

Denis Vivien

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

4,127
citations

126907

33
h-index

133252

59
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136
all docs

136
docs citations

136
times ranked

4710
citing authors

#	ARTICLE	IF	CITATIONS
1	White matter hyperintensity topography in Alzheimer's disease and links to cognition. <i>Alzheimer's and Dementia</i> , 2022, 18, 422-433.	0.8	59
2	Thrombolysis by PLAT/tPA increases serum free IGF1 leading to a decrease of deleterious autophagy following brain ischemia. <i>Autophagy</i> , 2022, 18, 1297-1317.	9.1	14
3	Sex-specificities in anxiety and depressive symptoms across the lifespan and their links with multimodal neuroimaging. <i>Journal of Affective Disorders</i> , 2022, 296, 593-602.	4.1	5
4	Roles of the tissue-type plasminogen activator in immune response. <i>Cellular Immunology</i> , 2022, 371, 104451.	3.0	15
5	3D Transcranial Ultrasound Localization Microscopy in the Rat Brain With a Multiplexed Matrix Probe. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 2132-2142.	4.2	47
6	Bumetanide lowers acute hydrocephalus in a rat model of subarachnoid hemorrhage. <i>Acta Neurochirurgica</i> , 2022, 164, 499-505.	1.7	6
7	PKC δ -positive GABAergic neurons in the central amygdala exhibit tissue-type plasminogen activator: role in the control of anxiety. <i>Molecular Psychiatry</i> , 2022, 27, 2197-2205.	7.9	10
8	Men and women show partly distinct effects of physical activity on brain integrity. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2022, 14, e12302.	2.4	2
9	tPA-NMDAR Signaling Blockade Reduces the Incidence of Intracerebral Aneurysms. <i>Translational Stroke Research</i> , 2022, 13, 1005-1016.	4.2	5
10	Role of Cardiovascular Risk Factors on the Association Between Physical Activity and Brain Integrity Markers in Older Adults. <i>Neurology</i> , 2022, 98, .	1.1	10
11	PAI-1 production by reactive astrocytes drives tissue dysfibrinolysis in multiple sclerosis models. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	5.4	1
12	Tracking the immune response by MRI using biodegradable and ultrasensitive microprobes. <i>Science Advances</i> , 2022, 8, .	10.3	6
13	A non-human primate model of stroke reproducing endovascular thrombectomy and allowing long-term imaging and neurological read-outs. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 745-760.	4.3	16
14	Filling the gaps on stroke research: Focus on inflammation and immunity. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 649-667.	4.1	61
15	Subjective cognitive decline: opposite links to neurodegeneration across the Alzheimer's continuum. <i>Brain Communications</i> , 2021, 3, fcab199.	3.3	9
16	New Opportunities for Diagnosis and Prognosis of Stroke: The Benefits of Across Border Approaches. <i>Hamostaseologie</i> , 2021, 41, 022-024.	1.9	3
17	Neuroserpin Is Strongly Expressed in the Developing and Adult Mouse Neocortex but Its Absence Does Not Perturb Cortical Lamination and Synaptic Proteome. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 627896.	1.7	6
18	Tissue plasminogen activator worsens experimental autoimmune encephalomyelitis by complementary actions on lymphoid and myeloid cell responses. <i>Journal of Neuroinflammation</i> , 2021, 18, 52.	7.2	5

