Anwen Shao

List of Publications by Year in descending order

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124 papers	5,569 citations	117453 34 h-index	102304 66 g-index
126 all docs	126 docs citations	126 times ranked	6830 citing authors

#	Article	IF	Citations
1	Depression in sleep disturbance: A review on a bidirectional relationship, mechanisms and treatment. Journal of Cellular and Molecular Medicine, 2019, 23, 2324-2332.	1.6	518
2	Nanoparticle-Based Drug Delivery in Cancer Therapy and Its Role in Overcoming Drug Resistance. Frontiers in Molecular Biosciences, 2020, 7, 193.	1.6	510
3	Glial Cells: Role of the Immune Response in Ischemic Stroke. Frontiers in Immunology, 2020, 11, 294.	2.2	301
4	Current epidemiological and clinical features of COVID-19; a global perspective from China. Journal of Infection, 2020, 81, 1-9.	1.7	285
5	Caspases: A Molecular Switch Node in the Crosstalk between Autophagy and Apoptosis. International Journal of Biological Sciences, 2014, 10, 1072-1083.	2.6	221
6	Astaxanthin as a Potential Neuroprotective Agent for Neurological Diseases. Marine Drugs, 2015, 13, 5750-5766.	2.2	144
7	O6-Methylguanine-DNA Methyltransferase (MGMT): Challenges and New Opportunities in Glioma Chemotherapy. Frontiers in Oncology, 2019, 9, 1547.	1.3	140
8	Hydrogen-Rich Saline Attenuated Subarachnoid Hemorrhage-Induced Early Brain Injury in Rats by Suppressing Inflammatory Response: Possible Involvement of NF-Î²B Pathway and NLRP3 Inflammasome. Molecular Neurobiology, 2016, 53, 3462-3476.	1.9	133
9	Mer regulates microglial/macrophage M1/M2 polarization and alleviates neuroinflammation following traumatic brain injury. Journal of Neuroinflammation, 2021, 18, 2.	3.1	126
10	Apelin-13/APJ system attenuates early brain injury via suppression of endoplasmic reticulum stress-associated TXNIP/NLRP3 inflammasome activation and oxidative stress in a AMPK-dependent manner after subarachnoid hemorrhage in rats. Journal of Neuroinflammation, 2019, 16, 247.	3.1	121
11	Neurovascular Unit Dysfunction and Neurodegenerative Disorders. Frontiers in Neuroscience, 2020, 14, 334.	1.4	120
12	Dual roles of astrocytes in plasticity and reconstruction after traumatic brain injury. Cell Communication and Signaling, 2020, 18, 62.	2.7	111
13	Crosstalk between stem cell and spinal cord injury: pathophysiology and treatment strategies. Stem Cell Research and Therapy, 2019, 10, 238.	2.4	89
14	Pathophysiological Mechanisms and Potential Therapeutic Targets in Intracerebral Hemorrhage. Frontiers in Pharmacology, 2019, 10, 1079.	1.6	79
15	The Role of lncRNAs in the Distant Metastasis of Breast Cancer. Frontiers in Oncology, 2019, 9, 407.	1.3	79
16	Neuroprotective Effect of Hydrogen-Rich Saline against Neurologic Damage and Apoptosis in Early Brain Injury following Subarachnoid Hemorrhage: Possible Role of the Akt/GSK3Î² Signaling Pathway. PLoS ONE, 2014, 9, e96212.	1.1	77
17	The Role of Exosomal microRNAs and Oxidative Stress in Neurodegenerative Diseases. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-17.	1.9	74
18	Enhancement of Autophagy by Histone Deacetylase Inhibitor Trichostatin A Ameliorates Neuronal Apoptosis After Subarachnoid Hemorrhage in Rats. Molecular Neurobiology, 2016, 53, 18-27.	1.9	70

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19	Programmed Cell Deaths and Potential Crosstalk With Bloodâ€“Brain Barrier Dysfunction After Hemorrhagic Stroke. Frontiers in Cellular Neuroscience, 2020, 14, 68.	1.8	69
20	Oxidative Stress at the Crossroads of Aging, Stroke and Depression. , 2020, 11, 1537.		64
