# Stella E Tsirka

List of Publications by Year
in descending order

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| 125 | 10,047 | 38742 | 36028 |
|---|---|---|---|
| papers | citations | 50 h-index | 97 g-index |

| 128 | 128 | 128 | 12823 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Preclinical model of multiple sclerosis: Methods in autoimmune demyelination. Methods in Cell Biology, 2022, 168, 67-86. | 1.1 | 1 |
| 2 | Preclinical model of multiple sclerosis: Focal, chemical or viral demyelination. Methods in Cell Biology, 2022, 168, 87-102. | 1.1 | 0 |
| 3 | Chronic stress disrupts the homeostasis and progeny progression of oligodendroglial lineage cells, associating immune oligodendrocytes with prefrontal cortex hypomyelination. Molecular Psychiatry, 2022, 27, 2833-2848. | 7.9 | 22 |
| 4 | Shaping functionality in the brain. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2203234119. | 7.1 | 0 |
| 5 | ADAM10 facilitates rapid neural stem cell cycling and proper positioning within the subventricular zone niche via JAMC/RAP1Gap signaling. Neural Regeneration Research, 2022, 17, 2472. | 3.0 | 4 |
| 6 | Lucanthone Targets Lysosomes to Perturb Glioma Proliferation, Chemoresistance and Stemness, and Slows Tumor Growth In Vivo. Frontiers in Oncology, 2022, 12, 852940. | 2.8 | 6 |
| 7 | Beyond Myelination: Possible Roles of the Immune Proteasome in Oligodendroglial Homeostasis and Dysfunction. Frontiers in Neuroscience, 2022, 16, . | 2.8 | 4 |
| 8 | Studies on the function of myeloidâ€derived Neuropilinâ€1 in glioma: a focus on tumor hypoxia. FASEB Journal, 2022, 36, . | 0.5 | 0 |
| 9 | Immune Phenotypes of Oligodendroglialâ€Lineage Cells in MDD and in Response to Chronic Stressâ€Induced Microglial Inflammation. FASEB Journal, 2022, 36, . | 0.5 | 0 |
| 10 | Prophylactic Administration of Cannabidiol Reduces Microglial Inflammatory Response to Kainate-Induced Seizures and Neurogenesis. Neuroscience, 2022, 500, 1-11. | 2.3 | 7 |
| 11 | Neuroinflammatory changes of the normal brain tissue in cured mice following combined radiation and anti-PD-1 blockade therapy for glioma. Scientific Reports, 2021, 11, 5057. | 3.3 | 4 |
| 12 | A distinct microglial subset at the <scp>tumorâ€“stroma</scp> interface of glioma. Glia, 2021, 69, 1767-1781. | 4.9 | 18 |
| 13 | Microglia modulate stable wakefulness via the thalamic reticular nucleus in mice. Nature Communications, 2021, 12, 4646. | 12.8 | 47 |
| 14 | Extracellular histones, a new class of inhibitory molecules of CNS axonal regeneration. Brain Communications, 2021, 3, fcab271. | 3.3 | 8 |
| 15 | Immunosuppression in Multiple Sclerosis and Other Neurologic Disorders. Handbook of Experimental Pharmacology, 2021, , 245-265. | 1.8 | 1 |
| 16 | Neuroimmune Mechanisms and Sex/Gender-Dependent Effects in the Pathophysiology of Mental Disorders. Journal of Pharmacology and Experimental Therapeutics, 2020, 375, 175-192. | 2.5 | 15 |
| 17 | Guanabenz modulates microglia and macrophages during demyelination. Scientific Reports, 2020, 10, 19333. | 3.3 | 14 |
| 18 | Interactions between Tumor Cells, Neurons, and Microglia in the Glioma Microenvironment. International Journal of Molecular Sciences, 2020, 21, 8476. | 4.1 | 52 |

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|---|---|---|---|
| 19 | Sexual Dimorphism of Neuroimmune Cells and Its Impact on the Central Nervous System: a Special Issue. Journal of Pharmacology and Experimental Therapeutics, 2020, 375, 152-153. | 2.5 | 0 |
