

Jianguo Xu

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

2,005
citations

361413

20
h-index

345221

36
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122
all docs

122
docs citations

122
times ranked

2539
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of astrocytes in oxidative stress of central nervous system: A mixed blessing. <i>Cell Proliferation</i> , 2020, 53, e12781.	5.3	150
2	Association of Corticosteroid Treatment With Outcomes in Adult Patients With Sepsis. <i>JAMA Internal Medicine</i> , 2019, 179, 213.	5.1	117
3	Tumor Acidity and Near-Infrared Light Responsive Dual Drug Delivery Polydopamine-Based Nanoparticles for Chemo-Photothermal Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2009733.	14.9	98
4	Tandem CAR-T cells targeting CD70 and B7-H3 exhibit potent preclinical activity against multiple solid tumors. <i>Theranostics</i> , 2020, 10, 7622-7634.	10.0	96
5	B7-H3-Targeted CAR-T Cells Exhibit Potent Antitumor Effects on Hematologic and Solid Tumors. <i>Molecular Therapy - Oncolytics</i> , 2020, 17, 180-189.	4.4	67
6	The Diagnostic Value of Radiomics-Based Machine Learning in Predicting the Grade of Meningiomas Using Conventional Magnetic Resonance Imaging: A Preliminary Study. <i>Frontiers in Oncology</i> , 2019, 9, 1338.	2.8	64
7	CD47: the next checkpoint target for cancer immunotherapy. <i>Critical Reviews in Oncology/Hematology</i> , 2020, 152, 103014.	4.4	52
8	3D printing of nerve conduits with nanoparticle-encapsulated RGFP966. <i>Applied Materials Today</i> , 2019, 16, 247-256.	4.3	46
9	Therapeutic siCCR2 Loaded by Tetrahedral Framework DNA Nanorobotics in Therapy for Intracranial Hemorrhage. <i>Advanced Functional Materials</i> , 2021, 31, 2101435.	14.9	46
10	Accuracy of Raman spectroscopy in differentiating brain tumor from normal brain tissue. <i>Oncotarget</i> , 2017, 8, 36824-36831.	1.8	42
11	Bioactivity and safety of B7-H3-targeted chimeric antigen receptor T cells against anaplastic meningioma. <i>Clinical and Translational Immunology</i> , 2020, 9, e1137.	3.8	41
12	Administration of B7-H3 targeted chimeric antigen receptor-T cells induce regression of glioblastoma. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 125.	17.1	41
13	Microneedle-mediated vascular endothelial growth factor delivery promotes angiogenesis and functional recovery after stroke. <i>Journal of Controlled Release</i> , 2021, 338, 610-622.	9.9	40
14	Recent incidence trend of elderly patients with glioblastoma in the United States, 2000-2017. <i>BMC Cancer</i> , 2021, 21, 54.	2.6	36
15	Prognostic role of survivin in patients with glioma. <i>Medicine (United States)</i> , 2018, 97, e0571.	1.0	30
16	Expression of β -amyloid precursor protein in refractory epilepsy. <i>Molecular Medicine Reports</i> , 2014, 9, 1242-1248.	2.4	29
17	Development of a hybrid nanocarrier-recognizing tumor vasculature and penetrating the BBB for glioblastoma multi-targeting therapy. <i>Nanoscale</i> , 2019, 11, 11285-11304.	5.6	27
18	Radiomics-Based Machine Learning Technology Enables Better Differentiation Between Glioblastoma and Anaplastic Oligodendroglioma. <i>Frontiers in Oncology</i> , 2019, 9, 1164.	2.8	27