21	Melanocortin 1 receptor attenuates early brain injury following subarachnoid hemorrhage by controlling mitochondrial metabolism via AMPK/SIRT1/PGC-1Î± pathway in rats. Theranostics, 2021, 11, 522-539.	4.6	64
22	Ferroptosis in Acute Central Nervous System Injuries: The Future Direction?. Frontiers in Cell and Developmental Biology, 2020, 8, 594.	1.8	60
23	Melatonin attenuates neuronal apoptosis through upâ€regulation of <scp>K</scp>⁺â€“<scp>C</scp>l^{â^'} cotransporter <scp>KCC</scp>2 expression following traumatic brain injury in rats. Journal of Pineal Research, 2016, 61, 241-250.	3.4	59
24	The Roles of MicroRNAs in Stroke: Possible Therapeutic Targets. Cell Transplantation, 2018, 27, 1778-1788.	1.2	58
25	Stem Cell Therapy: A Promising Therapeutic Method for Intracerebral Hemorrhage. Cell Transplantation, 2018, 27, 1809-1824.	1.2	55
26	The exploration of mechanisms of comorbidity between migraine and depression. Journal of Cellular and Molecular Medicine, 2019, 23, 4505-4513.	1.6	53
27	Apelin-13 Alleviates Early Brain Injury after Subarachnoid Hemorrhage via Suppression of Endoplasmic Reticulum Stress-mediated Apoptosis and Bloodâ€“Brain Barrier Disruption: Possible Involvement of ATF6/CHOP Pathway. Neuroscience, 2018, 388, 284-296.	1.1	50
28	Advance of Stem Cell Treatment for Traumatic Brain Injury. Frontiers in Cellular Neuroscience, 2019, 13, 301.	1.8	50
29	Emerging therapeutic targets associated with the immune system in patients with intracerebral haemorrhage (ICH): From mechanisms to translation. EBioMedicine, 2019, 45, 615-623.	2.7	50
30	Parthanatos and its associated components: Promising therapeutic targets for cancer. Pharmacological Research, 2021, 163, 105299.	3.1	50
31	Selective autophagy as a therapeutic target for neurological diseases. Cellular and Molecular Life Sciences, 2021, 78, 1369-1392.	2.4	45
32	A Promising Future of Ferroptosis in Tumor Therapy. Frontiers in Cell and Developmental Biology, 2021, 9, 629150.	1.8	44
33	The performance of 11C-Methionine PET in the differential diagnosis of glioma recurrence. Oncotarget, 2017, 8, 91030-91039.	0.8	44
34	A combination of glioma in vivo imaging and in vivo drug delivery by metalâ€“organic framework based composite nanoparticles. Journal of Materials Chemistry B, 2019, 7, 7683-7689.	2.9	43
35	Regulation of efferocytosis as a novel cancer therapy. Cell Communication and Signaling, 2020, 18, 71.	2.7	41
36	Crosstalk between Macrophages, T Cells, and Iron Metabolism in Tumor Microenvironment. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-14.	1.9	40

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37	An updated review of autophagy in ischemic stroke: From mechanisms to therapies. Experimental Neurology, 2021, 340, 113684.	2.0	40
38	Neuroprotective Role of Agmatine in Neurological Diseases. Current Neuropharmacology, 2018, 16, 1296-1305.	1.4	40
39	Single-cell transcriptomic analysis of endometriosis provides insights into fibroblast fates and immune cell heterogeneity. Cell and Bioscience, 2021, 11, 125.	2.1	39
40	Mechanisms and Therapeutic Targets of Depression After Intracerebral Hemorrhage. Frontiers in Psychiatry, 2018, 9, 682.	1.3	37
41	Melatonin Protects Against Neuronal Apoptosis via Suppression of the ATF6/CHOP Pathway in a Rat Model of Intracerebral Hemorrhage. Frontiers in Neuroscience, 2018, 12, 638.	1.4	36
42	Mesencephalic Astrocyte-Derived Neurotrophic Factor (MANF) Protects Against Neuronal Apoptosis via Activation of Akt/MDM2/p53 Signaling Pathway in a Rat Model of Intracerebral Hemorrhage. Frontiers in Molecular Neuroscience, 2018, 11, 176.	1.4	36
