RESEARCH & PUBLICATIONS

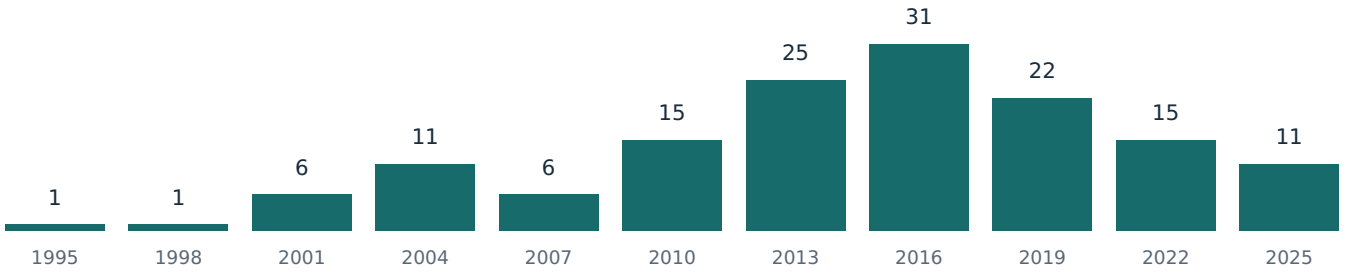
S Thomas Carmichael

A publication record at a glance

145	16,364	68
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 3-year periods



1 articles have no publication year in the database.

MOST CITED IN THIS LIST

Agreed Definitions and a Shared Vision for New Standards in Stroke Recovery Research: The Stroke Recovery and Rehabilitation Roundtable Taskforce — 1,075

2017 International Journal of Stroke

A Neurovascular Niche for Neurogenesis After Stroke — 833

2006 Journal of Neuroscience

Reducing Excessive GABA-Mediated Tonic Inhibition Promotes Functional Recovery After Stroke — 808

2010 Nature

This publication list was generated automatically from the exaly database without manual editing. It reflects the database records available when the document was created.

For the latest record and an updated publication list, visit the author profile:

https://exaly.com/author/2955001

Document version: 2026-11-16 (UTC) | Database snapshot: 2026-11-15

Ordered by publication year, newest first

2026

01 **Protocol for Mouse Vascular Dementia Model and Evaluation of Progressive Tissue Damage in Subcortical White Matter and Adjacent Cortex.**
STAR Protocols · 7, 104396
https://exaly.com/article/211031345
0 citations

02 **A Role for Nucleolin in Functional Improvement in Stroke.**
IScience · 29, 116134
https://exaly.com/article/214411515
0 citations

03 **Five Issues of Artificial Intelligence in Science: Sailing the Ship of Theseus**
Annals of Neurology · 100, 453-457
https://exaly.com/article/215673770
0 citations

04 **IL-4/C1q Activated Astrocyte-Derived Extracellular Vesicles Promote Stroke Infarct Recovery by Recruiting Peripheral Leukocytes**
Cell Biomaterials
https://exaly.com/article/216296747
0 citations

05 **Administrative Bloat in Neurology and Academic Medicine.**
JAMA Neurology
https://exaly.com/article/218255675
0 citations

2025

06 **Theta Frequency Electromagnetic Stimulation Enhances Functional Recovery After Stroke**
Translational Stroke Research · 16, 1-13
https://exaly.com/article/171831252
9 citations

07 **Parvalbumin Interneurons Regulate Rehabilitation-Induced Functional Recovery After Stroke and Identify a Rehabilitation Drug**
Nature Communications · 16, 2556
https://exaly.com/article/198853003
31 citations

08 **Changing Genes, Cells and Networks to Reprogram the Brain After Stroke**
Nature Neuroscience · 28, 1130-1145
https://exaly.com/article/201534642
23 citations

09 **Prdm16 Regulates the Postnatal Fate of Embryonic Radial Glia via Vcam1-Dependent Mechanisms**
Nature Communications · 16, 6659
https://exaly.com/article/203062537
3 citations