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19	Effective improvement of the neuroprotective activity after spinal cord injury by synergistic effect of glucocorticoid with biodegradable amphipathic nanomicelles. <i>Drug Delivery</i> , 2017, 24, 391-401.	5.7	26
20	Expression and clinical significance of PD-L1, B7-H3, B7-H4 and VISTA in craniopharyngioma. , 2020, 8, e000406.		25
21	Elevated level of D-dimer increases the risk of stroke. <i>Oncotarget</i> , 2018, 9, 2208-2219.	1.8	25
22	Hyperoside Attenuate Inflammation in HT22 Cells via Upregulating SIRT1 to Activities Wnt/ β -Catenin and Sonic Hedgehog Pathways. <i>Neural Plasticity</i> , 2021, 2021, 1-10.	2.2	24
23	XGBoost Machine Learning Algorithm Performed Better Than Regression Models in Predicting Mortality of Moderate-to-Severe Traumatic Brain Injury. <i>World Neurosurgery</i> , 2022, 163, e617-e622.	1.3	24
24	Glioblastoma and Anaplastic Astrocytoma: Differentiation Using MRI Texture Analysis. <i>Frontiers in Oncology</i> , 2019, 9, 876.	2.8	23
25	XGBoost Machine Learning Algorithm for Prediction of Outcome in Aneurysmal Subarachnoid Hemorrhage. <i>Neuropsychiatric Disease and Treatment</i> , 2022, Volume 18, 659-667.	2.2	23
26	Machine-Learning Classifiers in Discrimination of Lesions Located in the Anterior Skull Base. <i>Frontiers in Oncology</i> , 2020, 10, 752.	2.8	22
27	A Tumor-Specific Ferric-Coordinated Epigallocatechin-3-gallate cascade nanoreactor for glioblastoma therapy. <i>Journal of Advanced Research</i> , 2021, 34, 29-41.	9.5	22
28	Prognostic role of early D-dimer level in patients with acute ischemic stroke. <i>PLoS ONE</i> , 2019, 14, e0211458.	2.5	21
29	Progesterone for Acute Traumatic Brain Injury: A Systematic Review of Randomized Controlled Trials. <i>PLoS ONE</i> , 2015, 10, e0140624.	2.5	20
30	Prognostic role of neutrophil lymphocyte ratio in patients with glioma. <i>Oncotarget</i> , 2017, 8, 59217-59224.	1.8	20
31	Aberrant membranous expression of β -catenin predicts poor prognosis in patients with craniopharyngioma. <i>Annals of Diagnostic Pathology</i> , 2015, 19, 403-408.	1.3	19
32	Microsurgery for intracranial arteriovenous malformation: Long-term outcomes in 445 patients. <i>PLoS ONE</i> , 2017, 12, e0174325.	2.5	19
33	Novel nanoscale topography on poly(propylene carbonate)/poly(ϵ -caprolactone) electrospun nanofibers modifies osteogenic capacity of ADCs. <i>RSC Advances</i> , 2015, 5, 82834-82844.	3.6	18
34	Rapid and accurate intraoperative pathological diagnosis by artificial intelligence with deep learning technology. <i>Medical Hypotheses</i> , 2017, 107, 98-99.	1.5	17
35	MiR-30b-5p modulates glioma cell proliferation by direct targeting MTDH. <i>Saudi Journal of Biological Sciences</i> , 2018, 25, 947-952.	3.8	17
36	ICMT contributes to hepatocellular carcinoma growth, survival, migration and chemoresistance via multiple oncogenic pathways. <i>Biochemical and Biophysical Research Communications</i> , 2019, 518, 584-589.	2.1	17