| 20 | Repolarized macrophages, induced by intermediate stereotactic dose radiotherapy and immune checkpointÂblockade, contribute to long-term survival in glioma-bearing mice. Journal of Neuro-Oncology, 2020, 147, 547-555. | 2.9 | 23 |
| 21 | Microglial contributions to aberrant neurogenesis and pathophysiology of epilepsy. Neuroimmunology and Neuroinflammation, 2020, 2020, 234-247. | 1.4 | 9 |
| 22 | A Rigorous Quantitative Approach to Analyzing Phagocytosis Assays. Bio-protocol, 2020, 10, . | 0.4 | 4 |
| 23 | Cardiopulmonary Inflammatory Response to Meteorite Dust Exposure â€“ Implications for Human Health on Earth and Beyond. , 2020, , . | | 0 |
| 24 | Increased Behavioral Deficits and Inflammation in a Mouse Model of Co-Morbid Traumatic Brain Injury and Post-Traumatic Stress Disorder. ASN Neuro, 2020, 12, 175909142097956. | 2.7 | 6 |
| 25 | Depression Mediated By Inflammatory Responses To Chronic Stress. FASEB Journal, 2020, 34, 1-1. | 0.5 | 1 |
| 26 | Pifithrinâ€Ì¼ modulates microglial activation and promotes histological recovery following spinal cord injury. CNS Neuroscience and Therapeutics, 2019, 25, 200-214. | 3.9 | 8 |
| 27 | Lunar soil simulants alter macrophage survival and function. Journal of Applied Toxicology, 2019, 39, 1413-1423. | 2.8 | 4 |
| 28 | Proliferation and Differentiation in the Adult Subventricular Zone Are Not Affected by CSF1R Inhibition. Frontiers in Cellular Neuroscience, 2019, 13, 97. | 3.7 | 60 |
| 29 | BSSE: An open-source image processing tool for miniaturized microscopy. Optics Express, 2019, 27, 17620. | 3.4 | 4 |
| 30 | Small Molecule Neuropilin-1 Antagonists Combine Antiangiogenic and Antitumor Activity with Immune Modulation through Reduction of Transforming Growth Factor Beta (TGFÎ²) Production in Regulatory T-Cells. Journal of Medicinal Chemistry, 2018, 61, 4135-4154. | 6.4 | 65 |
| 31 | Fatty-acidâ€“binding protein 5 controls retrograde endocannabinoid signaling at central glutamate synapses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3482-3487. | 7.1 | 59 |
| 32 | Deletion of Neuropilin 1 from Microglia or Bone Marrowâ€“Derived Macrophages Slows Glioma Progression. Cancer Research, 2018, 78, 685-694. | 0.9 | 48 |
| 33 | Advances in immunotherapeutic research for glioma therapy. Journal of Neurology, 2018, 265, 741-756. | 3.6 | 77 |
| 34 | Tuftsin Combines With Remyelinating Therapy and Improves Outcomes in Models of CNS Demyelinating Disease. Frontiers in Immunology, 2018, 9, 2784. | 4.8 | 19 |
| 35 | Csf1R inhibition attenuates experimental autoimmune encephalomyelitis and promotes recovery. Experimental Neurology, 2018, 307, 24-36. | 4.1 | 115 |
| 36 | Visualizing the Brainâ€™s Astrocytes with Diverse Chemical Scaffolds. ACS Chemical Biology, 2018, 13, 1493-1498. | 3.4 | 13 |

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|---|---|---|---|
| 37 | Mitigation of radiation myelopathy and reduction of microglial infiltration by Ramipril, ACE inhibitor. Spinal Cord, 2018, 56, 733-740. | 1.9 | 9 |
| 38 | Expression of neuropilin-1 is linked to glioma associated microglia and macrophages and correlates with unfavorable prognosis in high grade gliomas. Oncotarget, 2018, 9, 35655-35665. | 1.8 | 30 |
| 39 | Contributions of immune cell populations in the maintenance, progression, and therapeutic modalities of glioma. AIMS Allergy and Immunology, 2018, 2, 24-44. | 0.5 | 2 |