Ordered by publication year, newest first

2025 / continued

10 **Preclinical Evidence of Nogo-A Inhibition in Stroke Recovery: A Scoping Review**
Stroke · 56, e346-e354
https://exaly.com/article/204437095
1 citations

11 **Regionally Mapped Astrocytic Responses to Cortical and White Matter Stroke Show Differential Roles in Astrocyte-Induced Vascular Remodeling**
Neuron · 0, 4178-4198.e9
https://exaly.com/article/205551764
7 citations

2024

12 **Biology-Driven Material Design for Ischaemic Stroke Repair**
Nature Reviews Bioengineering · 2, 1-20
https://exaly.com/article/171194448
26 citations

13 **The Emergence of Multiscale Connectomics-Based Approaches in Stroke Recovery**
Trends in Neurosciences · 47, 303-318
https://exaly.com/article/176565820
26 citations

14 **Medical School Regulatory Compliance Burdens for the Physician-Scientist**
Annals of Neurology · 96, 417-422
https://exaly.com/article/187442522
2 citations

15 **An Approach to Successful Development of Clinician–Scientists in Neurology: The NINDS R25 Experience**
Annals of Neurology · 96, 625-632
https://exaly.com/article/187957514
3 citations

16 **Activity-Dependent Transcriptional Programs in Memory Regulate Motor Recovery After Stroke**
Communications Biology · 7, 1-16
https://exaly.com/article/188420940
4 citations

2023

17 **The Ties That Bind: Glial Transplantation in White Matter Ischemia and Vascular Dementia**
Neurotherapeutics · 20, 39-47
https://exaly.com/article/156456586
9 citations

18 **Cardiac Pericytes Mediate the Remodeling Response to Myocardial Infarction**
Journal of Clinical Investigation
https://exaly.com/article/164445780
46 citations

Ordered by publication year, newest first

2023 / continued

19 **Motor Activity-Induced White Matter Repair in White Matter Stroke** — 5 citations
Journal of Neuroscience · 43, 8126-8139
https://exaly.com/article/170525287

20 **A Toolbox of Astrocyte-Specific, Serotype-Independent Adeno-Associated Viral Vectors Using microRNA Targeting Sequences** — 68 citations
Nature Communications · 14, 1-18
https://exaly.com/article/171561668

2022

21 **PRIMED2 Preclinical Evidence Scoring Tool to Assess Readiness for Translation of Neuroprotection Therapies** — 7 citations
Translational Stroke Research · 13, 222-227
https://exaly.com/article/81463131

22 **Expanding the Horizon of Research Into the Pathogenesis of the White Matter Diseases: Proceedings of the 2021 Annual Workshop of the Albert Research Institute for White Matter and Cognition** — 6 citations
GeroScience · 44, 25-37
https://exaly.com/article/91227232

23 **Single-Nucleus Transcriptome Analysis Reveals Disease- and Regeneration-Associated Endothelial Cells in White Matter Vascular Dementia** — 30 citations
Journal of Cellular and Molecular Medicine · 26, 3183-3195
https://exaly.com/article/145305355

24 **Particle Hydrogels Decrease Cerebral Atrophy and Attenuate Astrocyte and Microglia/Macrophage Reactivity After Stroke** — 27 citations
Advanced Therapeutics · 5, 2200048
https://exaly.com/article/148461921

25 **Connecting the Lines After a Stroke.** — 0 citations
ELife
https://exaly.com/article/149472659

26 **PDE2A Inhibition Enhances Axonal Sprouting, Functional Connectivity, and Recovery After Stroke** — 16 citations
Journal of Neuroscience · 42, 8225-8236
https://exaly.com/article/155033979

Ordered by publication year, newest first

2021

27 **Phosphodiesterase 10A Inhibition Leads to Brain Region-Specific Recovery Based on Stroke Type**
16 citations
Translational Stroke Research · 12, 303-315
https://exaly.com/article/77685964