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19	Blood Biomarkers to Differentiate Ischemic and Hemorrhagic Strokes. <i>Neurology</i> , 2021, 96, e1928-e1939.	1.1	34
20	Rate of Rebleed and Retreatment of Previously Treated Intracranial Aneurysms. <i>World Neurosurgery</i> , 2021, 148, e650-e657.	1.3	4
21	PI3KC2Î² inactivation stabilizes VE-cadherin junctions and preserves vascular integrity. <i>EMBO Reports</i> , 2021, 22, e51299.	4.5	12
22	Single- and two- chain tissue type plasminogen activator treatments differentially influence cerebral recovery after stroke. <i>Experimental Neurology</i> , 2021, 338, 113606.	4.1	7
23	Association of quality of life with structural, functional and molecular brain imaging in community-dwelling older adults. <i>NeuroImage</i> , 2021, 231, 117819.	4.2	7
24	New Approaches in Nanomedicine for Ischemic Stroke. <i>Pharmaceutics</i> , 2021, 13, 757.	4.5	19
25	Thrombolytic strategies for ischemic stroke in the thrombectomy era. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 1618-1628.	3.8	25
26	Preventing the Long-term Effects of General Anesthesia on the Developing Brain: How Translational Research can Contribute. <i>Neuroscience</i> , 2021, 461, 172-179.	2.3	5
27	Factor XII protects neurons from apoptosis by epidermal and hepatocyte growth factor receptor-dependent mechanisms. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 2235-2247.	3.8	2
28	Combination treatment with U0126 and rt-PA prevents adverse effects of the delayed rt-PA treatment after acute ischemic stroke. <i>Scientific Reports</i> , 2021, 11, 11993.	3.3	4
29	HGF and MET: From Brain Development to Neurological Disorders. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 683609.	3.7	47
30	Role of inflammation in alcohol-related brain abnormalities: a translational study. <i>Brain Communications</i> , 2021, 3, fcab154.	3.3	9
31	Longitudinal Changes in Hippocampal Network Connectivity in Alzheimer's Disease. <i>Annals of Neurology</i> , 2021, 90, 391-406.	5.3	25
32	Retreatment of previously treated intracranial aneurysm: Procedural complications and risk factors for complications. <i>Neurochirurgie</i> , 2021, 68, 150-150.	1.2	3
33	Post-acute delivery of Î±5-GABAA antagonist, S 44819, improves functional recovery in juvenile rats following stroke. <i>Experimental Neurology</i> , 2021, 347, 113881.	4.1	1
34	Fucoidan-functionalized polysaccharide submicroparticles loaded with alteplase for efficient targeted thrombolytic therapy. <i>Biomaterials</i> , 2021, 277, 121102.	11.4	16
35	Making Visible the Invisible. <i>Neuroscience</i> , 2021, 474, 1-2.	2.3	0
36	Engineered extracellular vesicles as brain therapeutics. <i>Journal of Controlled Release</i> , 2021, 338, 472-485.	9.9	25

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37	New Mechanistic Insights, Novel Treatment Paradigms, and Clinical Progress in Cerebrovascular Diseases. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 623751.	3.4	17
38	Harmonisation and Between-Country Differences of the Lifetime of Experiences Questionnaire in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 740005.	3.4	4
39	Molecular Magnetic Resonance Imaging of Vascular Inflammation After Recanalization in a Rat Ischemic Stroke Model. <i>Stroke</i> , 2021, 52, e788-e791.	2.0	12
40	Megalencephalic leukoencephalopathy with subcortical cysts is a developmental disorder of the gliovascular unit. <i>ELife</i> , 2021, 10, .	6.0	19
41	Delayed Cerebral Ischemia After Subarachnoid Hemorrhage: Is There a Relevant Experimental Model? A Systematic Review of Preclinical Literature. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 752769.	2.4	14
42	Cranioplasty Reverses Dysfunction of the Solutes Distribution in the Brain Parenchyma After Decompressive Craniectomy. <i>Neurosurgery</i> , 2021, 89, S41-S41.	1.1	0
43	An updated model of hydrocephalus in sheep to evaluate the performance of a device for ambulatory wireless monitoring of cerebral pressure through shunts. <i>Neurochirurgie</i> , 2021, , .	1.2	0
44	Vingt mille lieues sous un crâne. , 2021, N° 135, 26-35.		0
45	À quoi servent les «ruminations» nocturnes de la mouche?. , 2021, N° 131, 12-14.		0
46	Vingt mille lieues sous un crâne. <i>Pour la science Fr</i> , 2021, N° 528 - octobre, 60-69.	0.0	0
47	Two-Chains Tissue Plasminogen Activator Unifies Met and NMDA Receptor Signalling to Control Neuronal Survival. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13483.	4.1	8
48	Men and women show partly distinct effects of physical activity on markers of brain integrity. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
49	The association between physical activity and brain integrity is partly mediated by cardiovascular mechanisms. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
50	Informant-reported subjective cognitive decline is specifically relevant in MCI patients: Association with cognition, amyloid deposition and neurodegeneration. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
51	Depressive symptoms in cognitively unimpaired older adults are associated with decreased structural and functional integrity in the limbic network. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
52	Subclinical but high level of glycemia and platelet activity are associated with decreased structural and functional integrity in Alzheimer's disease-sensitive brain regions. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
53	Immune Responses and Anti-inflammatory Strategies in a Clinically Relevant Model of Thromboembolic Ischemic Stroke with Reperfusion. <i>Translational Stroke Research</i> , 2020, 11, 481-495.	4.2	33
54	Glutamate controls vessel-associated migration of GABA interneurons from the pial migratory route via NMDA receptors and endothelial protease activation. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 1959-1986.	5.4	21