43	Neuroprotective Effects of Stem Cells in Ischemic Stroke. Stem Cells International, 2017, 2017, 1-7.	1.2	35
44	AdipoRon Attenuates Neuroinflammation After Intracerebral Hemorrhage Through AdipoR1-AMPK Pathway. Neuroscience, 2019, 412, 116-130.	1.1	35
45	Cepharanthine Attenuates Early Brain Injury after Subarachnoid Hemorrhage in Mice via Inhibiting 15-Lipoxygenase-1-Mediated Microglia and Endothelial Cell Ferroptosis. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-16.	1.9	35
46	Activation of Melanocortin 1 Receptor Attenuates Early Brain Injury in a Rat Model of Subarachnoid Hemorrhage viathe Suppression of Neuroinflammation through AMPK/TBK1/NF-Î²B Pathway in Rats. Neurotherapeutics, 2020, 17, 294-308.	2.1	34
47	The performance of MR perfusion-weighted imaging for the differentiation of high-grade glioma from primary central nervous system lymphoma: A systematic review and meta-analysis. PLoS ONE, 2017, 12, e0173430.	1.1	34
48	Sodium Benzoate Attenuates Secondary Brain Injury by Inhibiting Neuronal Apoptosis and Reducing Mitochondria-Mediated Oxidative Stress in a Rat Model of Intracerebral Hemorrhage: Possible Involvement of DJ-1/Akt/IKK/NFÎºB Pathway. Frontiers in Molecular Neuroscience, 2019, 12, 105.	1.4	33
49	PCMT1 Ameliorates Neuronal Apoptosis by Inhibiting the Activation of MST1 after Subarachnoid Hemorrhage in Rats. Translational Stroke Research, 2017, 8, 474-483.	2.3	32
50	Transcriptome analyses reveal molecular mechanisms underlying phenotypic differences among transcriptional subtypes of glioblastoma. Journal of Cellular and Molecular Medicine, 2020, 24, 3901-3916.	1.6	32
51	The Role of Oxidative Stress in Common Risk Factors and Mechanisms of Cardio-Cerebrovascular Ischemia and Depression. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13.	1.9	31
52	Immunoreactive Cells After Cerebral Ischemia. Frontiers in Immunology, 2019, 10, 2781.	2.2	31
53	Pathophysiology and Therapeutic Potential of NADPH Oxidases in Ischemic Stroke-Induced Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-11.	1.9	31
54	The role of glymphatic system in the cerebral edema formation after ischemic stroke. Experimental Neurology, 2021, 340, 113685.	2.0	31

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55	Diagnostic value of BRAFV600E-mutation analysis in fine-needle aspiration of thyroid nodules: a meta-analysis. OncoTargets and Therapy, 2016, 9, 2495.	1.0	30
56	Low-density lipoprotein receptor-related protein-1 facilitates heme scavenging after intracerebral hemorrhage in mice. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1299-1310.	2.4	30
57	Affective Immunology: The Crosstalk Between Microglia and Astrocytes Plays Key Role?. Frontiers in Immunology, 2020, 11, 1818.	2.2	30
58	Astragaloside IV Alleviates Early Brain Injury Following Experimental Subarachnoid Hemorrhage in Rats. International Journal of Medical Sciences, 2014, 11, 1073-1081.	1.1	29
59	Clinical Significance of Somatostatin Receptor (SSTR) 2 in Meningioma. Frontiers in Oncology, 2020, 10, 1633.	1.3	28
60	The Role of Nitric Oxide and Sympathetic Control in Cerebral Autoregulation in the Setting of Subarachnoid Hemorrhage and Traumatic Brain Injury. Molecular Neurobiology, 2016, 53, 3606-3615.	1.9	26
61	Efficacy and safety of long-term therapy for high-grade glioma with temozolomide: A meta-analysis. Oncotarget, 2017, 8, 51758-51765.	0.8	26