| 40 | The role of Iraqi dust in inducing lung injury in United States soldiersâ€"An interdisciplinary study. GeoHealth, 2017, 1, 237-246. | 4.0 | 12 |
| 41 | The Diverse Roles of Microglia in the Neurodegenerative Aspects of Central Nervous System (CNS) Autoimmunity. International Journal of Molecular Sciences, 2017, 18, 504. | 4.1 | 65 |
| 42 | Neurogenic to Gliogenic Fate Transition Perturbed by Loss of HMGB2. Frontiers in Molecular Neuroscience, 2017, 10, 153. | 2.9 | 19 |
| 43 | Absence of cytotoxicity towards microglia of iron oxide (Î±-Fe2O3) nanorhombohedra. Toxicology Research, 2016, 5, 836-847. | 2.1 | 7 |
| 44 | Tuftsinâ€driven experimental autoimmune encephalomyelitis recovery requires neuropilinâ€1. Glia, 2016, 64, 923-936. | 4.9 | 30 |
| 45 | Dynamic microglial modulation of spatial learning and social behavior. Brain, Behavior, and Immunity, 2016, 55, 6-16. | 4.1 | 106 |
| 46 | Ablation of Neuropilin 1 from glioma-associated microglia and macrophages slows tumor progression. Oncotarget, 2016, 7, 9801-9814. | 1.8 | 53 |
| 47 | Defining differential roles for microglia and infiltrating macrophages in the growth and neovascularization of glioma. Translational Cancer Research, 2016, 5, S648-S651. | 1.0 | 2 |
| 48 | Fatty Acid-binding Proteins (FABPs) Are Intracellular Carriers for Î”9-Tetrahydrocannabinol (THC) and Cannabidiol (CBD). Journal of Biological Chemistry, 2015, 290, 8711-8721. | 3.4 | 228 |
| 49 | Nicotine modulates neurogenesis in the central canal during experimental autoimmune encephalomyelitis. Neuroscience, 2015, 297, 11-21. | 2.3 | 15 |
| 50 | Unmasking Proteolytic Activity for Adult Visual Cortex Plasticity by the Removal of Lynx1. Journal of Neuroscience, 2015, 35, 12693-12702. | 3.6 | 29 |
| 51 | Metal-sulfide mineral ores, Fenton chemistry and disease â€“ Particle induced inflammatory stress response in lung cells. International Journal of Hygiene and Environmental Health, 2015, 218, 19-27. | 4.3 | 17 |
| 52 | The Experimental Autoimmune Encephalomyelitis Disease Course Is Modulated by Nicotine and Other Cigarette Smoke Components. PLoS ONE, 2014, 9, e107979. | 2.5 | 54 |
| 53 | Monocyte chemoattractant protein-1 and the bloodâ€“brain barrier. Cellular and Molecular Life Sciences, 2014, 71, 683-697. | 5.4 | 143 |
| 54 | Cell-Culture Models of the Bloodâ€“Brain Barrier. Stroke, 2014, 45, 2514-2526. | 2.0 | 129 |

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|---|---|---|---|
| 55 | Mouse monocyte chemoattractant protein 1 (MCP1) functions as a monomer. International Journal of Biochemistry and Cell Biology, 2014, 55, 51-59. | 2.8 | 5 |
| 56 | Improving repair and regeneration after spinal cord injury through combinatorial therapy (LB558). FASEB Journal, 2014, 28, LB558. | 0.5 | 0 |
| 57 | Members of the high mobility group B protein family are dynamically expressed in embryonic neural stem cells. Proteome Science, 2013, 11, 18. | 1.7 | 33 |
| 58 | Inflammatory stress response in A549 cells as a result of exposure to coal: Evidence for the role of pyrite in coal workersâ€™ pneumoconiosis pathogenesis. Chemosphere, 2013, 93, 1216-1221. | 8.2 | 20 |
| 59 | Tuftsin signals through its receptor neuropilinâ€1 via the transforming growth factor beta pathway. Journal of Neurochemistry, 2013, 127, 394-402. | 3.9 | 44 |
| 60 | Neurotrophin-3 modulates breast cancer cells and the microenvironment to promote the growth of breast cancer brain metastasis. Oncogene, 2013, 32, 4064-4077. | 5.9 | 95 |