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55	Neonatal cerebral hypoxia-ischemia in mice triggers age-dependent vascular effects and disabilities in adults; implication of tissue plasminogen activator (tPA). <i>Experimental Neurology</i> , 2020, 323, 113087.	4.1	10
56	Circulating tPA contributes to neurovascular coupling by a mechanism involving the endothelial NMDA receptors. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2038-2054.	4.3	23
57	An overview of the perspectives on experimental models and new therapeutic targets in giant cell arteritis. <i>Autoimmunity Reviews</i> , 2020, 19, 102636.	5.8	4
58	White matter hyperintensities across the adult lifespan: relation to age, A β load, and cognition. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 127.	6.2	60
59	Early Ultrafast Ultrasound Imaging of Cerebral Perfusion correlates with Ischemic Stroke outcomes and responses to treatment in Mice. <i>Theranostics</i> , 2020, 10, 7480-7491.	10.0	33
60	EZH2 inhibition reduces cartilage loss and functional impairment related to osteoarthritis. <i>Scientific Reports</i> , 2020, 10, 19577.	3.3	15
61	Validation of a stroke model in rat compatible with rt-PA-induced thrombolysis: new hope for successful translation to the clinic. <i>Scientific Reports</i> , 2020, 10, 12191.	3.3	7
62	Environmental enrichment alleviates the deleterious effects of stress in experimental autoimmune encephalomyelitis. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2020, 6, 205521732095980.	1.0	3
63	Autoimmune encephalitis mediated by B-cell response against N-methyl-d-aspartate receptor. <i>Brain</i> , 2020, 143, 2957-2972.	7.6	39
64	Ultrasensitive molecular imaging of intestinal mucosal inflammation using leukocyte-mimicking particles targeted to MAdCAM-1 in mice. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	9
65	Distinct relationships of self-reported subjective memory decline to neurodegeneration across the Alzheimer's clinical continuum. <i>Alzheimer's and Dementia</i> , 2020, 16, e040780.	0.8	0
66	Changes in anterior temporal and posterior medial hippocampal network connectivity in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e042935.	0.8	0
67	Multimodal neuroimaging correlates of NREM and REM sleep: EEG spectral power in aging. <i>Alzheimer's and Dementia</i> , 2020, 16, e044716.	0.8	0
68	Between-country harmonization and differences of the Lifetime of Experiences Questionnaire (LEQ) for lifespan complex mental activity assessment. <i>Alzheimer's and Dementia</i> , 2020, 16, e045240.	0.8	1
69	White matter hyperintensities in Alzheimer's disease: Topography of lesions and association with cognition. <i>Alzheimer's and Dementia</i> , 2020, 16, e045371.	0.8	0
70	White matter hyperintensities across the adult life span: Links with age, amyloid load and cognition. <i>Alzheimer's and Dementia</i> , 2020, 16, e045449.	0.8	0
71	Fast Stent Retrieval Improves Recanalization Rates of Thrombectomy: Experimental Study on Different Thrombi. <i>American Journal of Neuroradiology</i> , 2020, 41, 1049-1053.	2.4	8
72	Association of Sleep-Disordered Breathing With Alzheimer Disease Biomarkers in Community-Dwelling Older Adults. <i>JAMA Neurology</i> , 2020, 77, 716.	9.0	71