28 **Encouraging an Excitable Brain State: Mechanisms of Brain Repair in Stroke**
271 citations
Nature Reviews Neuroscience · 22, 38-53
https://exaly.com/article/77877049

29 **Chemokine Receptors CC Chemokine Receptor 5 and C-X-C Motif Chemokine Receptor 4 Are New Therapeutic Targets for Brain Recovery After Traumatic Brain Injury**
24 citations
Journal of Neurotrauma · 38, 2003-2017
https://exaly.com/article/77924539

30 **Learning and Stroke Recovery: Parallelism of Biological Substrates**
10 citations
Seminars in Neurology · 41, 147-156
https://exaly.com/article/79638162

31 **Patient-Derived Glial Enriched Progenitors Repair Functional Deficits Due to White Matter Stroke and Vascular Dementia in Rodents**
56 citations
Science Translational Medicine
https://exaly.com/article/80111444

32 **Pharmacological Blockers of CCR5 and CXCR4 Improve Recovery After Traumatic Brain Injury**
39 citations
Experimental Neurology · 338, 113604
https://exaly.com/article/80218363

33 **Reliable Generation of Glial Enriched Progenitors From Human Fibroblast-Derived iPSCs**
14 citations
Stem Cell Research · 55, 102458
https://exaly.com/article/81988065

34 **Heart and Brain Pericytes Exhibit a Pro-Fibrotic Response After Vascular Injury**
21 citations
Circulation Research · 129, e141-e143
https://exaly.com/article/82374085

2020

35 **Proceedings From the Albert Charitable Trust Inaugural Workshop on White Matter and Cognition in Aging**
6 citations
GeroScience · 42, 81-96
https://exaly.com/article/75297049

Ordered by publication year, newest first

2020 / continued

36 **Neuronal Network Topology Indicates Distinct Recovery Processes After Stroke.** — 31 citations
Cerebral Cortex · 30, 6363-6375
https://exaly.com/article/75908226

37 **Glia in Neurodegeneration: Drivers of Disease or Along for the Ride?** — 75 citations
Neurobiology of Disease · 142, 104957
https://exaly.com/article/76864419

38 **Click by Click Microporous Annealed Particle (MAP) Scaffolds** — 88 citations
Advanced Healthcare Materials · 9, 1901391
https://exaly.com/article/77614973

39 **Blowing Up Neural Repair for Stroke Recovery** — 24 citations
Stroke · 51, 3169-3173
https://exaly.com/article/86270374

40 **Injection of Hydrogel Biomaterial Scaffolds to the Brain After Stroke** — 9 citations
Journal of Visualized Experiments
https://exaly.com/article/124343496

41 **Injection of Hydrogel Biomaterial Scaffolds to the Brain After Stroke** — 2 citations
Journal of Visualized Experiments
https://exaly.com/article/143419796

2019

42 **Mechanisms of Demyelination and Remyelination in the Young and Aged Brain Following White Matter Stroke** — 68 citations
Neurobiology of Disease · 126, 5-12
https://exaly.com/article/71816221

43 **A Stroke Recovery Trial Development Framework: Consensus-Based Core Recommendations From the Second Stroke Recovery and Rehabilitation Roundtable** — 84 citations
International Journal of Stroke · 14, 792-802
https://exaly.com/article/72380568

44 **A Stroke Recovery Trial Development Framework: Consensus-Based Core Recommendations From the Second Stroke Recovery and Rehabilitation Roundtable** — 45 citations
Neurorehabilitation and Neural Repair · 33, 959-969
https://exaly.com/article/72407137

Ordered by publication year, newest first

2019 / continued

45 **Region-Specific and Activity-Dependent Regulation of SVZ Neurogenesis and Recovery After Stroke**
Proceedings of the National Academy of Sciences of the United States of America · 116, 13621-13630
https://exaly.com/article/72945753
79 citations

46 **Regeneration Enhances Metastasis: A Novel Role for Neurovascular Signaling in Promoting Melanoma Brain Metastasis**
Frontiers in Neuroscience · 13, 433441
https://exaly.com/article/73547039
17 citations