| 61 | Culturing Microglia from the Neonatal and Adult Central Nervous System. Journal of Visualized Experiments, 2013, , 50647. | 0.3 | 30 |
| 62 | Microglia: An Active Player in the Regulation of Synaptic Activity. Neural Plasticity, 2013, 2013, 1-9. | 2.2 | 46 |
| 63 | Microglia Actively Regulate the Number of Functional Synapses. PLoS ONE, 2013, 8, e56293. | 2.5 | 202 |
| 64 | Aberrant Neural Stem Cell Proliferation and Increased Adult Neurogenesis in Mice Lacking Chromatin Protein HMGB2. PLoS ONE, 2013, 8, e84838. | 2.5 | 60 |
| 65 | The Annexin A2/S100A10 System in Health and Disease: Emerging Paradigms. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-13. | 3.0 | 85 |
| 66 | p53 Opens the Mitochondrial Permeability Transition Pore to Trigger Necrosis. Cell, 2012, 149, 1536-1548. | 28.9 | 644 |
| 67 | Quantification of particle-induced inflammatory stress response: a novel approach for toxicity testing of earth materials. Geochemical Transactions, 2012, 13, 4. | 0.7 | 11 |
| 68 | Inflammation modulates expression of laminin in the central nervous system following ischemic injury. Journal of Neuroinflammation, 2012, 9, 159. | 7.2 | 54 |
| 69 | Tuftsin Promotes an Anti-Inflammatory Switch and Attenuates Symptoms in Experimental Autoimmune Encephalomyelitis. PLoS ONE, 2012, 7, e34933. | 2.5 | 38 |
| 70 | The CCL2â€CCR2 system affects the progression and clearance of intracerebral hemorrhage. Glia, 2012, 60, 908-918. | 4.9 | 64 |
| 71 | Chemokines and Their Receptors in Intracerebral Hemorrhage. Translational Stroke Research, 2012, 3, 70-79. | 4.2 | 22 |
| 72 | Microglial inhibitory factor (MIF/TKP) mitigates secondary damage following spinal cord injury. Neurobiology of Disease, 2012, 47, 295-309. | 4.4 | 35 |

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|---|---|---|---|
| 73 | Animal Models of MS Reveal Multiple Roles of Microglia in Disease Pathogenesis. Neurology Research International, 2011, 2011, 1-9. | 1.3 | 91 |
| 74 | Mouse MCP1 Câ€terminus inhibits human MCP1â€induced chemotaxis and BBB compromise. Journal of Neurochemistry, 2011, 118, 215-223. | 3.9 | 9 |
| 75 | Microglia/macrophages promote glioma progression. Glia, 2011, 59, 472-485. | 4.9 | 188 |
| 76 | Truncation of monocyte chemoattractant protein 1 by plasmin promotes bloodâ€“brain barrier disruption. Journal of Cell Science, 2011, 124, 1486-1495. | 2.0 | 72 |
| 77 | Axonal Regrowth after Spinal Cord Injury via Chondroitinase and the Tissue Plasminogen Activator (tPA)/Plasmin System. Journal of Neuroscience, 2011, 31, 14931-14943. | 3.6 | 60 |
| 78 | Neuroimaging in Animal Seizure Models with 18FDG-PET. Epilepsy Research & Treatment, 2011, 2011, 1-8. | 1.4 | 8 |
| 79 | Annexin A2 Promotes Glioma Cell Invasion and Tumor Progression. Journal of Neuroscience, 2011, 31, 14346-14360. | 3.6 | 99 |
| 80 | Microglial ablation and lipopolysaccharide preconditioning affects pilocarpine-induced seizures in mice. Neurobiology of Disease, 2010, 39, 85-97. | 4.4 | 79 |
| 81 | Decreased serotonin levels associated with behavioral disinhibition in tissue plasminogen activator deficient (tPAâ^'/â^') mice. Brain Research, 2010, 1326, 135-142. | 2.2 | 18 |
| 82 | p73 is an essential regulator of neural stem cell maintenance in embryonal and adult CNS neurogenesis. Cell Death and Differentiation, 2010, 17, 1816-1829. | 11.2 | 102 |
| 83 | Tissue Plasminogen Activator Alters Intracellular Sequestration of Zinc through Interaction with the Transporter ZIP4. Journal of Neuroscience, 2010, 30, 6538-6547. | 3.6 | 27 |