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73	Cranioplasty Reverses Dysfunction of the Solutes Distribution in the Brain Parenchyma After Decompressive Craniectomy. <i>Neurosurgery</i> , 2020, 87, 1064-1069.	1.1	17
74	Nonionotropic Action of Endothelial NMDA Receptors on Blood-Brain Barrier Permeability via Rho/ROCK-Mediated Phosphorylation of Myosin. <i>Journal of Neuroscience</i> , 2020, 40, 1778-1787.	3.6	36
75	Alcohol exposure-induced neurovascular inflammatory priming impacts ischemic stroke and is linked with brain perivascular macrophages. <i>JCI Insight</i> , 2020, 5, .	5.0	19
76	Tissue-Type Plasminogen Activator Controlled Corticogenesis Through a Mechanism Dependent of NMDA Receptors Expressed on Radial Glial Cells. <i>Cerebral Cortex</i> , 2019, 29, 2482-2498.	2.9	19
77	Longitudinal Molecular Magnetic Resonance Imaging of Endothelial Activation after Severe Traumatic Brain Injury. <i>Journal of Clinical Medicine</i> , 2019, 8, 1134.	2.4	5
78	In vivo ultrasound-activated delivery of recombinant tissue plasminogen activator from the cavity of sub-micrometric capsules. <i>Journal of Controlled Release</i> , 2019, 308, 162-171.	9.9	21
79	Proteostasis During Cerebral Ischemia. <i>Frontiers in Neuroscience</i> , 2019, 13, 637.	2.8	30
80	Cross-sectional and longitudinal characterization of SCD patients recruited from the community versus from a memory clinic: subjective cognitive decline, psychoaffective factors, cognitive performances, and atrophy progression over time. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 61.	6.2	30
81	Plasminogen Activator Inhibitor-1 (PAI-1) deficiency predisposes to depression and resistance to treatments. <i>Acta Neuropathologica Communications</i> , 2019, 7, 153.	5.2	9
82	Post-synaptic Release of the Neuronal Tissue-Type Plasminogen Activator (tPA). <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 164.	3.7	12
83	HLA-Class II Artificial Antigen Presenting Cells in CD4+ T Cell-Based Immunotherapy. <i>Frontiers in Immunology</i> , 2019, 10, 1081.	4.8	56
84	ICâ€Pâ€114: OBSTRUCTIVE SLEEP APNEA SEVERITY AND BRAIN INTEGRITY IN AGEING: A MULTIMODAL NEUROIMAGING STUDY. <i>Alzheimer's and Dementia</i> , 2019, 15, P97.	0.8	0
85	ICâ€Pâ€125: IMPACT OF THE RECRUITMENT SETTING ON THE CHARACTERISTICS OF PATIENTS WITH SUBJECTIVE COGNITIVE DECLINE. <i>Alzheimer's and Dementia</i> , 2019, 15, P103.	0.8	0
86	ICâ€Pâ€082: ASSOCIATION OF PERCEIVED MEMORY DECLINE WITH MULTIMODAL NEUROIMAGING AT DIFFERENT STAGES OF ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2019, 15, P73.	0.8	0
87	Reduced spinal cord parenchymal cerebrospinal fluid circulation in experimental autoimmune encephalomyelitis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1258-1265.	4.3	23
88	Brain-released alarmins and stress response synergize in accelerating atherosclerosis progression after stroke. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	54
89	The Age-Well randomized controlled trial of the Meditâ€Ageing European project: Effect of meditation or foreign language training on brain and mental health in older adults. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2018, 4, 714-723.	3.7	53
90	Anti-inflammatory treatments for stroke: from bench to bedside. <i>Therapeutic Advances in Neurological Disorders</i> , 2018, 11, 175628641878985.	3.5	74

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91	Molecular Magnetic Resonance Imaging of Endothelial Activation in the Central Nervous System. <i>Theranostics</i> , 2018, 8, 1195-1212.	10.0	55
92	Potent Thrombolytic Effect of N-Acetylcysteine on Arterial Thrombi. <i>Circulation</i> , 2017, 136, 646-660.	1.6	112
93	Subarachnoid Hemorrhage Severely Impairs Brain Parenchymal Cerebrospinal Fluid Circulation in Nonhuman Primate. <i>Stroke</i> , 2017, 48, 2301-2305.	2.0	110
94	Prediction of disease activity in models of multiple sclerosis by molecular magnetic resonance imaging of P-selectin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6116-6121.	7.1	43
95	Vascular Tissue-Type Plasminogen Activator Promotes Intracranial Aneurysm Formation. <i>Stroke</i> , 2017, 48, 2574-2582.	2.0	14
96	Molecular magnetic resonance imaging discloses endothelial activation after transient ischaemic attack. <i>Brain</i> , 2017, 140, 146-157.	7.6	40
97	Hyperfibrinolysis increases blood-brain barrier permeability by a plasmin- and bradykinin-dependent mechanism. <i>Blood</i> , 2016, 128, 2423-2434.	1.4	104
98	Efficacy of Alteplase in a Mouse Model of Acute Ischemic Stroke. <i>Stroke</i> , 2016, 47, 1312-1318.	2.0	36
99	Distant Space Processing is Controlled by tPA-dependent NMDA Receptor Signaling in the Entorhinal Cortex. <i>Cerebral Cortex</i> , 2016, 27, 4783-4796.	2.9	12
100	Neuroendothelial NMDA receptors as therapeutic targets in experimental autoimmune encephalomyelitis. <i>Brain</i> , 2016, 139, 2406-2419.	7.6	40
101	Tissue-type plasminogen activator controls neuronal death by raising surface dynamics of extrasynaptic NMDA receptors. <i>Cell Death and Disease</i> , 2016, 7, e2466-e2466.	6.3	42
102	Tissue Plasminogen Activator Expression Is Restricted to Subsets of Excitatory Pyramidal Glutamatergic Neurons. <i>Molecular Neurobiology</i> , 2016, 53, 5000-5012.	4.0	36
103	The plasminogen activation system in neuroinflammation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 395-402.	3.8	52
104	Unmasking Silent Endothelial Activation in the Cardiovascular System Using Molecular Magnetic Resonance Imaging. <i>Theranostics</i> , 2015, 5, 1187-1202.	10.0	26
105	Impact of Alcohol Consumption on the Outcome of Ischemic Stroke and Thrombolysis. <i>Stroke</i> , 2015, 46, 1641-1650.	2.0	11
106	Lack of secondary microthrombosis after thrombin-induced stroke in mice and non-human primates. <i>Journal of Thrombosis and Haemostasis</i> , 2014, 12, 409-414.	3.8	27
107	Impaired Glymphatic Perfusion After Strokes Revealed by Contrast-Enhanced MRI. <i>Stroke</i> , 2014, 45, 3092-3096.	2.0	305
108	Molecular magnetic resonance imaging of brain-immune interactions. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 389.	3.7	65