47 **CCR5 Is a Therapeutic Target for Recovery After Stroke and Traumatic Brain Injury**
Cell · 176, 1143-1157.e13
https://exaly.com/article/73768008
347 citations

48 **White Matter Stroke Induces a Unique Oligo-Astrocyte Niche That Inhibits Recovery**
Journal of Neuroscience · 39, 9343-9359
https://exaly.com/article/74162742
44 citations

2018

49 **Customized Brain Cells for Stroke Patients Using Pluripotent Stem Cells**
Stroke · 49, 1091-1098
https://exaly.com/article/68908369
34 citations

50 **Foxj1 Expressing Ependymal Cells Do Not Contribute New Cells to Sites of Injury or Stroke in the Mouse Forebrain**
Scientific Reports · 8, 1-9
https://exaly.com/article/68977980
25 citations

51 **Uncovering the Rosetta Stone: Report From the First Annual Conference on Key Elements in Translating Stroke Therapeutics From Pre-Clinical to Clinical**
Translational Stroke Research · 9, 258-266
https://exaly.com/article/69264059
15 citations

52 **N-Acetylcysteine Targets 5 Lipoxygenase-Derived, Toxic Lipids and Can Synergize With Prostaglandin E2 to Inhibit Ferroptosis and Improve Outcomes Following Hemorrhagic Stroke in Mice**
Annals of Neurology · 84, 854-872
https://exaly.com/article/70622250
285 citations

53 **Injectable and Spatially Patterned Microporous Annealed Particle (MAP) Hydrogels for Tissue Repair Applications**
Advanced Science · 5, 1801046
https://exaly.com/article/70805432
83 citations

Ordered by publication year, newest first

2018 / continued

54 **Dual-Function Injectable Angiogenic Biomaterial for the Repair of Brain Tissue Following Stroke**
Nature Materials · 17, 642-651
https://exaly.com/article/71057092
300 citations

55 **Stroke in CNS White Matter: Models and Mechanisms**
Neuroscience Letters · 684, 193-199
https://exaly.com/article/71646268
28 citations

56 **CREB Controls Cortical Circuit Plasticity and Functional Recovery After Stroke**
Nature Communications · 9, 1-16
https://exaly.com/article/71758495
136 citations

2017

57 **Molecular, Cellular and Functional Events in Axonal Sprouting After Stroke**
Experimental Neurology · 287, 384-394
https://exaly.com/article/65821553
177 citations

58 **Hydrogel-Delivered Brain-Derived Neurotrophic Factor Promotes Tissue Repair and Recovery After Stroke**
Journal of Cerebral Blood Flow and Metabolism · 37, 1030-1045
https://exaly.com/article/65869480
187 citations

59 **Astrocytes Can Adopt Endothelial Cell Fates in a p53-Dependent Manner**
Molecular Neurobiology · 54, 4584-4596
https://exaly.com/article/65880908
12 citations

60 **Ependymal Cell Contribution to Scar Formation After Spinal Cord Injury Is Minimal, Local and Dependent on Direct Ependymal Injury**
Scientific Reports · 7, 1-16
https://exaly.com/article/65908961
124 citations

61 **Engineered HA Hydrogel for Stem Cell Transplantation in the Brain: Biocompatibility Data Using a Design of Experiment Approach**
Data in Brief · 10, 202-209
https://exaly.com/article/66718213
39 citations

62 **Agreed Definitions and a Shared Vision for New Standards in Stroke Recovery Research: The Stroke Recovery and Rehabilitation Roundtable Taskforce**
Neurorehabilitation and Neural Repair · 31, 793-799
https://exaly.com/article/67040182
339 citations

Ordered by publication year, newest first

2017 / continued

63 Enhancing the Alignment of the Preclinical and Clinical Stroke Recovery Research Pipeline: Consensus-Based Core Recommendations From the Stroke Recovery and Rehabilitation Roundtable Translational Working Group
International Journal of Stroke · 12, 462-471
https://exaly.com/article/67089055
91 citations