| 84 | The C Terminus of Mouse Monocyte Chemoattractant Protein 1 (MCP1) Mediates MCP1 Dimerization while Blocking Its Chemotactic Potency. Journal of Biological Chemistry, 2010, 285, 31509-31516. | 3.4 | 28 |
| 85 | Microglia Shape Adult Hippocampal Neurogenesis through Apoptosis-Coupled Phagocytosis. Cell Stem Cell, 2010, 7, 483-495. | 11.1 | 1,286 |
| 86 | Endothelial NOSâ€deficient mice reveal dual roles for nitric oxide during experimental autoimmune encephalomyelitis. Glia, 2009, 57, 1204-1215. | 4.9 | 41 |
| 87 | tPAâ€mediated generation of plasmin is catalyzed by the proteoglycan NG2. Glia, 2008, 56, 177-189. | 4.9 | 18 |
| 88 | Tissue-type plasminogen activator as a therapeutic target in stroke. Expert Opinion on Therapeutic Targets, 2008, 12, 159-170. | 3.4 | 110 |
| 89 | Proteolytic Activation of Monocyte Chemoattractant Protein-1 by Plasmin Underlies Excitotoxic Neurodegeneration in Mice. Journal of Neuroscience, 2007, 27, 1738-1745. | 3.6 | 78 |
| 90 | Brain edema after intracerebral hemorrhage: mechanisms, treatment options, management strategies, and operative indications. Neurosurgical Focus, 2007, 22, 1-7. | 2.3 | 92 |

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|---|---|---|---|
| 91 | Nitric Oxide Synthase Isoforms Undertake Unique Roles During Excitotoxicity. Stroke, 2007, 38, 1938-1945. | 2.0 | 32 |
| 92 | A novel approach for imaging brainâ€“behavior relationships in mice reveals unexpected metabolic patterns during seizures in the absence of tissue plasminogen activator. NeuroImage, 2007, 38, 34-42. | 4.2 | 109 |
| 93 | Modulation of microglial/macrophage activation by macrophage inhibitory factor (TKP) or tuftsin (TKPR) attenuates the disease course of experimental autoimmune encephalomyelitis. BMC Immunology, 2007, 8, 10. | 2.2 | 85 |
| 94 | PET imaging of glucose metabolism in a mouse model of temporal lobe epilepsy. Synapse, 2006, 59, 119-121. | 1.2 | 55 |
| 95 | Nitric oxide mediates neurodegeneration and breakdown of the blood-brain barrier in tPA-dependent excitotoxic injury in mice. Journal of Cell Science, 2006, 119, 339-349. | 2.0 | 104 |
| 96 | Contribution of Extracellular Proteolysis and Microglia to Intracerebral Hemorrhage. Neurocritical Care, 2005, 3, 077-085. | 2.4 | 104 |
| 97 | Tissue plasminogen activator in brain tissues infected with transmissible spongiform encephalopathies. Neurobiology of Disease, 2005, 20, 519-527. | 4.4 | 12 |
| 98 | Tissue plasminogen activator and glial function. Glia, 2005, 49, 177-183. | 4.9 | 52 |
| 99 | Fibrin-modifying serine proteases thrombin, tPA, and plasmin in ischemic stroke: A review. Glia, 2005, 50, 340-350. | 4.9 | 81 |
| 100 | Phospholipase D1-Promoted Release of Tissue Plasminogen Activator Facilitates Neurite Outgrowth. Journal of Neuroscience, 2005, 25, 1797-1805. | 3.6 | 44 |
| 101 | Tuftsin Fragment 1â€“3 Is Beneficial When Delivered After the Induction of Intracerebral Hemorrhage. Stroke, 2005, 36, 613-618. | 2.0 | 137 |
| 102 | Neuroprotection by inhibition of matrix metalloproteinases in a mouse model of intracerebral haemorrhage. Brain, 2005, 128, 1622-1633. | 7.6 | 295 |
| 103 | tPA as an effector of microglial activation. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S686-S686. | 4.3 | 0 |
| 104 | Increased expression of two phospholipase D isoforms during experimentally induced hippocampal mossy fiber outgrowth. Glia, 2004, 46, 74-83. | 4.9 | 37 |