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109	Ultra-Sensitive Molecular MRI of Vascular Cell Adhesion Molecule-1 Reveals a Dynamic Inflammatory Penumbra After Strokes. <i>Stroke</i> , 2013, 44, 1988-1996.	2.0	92
110	Molecular requirements for safer generation of thrombolytics by bioengineering the tissue-type plasminogen activator AÅchain. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 539-546.	3.8	22
111	Unveiling an exceptional zymogen: the single-chain form of tPA is a selective activator of NMDA receptor-dependent signaling and neurotoxicity. <i>Cell Death and Differentiation</i> , 2012, 19, 1983-1991.	11.2	60
112	GluN2D Subunit-Containing NMDA Receptors Control Tissue Plasminogen Activator-Mediated Spatial Memory. <i>Journal of Neuroscience</i> , 2012, 32, 12726-12734.	3.6	26
113	Glutamate Controls tPA Recycling by Astrocytes, Which in Turn Influences Glutamatergic Signals. <i>Journal of Neuroscience</i> , 2012, 32, 5186-5199.	3.6	67
114	Ultra-sensitive molecular MRI of cerebrovascular cell activation enables early detection of chronic central nervous system disorders. <i>NeuroImage</i> , 2012, 63, 760-770.	4.2	64
115	Enriched housing reverses age-associated impairment of cognitive functions and tPA-dependent maturation of BDNF. <i>Neurobiology of Learning and Memory</i> , 2011, 96, 121-129.	1.9	46
116	Antibodies Preventing the Interaction of Tissue-Type Plasminogen Activator With N-Methyl- <sc>d</sc>-Aspartate Receptors Reduce Stroke Damages and Extend the Therapeutic Window of Thrombolysis. <i>Stroke</i> , 2011, 42, 2315-2322.	2.0	63
117	Pharmacological Activation/Inhibition of the Cannabinoid System Affects Alcohol Withdrawal-Induced Neuronal Hypersensitivity to Excitotoxic Insults. <i>PLoS ONE</i> , 2011, 6, e23690.	2.5	23
118	The NR1 subunit of NMDA receptor regulates monocyte transmigration through the brain endothelial cell barrier. <i>Journal of Neurochemistry</i> , 2010, 113, 447-453.	3.9	79
119	Toward Safer Thrombolytic Agents in Stroke: Molecular Requirements for NMDA Receptor-Mediated Neurotoxicity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1212-1221.	4.3	74
120	Tissue-Type Plasminogen Activator Is a Regulator of Monocyte Diapedesis through the Brain Endothelial Barrier. <i>Journal of Immunology</i> , 2008, 181, 3567-3574.	0.8	65
121	Mouse Model of In Situ Thromboembolic Stroke and Reperfusion. <i>Stroke</i> , 2007, 38, 2771-2778.	2.0	176
122	Anti-NR1 N-terminal-domain vaccination unmasks the crucial action of tPA on NMDA-receptor-mediated toxicity and spatial memory. <i>Journal of Cell Science</i> , 2007, 120, 578-585.	2.0	66
123	The proteolytic activity of tissue-plasminogen activator enhances NMDA receptor-mediated signaling. <i>Nature Medicine</i> , 2001, 7, 59-64.	30.7	678
124	In Mice and Humans, Brain Vascular Barrier Homeostasis and Contractility Are Acquired Postnatally. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0