62	Osteopontin as a candidate of therapeutic application for the acute brain injury. Journal of Cellular and Molecular Medicine, 2020, 24, 8918-8929.	1.6	24
63	The Performance of CT versus MRI in the Differential Diagnosis of Cerebral Venous Thrombosis. Thrombosis and Haemostasis, 2018, 118, 1067-1077.	1.8	23
64	The role and therapeutic potential of heat shock proteins in haemorrhagic stroke. Journal of Cellular and Molecular Medicine, 2019, 23, 5846-5858.	1.6	22
65	Inhibition of caspase-1-mediated inflammasome activation reduced blood coagulation in cerebrospinal fluid after subarachnoid haemorrhage. EBioMedicine, 2022, 76, 103843.	2.7	22
66	Molecular hydrogen: A potential radioprotective agent. Biomedicine and Pharmacotherapy, 2020, 130, 110589.	2.5	21
67	Persistent Neurovascular Unit Dysfunction: Pathophysiological Substrate and Trigger for Late-Onset Neurodegeneration After Traumatic Brain Injury. Frontiers in Neuroscience, 2020, 14, 581.	1.4	21
68	Roles of TRP Channels in Neurological Diseases. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.	1.9	20
69	MicroRNAs and Long Non-coding RNAs in c-Met-Regulated Cancers. Frontiers in Cell and Developmental Biology, 2020, 8, 145.	1.8	19
70	Efferocytosis and Its Associated Cytokines: A Light on Non-tumor and Tumor Diseases?. Molecular Therapy - Oncolytics, 2020, 17, 394-407.	2.0	19
71	Opportunities and challenges of glioma organoids. Cell Communication and Signaling, 2021, 19, 102.	2.7	19
72	The K+â€“Clâ¨ Cotransporter KCC2 and Chloride Homeostasis: Potential Therapeutic Target in Acute Central Nervous System Injury. Molecular Neurobiology, 2016, 53, 2141-2151.	1.9	18

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73	Dysfunction of the neurovascular unit in diabetes-related neurodegeneration. Biomedicine and Pharmacotherapy, 2020, 131, 110656.	2.5	18
74	Will Sirtuins Be Promising Therapeutic Targets for TBI and Associated Neurodegenerative Diseases?. Frontiers in Neuroscience, 2020, 14, 791.	1.4	18
75	Potential Mechanisms and Perspectives in Ischemic Stroke Treatment Using Stem Cell Therapies. Frontiers in Cell and Developmental Biology, 2021, 9, 646927.	1.8	18
76	Prognostic and Predictive Value of a Long Non-coding RNA Signature in Glioma: A lncRNA Expression Analysis. Frontiers in Oncology, 2020, 10, 1057.	1.3	17
77	A new perspective on cerebrospinal fluid dynamics after subarachnoid hemorrhage: From normal physiology to pathophysiological changes. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 543-558.	2.4	17
78	Is Ferroptosis a Future Direction in Exploring Cryptococcal Meningitis?. Frontiers in Immunology, 2021, 12, 598601.	2.2	16
79	Crosstalk Between Tumor-Associated Microglia/Macrophages and CD8-Positive T Cells Plays a Key Role in Glioblastoma. Frontiers in Immunology, 2021, 12, 650105.	2.2	15
80	Melatonin Ameliorates Hemorrhagic Transformation via Suppression of ROS-Induced NLRP3 Activation after Cerebral Ischemia in Hyperglycemic Rats. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-12.	1.9	14
81	The Role of Transient Receptor Potential Channels in Blood-Brain Barrier Dysfunction after Ischemic Stroke. Biomedicine and Pharmacotherapy, 2020, 131, 110647.	2.5	13
82	Neurosteroids: A novel promise for the treatment of stroke and postâ€stroke complications. Journal of Neurochemistry, 2022, 160, 113-127.	2.1	13
83	Outcomes of Ventriculoperitoneal Shunt in Patients With Idiopathic Normal-Pressure Hydrocephalus 2 Years After Surgery. Frontiers in Surgery, 2021, 8, 641561.	0.6	12