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37	<p>Fabrication and Properties of a Biomimetic Dura Matter Substitute Based on Stereocomplex Poly(Lactic Acid) Nanofibers</p>. International Journal of Nanomedicine, 2020, Volume 15, 3729-3740.	6.7	17
38	NF-ÎB-Induced Upregulation of miR-146a-5p Promoted Hippocampal Neuronal Oxidative Stress and Pyroptosis via TIGAR in a Model of Alzheimerâ€™s Disease. Frontiers in Cellular Neuroscience, 2021, 15, 653881.	3.7	17
39	Microvascular density and vascular endothelial growth factor have little correlation with prognosis of craniopharyngioma. World Neurosurgery, 2006, 66, S30-S34.	1.3	16
40	MEK Inhibitor Augments Antitumor Activity of B7-H3-Redirected Bispecific Antibody. Frontiers in Oncology, 2020, 10, 1527.	2.8	16
41	Rosuvastatin Nanomicelles Target Neuroinflammation and Improve Neurological Deficit in a Mouse Model of Intracerebral Hemorrhage. International Journal of Nanomedicine, 2021, Volume 16, 2933-2947.	6.7	16
42	Prognostic role of neutrophil lymphocyte ratio in patients with spontaneous intracerebral hemorrhage. Oncotarget, 2017, 8, 77752-77760.	1.8	16
43	Alterations in gut microbiota and elevated serum bilirubin in primary biliary cholangitis patients treated with ursodeoxycholic acid. European Journal of Clinical Investigation, 2022, 52, e13714.	3.4	16
44	The Diagnostic Value of MRI-Based Texture Analysis in Discrimination of Tumors Located in Posterior Fossa: A Preliminary Study. Frontiers in Neuroscience, 2019, 13, 1113.	2.8	15
45	Characterization of novel CTNNB1 mutation in Craniopharyngioma by whole-genome sequencing. Molecular Cancer, 2021, 20, 168.	19.2	15
46	Expression and inhibition of ADAMDEC1 in craniopharyngioma cells. Neurological Research, 2012, 34, 701-706.	1.3	14
47	Melanotic Neuroectodermal Tumor of Infancy Arising in the Skull and Brain: A Systematic Review. World Neurosurgery, 2019, 130, 170-178.	1.3	14
48	Automatic Meningioma Segmentation and Grading Prediction: A Hybrid Deep-Learning Method. Journal of Personalized Medicine, 2021, 11, 786.	2.5	14
49	Expression of Human MCM6 and DNA Topo II Î± in craniopharyngiomas and its correlation with recurrence of the tumor. Journal of Neuro-Oncology, 2007, 83, 183-189.	2.9	13
50	Discrimination between pituitary adenoma and craniopharyngioma using MRI-based image features and texture features. Japanese Journal of Radiology, 2020, 38, 1125-1134.	2.4	13
51	Combination therapy with B7H3-redirected bispecific antibody and Sorafenib elicits enhanced synergistic antitumor efficacy. Theranostics, 2020, 10, 10498-10512.	10.0	13
52	Radiomic Analysis of Craniopharyngioma and Meningioma in the Sellar/Parasellar Area with MR Images Features and Texture Features: A Feasible Study. Contrast Media and Molecular Imaging, 2020, 2020, 1-9.	0.8	13
53	Endovascular Treatment for Fusiform Dilation of Internal Carotid Artery Following Craniopharyngioma Resection. Journal of Child Neurology, 2015, 30, 1354-1356.	1.4	12
54	Relative quantitative expression of hypoxia-inducible factor 1 alpha messenger ribonucleic acid in recurrent craniopharyngiomas. Neurology India, 2014, 62, 53.	0.4	11