| 105 | Modulation of zinc toxicity by tissue plasminogen activator. Molecular and Cellular Neurosciences, 2004, 25, 162-171. | 2.2 | 24 |
| 106 | Protective role of tuftsin fragment 1-3 in an animal model of intracerebral hemorrhage. Annals of Neurology, 2003, 54, 655-664. | 5.3 | 168 |
| 107 | Laminin chain expression suggests that laminin-10 is a major isoform in the mouse hippocampus and is degraded by the tissue plasminogen activator/plasmin protease cascade during excitotoxic injury. Neuroscience, 2003, 116, 359-371. | 2.3 | 84 |
| 108 | Cell Type-Specific Roles for Tissue Plasminogen Activator Released by Neurons or Microglia after Excitotoxic Injury. Journal of Neuroscience, 2003, 23, 3234-3242. | 3.6 | 120 |

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|---|---|---|---|
| 109 | Tissue plasminogen activator as a modulator of neuronal survival and function. Biochemical Society Transactions, 2002, 30, 222-225. | 3.4 | 63 |
| 110 | Involvement of Tissue Plasminogen Activator in Onset and Effector Phases of Experimental Allergic Encephalomyelitis. Journal of Neuroscience, 2002, 22, 10781-10789. | 3.6 | 73 |
| 111 | Tissue Plasminogen Activator Mediates Microglial Activation via Its Finger Domain through Annexin II. Journal of Neuroscience, 2002, 22, 3352-3358. | 3.6 | 192 |
| 112 | Microglial activation and recruitment, but not proliferation, suffice to mediate neurodegeneration. Cell Death and Differentiation, 2002, 9, 801-806. | 11.2 | 61 |
| 113 | Partial rescue of neural apoptosis in the Lurcher mutant mouse through elimination of tissue plasminogen activator. Development (Cambridge), 2002, 129, 2043-50. | 2.5 | 13 |
| 114 | Reduced cortical injury and edema in tissue plasminogen activator knockout mice after brain trauma. NeuroReport, 2001, 12, 4117-4120. | 1.2 | 47 |
| 115 | The Tissue Plasminogen Activator (Tpa/Plasmin) Extracellular Proteolytic System Regulates Seizure-Induced Hippocampal Mossy Fiber Outgrowth through a Proteoglycan Substrate. Journal of Cell Biology, 2000, 148, 1295-1304. | 5.2 | 182 |
| 116 | Tissue plasminogen activator (tPA) increase neuronal damage after focal cerebral ischemia in wild-type and tPA-deficient mice. Nature Medicine, 1998, 4, 228-231. | 30.7 | 623 |
| 117 | Neurotoxic responses by microglia elicited by excitotoxic injury in the mouse hippocampus. Current Biology, 1998, 8, 19-25. | 3.9 | 293 |
| 118 | An Extracellular Proteolytic Cascade Promotes Neuronal Degeneration in the Mouse Hippocampus. Journal of Neuroscience, 1997, 17, 543-552. | 3.6 | 410 |
| 119 | Removal of tissue plasminogen activator does not protect against neuronal degeneration in the cerebellum of the weaver mouse. Brain Research, 1997, 772, 233-238. | 2.2 | 7 |
| 120 | Clinical implications of the involvement of tPA in neuronal cell death. Journal of Molecular Medicine, 1997, 75, 341-347. | 3.9 | 67 |
| 121 | Isolation and Characterization of Two Novel, Cytoplasmically Polyadenylated, Oocyte-Specific, Mouse Maternal RNAs. Developmental Biology, 1996, 175, 132-141. | 2.0 | 35 |
| 122 | Neuronal cell death and tPA. Nature, 1996, 384, 123-124. | 27.8 | 223 |
| 123 | Excitotoxin-induced neuronal degeneration and seizure are mediated by tissue plasminogen activator. Nature, 1995, 377, 340-344. | 27.8 | 651 |
| 124 | Recovery from ICH â€“ Potential Targets. , 0, , . | | 0 |
| 125 | Breast-to-brain metastasis: a focus on the pre-metastatic niche. , 0, , . | | 1 |