84	Glymphatic System: Emerging Therapeutic Target for Neurological Diseases. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-14.	1.9	12
85	The Role of Formyl Peptide Receptors in Neurological Diseases via Regulating Inflammation. Frontiers in Cellular Neuroscience, 2021, 15, 753832.	1.8	11
86	HGF/c-Met Axis: The Advanced Development in Digestive System Cancer. Frontiers in Cell and Developmental Biology, 2020, 8, 801.	1.8	10
87	Is DNA Methylation a Ray of Sunshine in Predicting Meningioma Prognosis?. Frontiers in Oncology, 2020, 10, 1323.	1.3	9
88	Efficacy and Safety of Botulinum Toxin vs. Placebo in Depression: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Frontiers in Psychiatry, 2020, 11, 603087.	1.3	9
89	Immuno-oncology: are TAM receptors in glioblastoma friends or foes?. Cell Communication and Signaling, 2021, 19, 11.	2.7	9
90	Oxidative Stress-Induced Ferroptosis in Cardiovascular Diseases and Epigenetic Mechanisms. Frontiers in Cell and Developmental Biology, 2021, 9, 685775.	1.8	9

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91	Changes of ferrous iron and its transporters after intracerebral hemorrhage in rats. International Journal of Clinical and Experimental Pathology, 2015, 8, 10671-9.	0.5	9
92	Association between Non-Alcoholic Fatty Liver Disease and Intracerebral Hemorrhage. Cell Transplantation, 2019, 28, 1033-1038.	1.2	8
93	Molecular Mechanism and Approach in Progression of Meningioma. Frontiers in Oncology, 2020, 10, 538845.	1.3	8
94	Massive Cerebral Infarction Following Facial Injection of Autologous Fat: A Case Report and Review of the Literature. Frontiers in Human Neuroscience, 2021, 15, 610945.	1.0	8
95	Construction of competitive endogenous RNA network reveals regulatory role of long non-coding RNAs in intracranial aneurysm. BMC Neuroscience, 2021, 22, 15.	0.8	8
96	Efficacy and risks of anticoagulation for cerebral venous thrombosis. Medicine (United States), 2018, 97, e10506.	0.4	7
97	Deep venous drainage variant rate and degree may be higher in patients with perimesencephalic than in non-perimesencephalic angiogram-negative subarachnoid hemorrhage. European Radiology, 2021, 31, 1290-1299.	2.3	7
98	Palmitoylethanolamide ameliorates neuroinflammation via modulating PPAR-Î± to promote the functional outcome after intracerebral hemorrhage. Neuroscience Letters, 2022, 781, 136648.	1.0	7
99	Comparison of Carotid Artery Endarterectomy and Carotid Artery Stenting in Patients With Atherosclerotic Carotid Stenosis. Journal of Craniofacial Surgery, 2014, 25, 1441-1447.	0.3	6
100	Desmoteplase for Acute Ischemic Stroke within 3 to 9â€‰Hours after Symptom Onset: Evidence from Randomized Controlled Trials. Scientific Reports, 2016, 6, 33989.	1.6	6
101	Peroxisomal Dysfunction Contributes to White Matter Injury Following Subarachnoid Hemorrhage in Rats via Thioredoxin-Interacting Protein-Dependent Manner. Frontiers in Cell and Developmental Biology, 2020, 8, 576482.	1.8	6
102	Emerging Clues of Regulatory Roles of Circular RNAs through Modulating Oxidative Stress: Focus on Neurological and Vascular Diseases. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	1.9	6
103	Angiogenesis effect of Astragalus polysaccharide combined with endothelial progenitor cells therapy in diabetic male rat following experimental hind limb ischemia. Chinese Medical Journal, 2014, 127, 2121-8.	0.9	6
104	Comparison Between Routine and Improved Decompressive Craniectomy on Patients With Malignant Cerebral Artery Infarction Without Traumatic Brain Injury. Journal of Craniofacial Surgery, 2013, 24, 2085-2088.	0.3	5