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55	Clinical and prognostic role of annexin A2 in adamantinomatous craniopharyngioma. <i>Journal of Neuro-Oncology</i> , 2017, 131, 21-29.	2.9	11
56	Differentiation of Pituitary Adenoma from Rathke Cleft Cyst: Combining MR Image Features with Texture Features. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-9.	0.8	11
57	Endothelial Autophagy: an Effective Target for Radiation-induced Cerebral Capillary Damage. <i>Scientific Reports</i> , 2020, 10, 614.	3.3	11
58	LncRNA UCA1/miR-182-5p/MGMT axis modulates glioma cell sensitivity to temozolomide through MGMT-related DNA damage pathways. <i>Human Pathology</i> , 2022, 123, 59-73.	2.0	11
59	Predictive value of preoperative retinal nerve fiber layer thickness for postoperative visual recovery in patients with chiasmal compression. <i>Oncotarget</i> , 2017, 8, 59148-59155.	1.8	10
60	World Health Organization Grade II Meningiomas: The Role of Adjuvant/Salvage Gamma Knife Surgery After Initial Surgery and Prognostic Factor Assessment. <i>World Neurosurgery</i> , 2018, 109, e352-e362.	1.3	10
61	A giant solid cavernous hemangioma mimicking sphenoid wing meningioma in an adolescent. <i>Medicine (United States)</i> , 2018, 97, e13098.	1.0	10
62	Frequent B7-H3 overexpression in craniopharyngioma. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 379-385.	2.1	10
63	Angiogenesis and cell proliferation in human craniopharyngioma xenografts in nude mice. <i>Journal of Neurosurgery: Pediatrics</i> , 2006, 105, 306-310.	1.3	9
64	Insights Into Neuroimaging Findings of Patients With Coronavirus Disease 2019 Presenting With Neurological Manifestations. <i>Frontiers in Neurology</i> , 2020, 11, 593520.	2.4	9
65	Serum bilirubin level correlates with mortality in patients with traumatic brain injury. <i>Medicine (United States)</i> , 2020, 99, e21020.	1.0	9
66	Controlling nutritional status (CONUT) score is a predictive marker for patients with traumatic brain injury. <i>Clinical Neurology and Neurosurgery</i> , 2020, 195, 105909.	1.4	9
67	Lactate Albumin Ratio Is Associated With Mortality in Patients With Moderate to Severe Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2022, 13, 662385.	2.4	9
68	Long-Term Results of Patients with Head Injuries Treated in Different Hospitals After the Wenchuan, China, Earthquake. <i>World Neurosurgery</i> , 2011, 75, 390-396.	1.3	8
69	Pediatric meningiomas: 10-year experience with 39 patients. <i>Journal of Neuro-Oncology</i> , 2020, 149, 543-553.	2.9	8
70	Differentiation between Germinoma and Craniopharyngioma Using Radiomics-Based Machine Learning. <i>Journal of Personalized Medicine</i> , 2022, 12, 45.	2.5	8
71	A Novel Circular RNA CircRFX3 Serves as a Sponge for MicroRNA-587 in Promoting Glioblastoma Progression via Regulating PDIA3. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 757260.	3.7	8
72	Teaching Neuro Images : Spontaneous resolution of a giant intracranial arachnoid cyst. <i>Neurology</i> , 2016, 86, e199-200.	1.1	7