64 Agreed Definitions and a Shared Vision for New Standards in Stroke Recovery Research: The Stroke Recovery and Rehabilitation Roundtable Taskforce
International Journal of Stroke · 12, 444-450
https://exaly.com/article/67107903
1,075 citations

65 Translational Stroke Research
Stroke · 48, 2632-2637
https://exaly.com/article/67188038
124 citations

66 Hydrogels With Precisely Controlled Integrin Activation Dictate Vascular Patterning and Permeability
Nature Materials · 16, 953-961
https://exaly.com/article/67285095
189 citations

67 Enhancing the Alignment of the Preclinical and Clinical Stroke Recovery Research Pipeline: Consensus-Based Core Recommendations From the Stroke Recovery and Rehabilitation Roundtable Translational Working Group
Neurorehabilitation and Neural Repair · 31, 699-707
https://exaly.com/article/67297054
71 citations

68 Moving Rehabilitation Research Forward: Developing Consensus Statements for Rehabilitation and Recovery Research
Neurorehabilitation and Neural Repair · 31, 694-698
https://exaly.com/article/67297055
46 citations

69 Alzheimer's Disease–Related Dementias Summit 2016: National Research Priorities
Neurology · 89, 2381-2391
https://exaly.com/article/67451474
131 citations

70 Injection of Microporous Annealing Particle (MAP) Hydrogels in the Stroke Cavity Reduces Gliosis and Inflammation and Promotes NPC Migration to the Lesion
Advanced Materials · 29, 1606471
https://exaly.com/article/67484060
250 citations

71 Broken Movement: The Neurobiology of Motor Recovery After Stroke
Journal unavailable
https://exaly.com/article/90718310
123 citations

Ordered by publication year, newest first

2016

72 **Nogo Receptor Blockade Overcomes Remyelination Failure After White Matter Stroke and Stimulates Functional Recovery in Aged Mice** — 108 citations
Proceedings of the National Academy of Sciences of the United States of America · 113, E8453-E8462
https://exaly.com/article/63717799

73 **Moving Rehabilitation Research Forward: Developing Consensus Statements for Rehabilitation and Recovery Research** — 141 citations
International Journal of Stroke · 11, 454-8
https://exaly.com/article/64068519

74 **Systematic Optimization of an Engineered Hydrogel Allows for Selective Control of Human Neural Stem Cell Survival and Differentiation After Transplantation in the Stroke Brain** — 217 citations
Biomaterials · 105, 145-155
https://exaly.com/article/64394212

75 **Emergent Properties of Neural Repair: Elemental Biology to Therapeutic Concepts** — 120 citations
Annals of Neurology · 79, 895-906
https://exaly.com/article/64418341

76 **A Versatile Murine Model of Subcortical White Matter Stroke for the Study of Axonal Degeneration and White Matter Neurobiology** — 15 citations
Journal of Visualized Experiments
https://exaly.com/article/64867730

77 **The 3 Rs of Stroke Biology: Radial, Relayed, and Regenerative** — 81 citations
Neurotherapeutics · 13, 348-359
https://exaly.com/article/65709475

78 **The Specific Requirements of Neural Repair Trials for Stroke** — 99 citations
Neurorehabilitation and Neural Repair · 30, 470-8
https://exaly.com/article/65759118

79 **A Versatile Murine Model of Subcortical White Matter Stroke for the Study of Axonal Degeneration and White Matter Neurobiology** — 1 citations
Journal of Visualized Experiments
https://exaly.com/article/147417927

2015

80 **Blood–Brain Barrier Breakdown and Neovascularization Processes After Stroke and Traumatic Brain Injury** — 274 citations
Current Opinion in Neurology · 28, 556
https://exaly.com/article/60682986

Ordered by publication year, newest first

2015 / continued

81 Robust Axonal Regeneration Occurs in the Injured CAST/Ei Mouse CNS
Neuron · 86, 1215-1227
https://exaly.com/article/61286211
88 citations