105	Insight into the divergent role of TRAIL in nonâ€neoplastic neurological diseases. Journal of Cellular and Molecular Medicine, 2020, 24, 11070-11083.	1.6	5
106	The â€œPlan-Do-Check-Actionâ€•Plan Helps Improve the Quality of the â€œStandardized Training of Resident Physiciansâ€• An Analysis of the Results of the First Pass Rate. Frontiers in Public Health, 2020, 8, 598774.	1.3	5
107	Fulminant Guillainâ€“BarrÃ© Syndrome and Spontaneous Intraventricular Hemorrhage: A Case Report and Literature Review. Frontiers in Neuroscience, 2020, 14, 633.	1.4	4
108	A Correlative Study Between Personality Traits and the Preference of Site Selection in Cosmetic Treatment. Frontiers in Psychiatry, 2021, 12, 648751.	1.3	4

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109	Changes of Functional, Morphological, and Inflammatory Reactions in Spontaneous Peripheral Nerve Reinnervation after Thermal Injury. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-11.	1.9	4
110	Argon and Subarachnoid Hemorrhage. Critical Care Medicine, 2016, 44, e1008-e1009.	0.4	3
111	Application Prospect of Mesenchymal Stem Cells in the Treatment of Sepsis. Critical Care Medicine, 2020, 48, e634-e634.	0.4	3
112	Endoscopic Endonasal Transclival Approach to Ventral Pontine Cavernous Malformation: Case Report. Frontiers in Surgery, 2021, 8, 654837.	0.6	3
113	The Role of Insulin Glargine and Human Insulin in the Regulation of Thyroid Proliferation Through Mitogenic Signaling. Frontiers in Endocrinology, 2019, 10, 594.	1.5	2
114	A novel scoring system in mortality prediction of severe patients with COVID-19. EClinicalMedicine, 2020, 24, 100450.	3.2	2
115	Letter by Zhou et al Regarding Article, â€œBrain Cleanup as a Potential Target for Poststroke Recovery: The Role of RXR (Retinoic X Receptor) in Phagocytesâ€• Stroke, 2020, 51, e89.	1.0	2
116	Sylvian Fissure Meningiomas: Case Report and Literature Review. Frontiers in Oncology, 2020, 10, 427.	1.3	2
117	Ventriculosternal Shunt for the Treatment of Idiopathic Normal Pressure Hydrocephalus: A Case Report. Frontiers in Surgery, 2021, 8, 607417.	0.6	2
118	TRP Family Genes Are Differently Expressed and Correlated with Immune Response in Glioma. Brain Sciences, 2022, 12, 662.	1.1	2
119	Letter by Shao et al Regarding Article, â€œModified Citrus Pectin Prevents Blood-Brain Barrier Disruption in Mouse Subarachnoid Hemorrhage by Inhibiting Galectin-3â€• Stroke, 2019, 50, STROKEAHA118023830.	1.0	1
120	Letter by Zhou et al Regarding Article, â€œMitochondrial Deacetylase Sirt3 Reduces Vascular Dysfunction and Hypertension While Sirt3 Depletion in Essential Hypertension Is Linked to Vascular Inflammation and Oxidative Stressâ€• Circulation Research, 2020, 126, e31-e32.	2.0	1
121	Letter by Shao and Zhang Regarding Article, â€œMatrix Metalloprotease 3 Exacerbates Hemorrhagic Transformation and Worsens Functional Outcomes in Hyperglycemic Strokeâ€• Stroke, 2016, 47, e172.	1.0	0
122	Letter by Shao and Gao Regarding Article, â€œBexarotene Enhances Macrophage Erythrophagocytosis and Hematoma Clearance in Experimental Intracerebral Hemorrhageâ€• Stroke, 2020, 51, e87.	1.0	0
123	Letter by Gao and Shao Regarding Article, â€œMicroRNA-126-3p/-5p Overexpression Attenuates Blood-Brain Barrier Disruption in a Mouse Model of Middle Cerebral Artery Occlusionâ€• Stroke, 2020, 51, e66.	1.0	0
124	Comparison of Immune Checkpoint Molecules PD-1 and PD-L1 in Paired Primary and Recurrent Glioma: Increasing Trend When Recurrence. Brain Sciences, 2022, 12, 266.	1.1	0