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73	Ability of Radiomics in Differentiation of Anaplastic Oligodendroglioma From Atypical Low-Grade Oligodendroglioma Using Machine-Learning Approach. <i>Frontiers in Oncology</i> , 2019, 9, 1371.	2.8	7
74	Incidence and Burden of Acute Kidney Injury among Traumatic Brain-Injury Patients. <i>Risk Management and Healthcare Policy</i> , 2021, Volume 14, 4571-4580.	2.5	7
75	Intrasellar symptomatic salivary gland: case series and literature review. <i>Pituitary</i> , 2019, 22, 640-646.	2.9	6
76	Nomograms for Predicting Overall Survival Among Patients with Craniopharyngiomas at Initial Diagnosis: A SEER Population-Based Analysis. <i>International Journal of General Medicine</i> , 2021, Volume 14, 3517-3527.	1.8	6
77	Feature Pyramid Network With Level-Aware Attention for Meningioma Segmentation. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2022, 6, 1201-1210.	4.9	6
78	Diagnostic Performance of Increased Signal Intensity Within the Resection Cavity on Fluid-Attenuated Inversion Recovery Sequences for Detection of Progression in Patients with Glioma. <i>World Neurosurgery</i> , 2018, 110, 434-441.	1.3	5
79	Lateral Intraventricular Anaplastic Meningioma: A Series of 5 Patients at a Single Institution and Literature Review. <i>World Neurosurgery</i> , 2019, 131, e1-e11.	1.3	5
80	Methylene blue post-treatment improves hypoxia-ischemic recovery in a neonatal rat model. <i>Neurochemistry International</i> , 2020, 139, 104782.	3.8	5
81	Lateral Ventricular Meningiomas: Clinical Features, Radiological Findings and Long-Term Outcomes. <i>Cancer Management and Research</i> , 2021, Volume 13, 6089-6099.	1.9	5
82	Hyaluronic Acid-Conjugated Nanoparticles for the Targeted Delivery of Cabazitaxel to CD44-Overexpressing Glioblastoma Cells. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 595-605.	1.1	5
83	A novel risk score for predicting hospital acquired pneumonia in aneurysmal subarachnoid hemorrhage patients. <i>International Immunopharmacology</i> , 2022, 108, 108845.	3.8	5
84	Cerebellar meningeal melanocytoma associated with nevus of Ota. <i>Neurology</i> , 2015, 85, 555-556.	1.1	4
85	Giant Pseudoaneurysm from Superficial Temporal Artery After Trauma. <i>World Neurosurgery</i> , 2018, 115, 264-265.	1.3	4
86	Aspergillus Osteomyelitis of Clivus. <i>World Neurosurgery</i> , 2018, 120, 15-16.	1.3	4
87	Texture Analysis of T1-Weighted Contrast-Enhanced Magnetic Resonance Imaging Potentially Predicts Outcomes of Patients with Non-Wingless-Type/Non-Sonic Hedgehog Medulloblastoma. <i>World Neurosurgery</i> , 2020, 137, e27-e33.	1.3	4
88	Prognostic Role of MicroRNA 222 in Patients with Glioma: A Meta-analysis. <i>BioMed Research International</i> , 2020, 2020, 1-7.	1.9	4
89	Differentiation of Low-Grade Astrocytoma From Anaplastic Astrocytoma Using Radiomics-Based Machine Learning Techniques. <i>Frontiers in Oncology</i> , 2021, 11, 521313.	2.8	4
90	The predictors of clinical outcomes in brainstem arteriovenous malformations after stereotactic radiosurgery. <i>Medicine (United States)</i> , 2021, 100, e26203.	1.0	4