82 Molecular Disorganization of Axons Adjacent to Human Lacunar Infarcts.
Brain · 138, 736-45
https://exaly.com/article/61771650
57 citations

83 Biomaterials Application in Stem Cell Therapies for Stroke
Journal unavailable
https://exaly.com/article/62009938
1 citations

84 The Axon–Glia Unit in White Matter Stroke: Mechanisms of Damage and Recovery
Brain Research · 1623, 123-134
https://exaly.com/article/62176499
55 citations

85 Enzyme-Responsive Delivery of Multiple Proteins With Spatiotemporal Control
Advanced Materials · 27, 3620-3625
https://exaly.com/article/62257851
82 citations

86 GDF10 Is a Signal for Axonal Sprouting and Functional Recovery After Stroke
Nature Neuroscience · 18, 1737-1745
https://exaly.com/article/62469652
174 citations

87 Hydrogel Design of Experiments Methodology to Optimize Hydrogel for iPSC-NPC Culture
Advanced Healthcare Materials · 4, 534-539
https://exaly.com/article/62859134
113 citations

88 Intracerebral Hemorrhage in Mouse Models: Therapeutic Interventions and Functional Recovery
Metabolic Brain Disease · 30, 449-459
https://exaly.com/article/62931741
16 citations

2014

89 Cellular Mechanisms of Plasticity After Brain Lesions
Journal unavailable
https://exaly.com/article/57578710
0 citations

90 White Matter Injury in Stroke and CNS Disease
Journal unavailable
https://exaly.com/article/58829558
5 citations

Ordered by publication year, newest first

2014 / continued

91 **Stem Cells as an Emerging Paradigm in Stroke 3** — 150 citations
Stroke · 45, 634-9
https://exaly.com/article/58951329

92 **Astrocytic Therapies for Neuronal Repair in Stroke** — 75 citations
Neuroscience Letters · 565, 47-52
https://exaly.com/article/59000410

93 **Mouse Intracerebral Hemorrhage Models Produce Different Degrees of Initial and Delayed Damage, Axonal Sprouting, and Recovery** — 41 citations
Journal of Cerebral Blood Flow and Metabolism · 34, 1463-71
https://exaly.com/article/59043041

94 **Angiotropism, Pericytic Mimicry and Extravascular Migratory Metastasis in Melanoma: An Alternative to Intravascular Cancer Dissemination** — 92 citations
Cancer Microenvironment · 7, 139-152
https://exaly.com/article/59072965

95 **Memantine Enhances Recovery From Stroke** — 117 citations
Stroke · 45, 2093-2100
https://exaly.com/article/59475089

96 **Delivery of iPS-NPCs to the Stroke Cavity Within a Hyaluronic Acid Matrix Promotes the Differentiation of Transplanted Cells** — 168 citations
Advanced Functional Materials · 24, 7053-7062
https://exaly.com/article/59545583

97 **Plasticity in the Injured Brain** — 92 citations
Neuroscientist · 20, 15-28
https://exaly.com/article/59601051

98 **White Matter Repair in Subcortical Stroke** — 1 citations
Journal unavailable
https://exaly.com/article/83388161

99 **Acute Axonal Injury in White Matter Stroke** — 0 citations
Journal unavailable
https://exaly.com/article/101119496

2013

100 **The Promise of Neuro-Recovery After Stroke: Introduction** — 10 citations
Stroke · 44, S103
https://exaly.com/article/55185145

Ordered by publication year, newest first

2013 / continued

101 **Remodeling of the Axon Initial Segment After Focal Cortical and White Matter Stroke** — 96 citations
Stroke · 44, 182-9
https://exaly.com/article/55430560

102 **Hyaluronan, Neural Stem Cells and Tissue Reconstruction After Acute Ischemic Stroke** — 68 citations
Biomatter
https://exaly.com/article/55783888

