2017, 8, 97079-97089.	1.8	4
118	Single Chain Antibody Vaccination in Mice Against Human Ovarian Cancer Enhanced by Microspheres and Cytokines. Journal of Drug Targeting, 2003, 11, 169-176.	4.4	3
119	The role of microRNAs in the adrenocortical carcinomas. Tumor Biology, 2016, 37, 1515-1519.	1.8	3
120	Small incision discectomy for lumbar disc herniation in 98 patients with 5-year follow-up. Medicine (United States), 2019, 98, e15569.	1.0	3
121	Surgical Scoliosis Correction in Chiari-I Malformation with Syringomyelia Versus Idiopathic Syringomyelia. Journal of Bone and Joint Surgery - Series A, 2020, 102, 1405-1415.	3.0	3
122	Growing-rod implantation improves nutrition status of early-onset scoliosis patients: a case series study of minimum 3-year follow-up. BMC Surgery, 2021, 21, 106.	1.3	3
123	Better precision of a new robotically assisted system for total knee arthroplasty compared to conventional techniques: A sawbone model study. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2263.	2.3	3
124	A novel probe for measuring tissue bioelectrical impedance to enhance pedicle screw placement in spinal surgery. American Journal of Translational Research (discontinued), 2018, 10, 2205-2212.	0.0	3
125	Emerging roles of long non-coding RNAs in osteonecrosis of the femoral head. American Journal of Translational Research (discontinued), 2020, 12, 5984-5991.	0.0	3
126	Comparison between modified facet joint fusion and posterolateral fusion for the treatment of lumbar degenerative diseases: a retrospective study. BMC Surgery, 2022, 22, 29.	1.3	3

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127	Successful surgical treatment of scoliosis secondary to Guillain–Barré syndrome. Medicine (United) Tj ETQq1	1.078431	.4grgBT/O∨
128	Perioperative Measurement of Radiation Exposure to Radiation-Sensitive Organs of Patients Undergoing Lumbar Surgeries Using a Thermoluminescent Dosimeter. World Neurosurgery, 2018, 118, e43-e51.	1.3	2
129	Local infiltration with cocktail analgesics during 2 level lumbar spinal fusion surgery. Medicine (United States), 2019, 98, e15526.	1.0	2
130	The Effect of Traditional Single Growing Rod Technique on the Growth of Unsegmented Levels in Mixed-Type Congenital Scoliosis. Global Spine Journal, 2022, 12, 922-930.	2.3	2
131	Genomeâ€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.	3.6	2
132	Bending rod is unnecessary in single-level posterior internal fixation and fusion in treatment of lumbar degenerative diseases. BMC Surgery, 2021, 21, 394.	1.3	2
133	Bone-strengthening supplement (BSP) promotes bone and cartilage repair, for the treatment of Osteonecrosis of Femoral Head: an MRI-based study. American Journal of Translational Research (discontinued), 2019, 11, 7449-7455.	0.0	2
134	Preliminary Study of a New Growing Rod System in Immature Swine Model. World Neurosurgery, 2019, 126, e653-e660.	1.3	1
135	Protective role of microRNA-23a/b-3p inhibition against osteoarthritis through Gremlin1-depenent activation of TGF-β/smad signaling in chondrocytesa. Inflammopharmacology, 2022, 30, 843-853.	3.9	1
136	Antitumor Effect of an Antibody Against Gastrointestinal Cancer–Associated Antigen CA19.9. Cancer Biotherapy and Radiopharmaceuticals, 2007, 22, 597-606.	1.0	0
137	Scoliosis in a Patient With Gilbert Syndrome. Medicine (United States), 2015, 94, e2147.	1.0	0