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91	Machine Learning-Based Radiomics of the Optic Chiasm Predict Visual Outcome Following Pituitary Adenoma Surgery. <i>Journal of Personalized Medicine</i> , 2021, 11, 991.	2.5	4
92	A Prognostic Model Incorporating Red Cell Distribution Width to Platelet Ratio for Patients with Traumatic Brain Injury. <i>Therapeutics and Clinical Risk Management</i> , 2021, Volume 17, 1239-1248.	2.0	4
93	Serum Lactate Level in Early Stage Is Associated With Acute Kidney Injury in Traumatic Brain Injury Patients. <i>Frontiers in Surgery</i> , 2021, 8, 761166.	1.4	4
94	Nerve transfer with 3D-printed branch nerve conduits. <i>Burns and Trauma</i> , 2022, 10, tkac010.	4.9	4
95	Lymphoplasmacyte-rich meningioma in the central nervous system. <i>Medicine (United States)</i> , 2021, 100, e27991.	1.0	4
96	The cell-cycle kinetics of craniopharyngioma and its clinical significance. <i>Journal of Neuro-Oncology</i> , 2010, 98, 71-76.	2.9	3
97	High FABP5 Versus CRABP II Expression Ratio in Recurrent Craniopharyngiomas: Implications for Future Treatment. <i>World Neurosurgery</i> , 2016, 94, 197-205.	1.3	3
98	The Inhibitory Effect of Carboplatin Injection on Human Neuroblastoma SK-N-SH. <i>Cell Transplantation</i> , 2020, 29, 096368972092081.	2.5	3
99	Individualized management of giant anterior meningoceles-case series. <i>Medicine (United States)</i> , 2020, 99, e19631.	1.0	3
100	Development and evaluation of a novel biodegradable implants with excellent inflammatory response suppression effect by hot-melt extrusion. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 166, 105981.	4.0	3
101	T cell stimulation and expansion by SunTag-based clustering of anti-CD3/CD28 scFv. <i>Aging</i> , 2020, 12, 11061-11070.	3.1	3
102	Successful Surgical Treatment of Mature Teratoma Arising From the Sella. <i>Journal of Clinical Medicine Research</i> , 2015, 7, 122-125.	1.2	2
103	Establishment of primary cultures of craniopharyngioma cells. <i>Neural Regeneration Research</i> , 2012, 7, 601-5.	3.0	2
104	Mystery Case: Giant mature teratoma of the lateral ventricle in a child. <i>Neurology</i> , 2014, 83, e60-1.	1.1	1
105	Risk Factors Analyses for Seizure Recurrence in Different Periods After Refractory Epilepsy Surgery: A Prospective Single-Center Study. <i>World Neurosurgery</i> , 2018, 112, e454-e464.	1.3	1
106	A Rare Phantom Tentorial Lesion. <i>World Neurosurgery</i> , 2018, 116, 234-235.	1.3	1
107	Future Directions for Corticosteroids in Treatment of Sepsis—Reply. <i>JAMA Internal Medicine</i> , 2019, 179, 845.	5.1	1
108	MRI-Based Texture Features as Potential Prognostic Biomarkers in Anaplastic Astrocytoma Patients Undergoing Surgical Treatment. <i>Contrast Media and Molecular Imaging</i> , 2020, 2020, 1-7.	0.8	1

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109	ATRT-03. IDENTIFICATION OF microRNA-BASED PROGNOSTIC BIOMARKERS AND CANDIDATE THERAPEUTIC AGENTS FOR ATYPICAL TERATOID/RHABDOID TUMOR. <i>Neuro-Oncology</i> , 2020, 22, iii275-iii276.	1.2	1
110	Angiomatous lesion and delayed cyst formation after gamma knife surgery for intracranial meningioma: case report and review of literatures. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 15433-6.	0.5	1
111	Growth hormone-secreting adenoma coexisted with gangliocytoma: a rare case. <i>International Journal of Clinical and Experimental Pathology</i> , 2018, 11, 3785-3788.	0.5	1
112	Pigmented villonodular synovitis of the temporomandibular joint with skull base extension: a retrospective case series. <i>Scientific Reports</i> , 2022, 12, 5763.	3.3	1
113	Letter to the Editor. Does preoperative NLR predict brain metastasis resections outcome?. <i>Journal of Neurosurgery</i> , 2017, 127, 446-447.	1.6	0
114	An extremely rare giant skin cirroid angioma with brain compression. <i>Neurology</i> , 2018, 90, 481-481.	1.1	0
115	In Reply to the Letter to the Editor Regarding "World Health Organization Grade II Meningiomas: The Role of Adjuvant/Salvage Gamma Knife Surgery After Initial Surgery and Prognostic Factor Assessment". <i>World Neurosurgery</i> , 2018, 112, 305.	1.3	0
116	The prognostic value of cardiac troponin T in different age groups of traumatic brain injury patients. <i>Acta Neurologica Belgica</i> , 2021, , 1.	1.1	0
117	Benign fibrous histiocytoma of the fronto-temporo-parietal region: a case report and review of the literature. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 15356-62.	0.5	0
118	Isoprenylcysteine carboxyl methyltransferase is critical for glioblastoma growth and survival by activating Ras/Raf/Mek/Erk. <i>Cancer Chemotherapy and Pharmacology</i> , 2022, 89, 401-411.	2.3	0
119	The role of chemotherapy in the treatment of adult medulloblastoma. <i>World Neurosurgery</i> , 2022, , .	1.3	0