103 **Multimodal Examination of Structural and Functional Remapping in the Mouse Photothrombotic Stroke Model** — 96 citations
Journal of Cerebral Blood Flow and Metabolism · 33, 716-23
https://exaly.com/article/55888580

104 **Age-Dependent Exacerbation of White Matter Stroke Outcomes** — 89 citations
Stroke · 44, 2579-86
https://exaly.com/article/56162317

2012

105 **Opinion & Special Articles: A Guide From Fellowship to Faculty** — 5 citations
Neurology · 79, e116-e119
https://exaly.com/article/52440664

106 **Brain Excitability in Stroke: The Yin and Yang of Stroke Progression** — 216 citations
Archives of Neurology · 69, 161-167
https://exaly.com/article/52458102

107 **A Role for Ephrin-A5 in Axonal Sprouting, Recovery, and Activity-Dependent Plasticity After Stroke** — 229 citations
Proceedings of the National Academy of Sciences of the United States of America · 109, E2230-E2239
https://exaly.com/article/52758374

108 **Getting Neurorehabilitation Right** — 531 citations
Neurorehabilitation and Neural Repair · 26, 923-31
https://exaly.com/article/53990044

109 **Models That Matter: White Matter Stroke Models** — 84 citations
Neurotherapeutics · 9, 349-358
https://exaly.com/article/54389123

Ordered by publication year, newest first

2011

110 **Physically Associated Synthetic Hydrogels With Long-Term Covalent Stabilization for Cell Culture and Stem Cell Transplantation**
Advanced Materials · 23, 5098-5103
https://exaly.com/article/51486696
53 citations

111 **AMPA Receptor-Induced Local Brain-Derived Neurotrophic Factor Signaling Mediates Motor Recovery After Stroke**
Journal of Neuroscience · 31, 3766-3775
https://exaly.com/article/52075618
260 citations

2010

112 **Translating the Frontiers of Brain Repair to Treatments: Starting Not to Break the Rules**
Neurobiology of Disease · 37, 237-242
https://exaly.com/article/48007368
33 citations

113 **Promoting Axonal Rewiring to Improve Outcome After Stroke**
Neurobiology of Disease · 37, 259-266
https://exaly.com/article/48007420
234 citations

114 **Reducing Excessive GABA-Mediated Tonic Inhibition Promotes Functional Recovery After Stroke**
Nature · 468, 305-309
https://exaly.com/article/48503780
808 citations

115 **An Age-Related Sprouting Transcriptome Provides Molecular Control of Axonal Sprouting After Stroke**
Nature Neuroscience · 13, 1496-1504
https://exaly.com/article/48516054
316 citations

116 **Molecular Mechanisms of Neural Repair After Stroke**
Journal unavailable
https://exaly.com/article/48570457
6 citations

117 **Local Hemodynamics Dictate Long-Term Dendritic Plasticity in Peri-Infarct Cortex**
Journal of Neuroscience · 30, 14116-14126
https://exaly.com/article/48740903
111 citations

118 **Targets for Neural Repair Therapies After Stroke**
Stroke · 41, S124-6
https://exaly.com/article/49182805
40 citations

Ordered by publication year, newest first

2010 / continued

119 **Hydrogel Matrix to Support Stem Cell Survival After Brain Transplantation in Stroke** — 216 citations
Neurorehabilitation and Neural Repair · 24, 636-44
https://exaly.com/article/49686195

2009

120 **Pten Deletion in Adult Neural Stem/Progenitor Cells Enhances Constitutive Neurogenesis** — 255 citations
Journal of Neuroscience · 29, 1874-1886
https://exaly.com/article/45778177

121 **Laminar and Compartmental Regulation of Dendritic Growth in Mature Cortex** — 111 citations
Nature Neuroscience · 12, 116-118
https://exaly.com/article/46338159

122 **A White Matter Stroke Model in the Mouse: Axonal Damage, Progenitor Responses and MRI Correlates** — 111 citations
Journal of Neuroscience Methods · 180, 261-272
https://exaly.com/article/46488737

2008

123 **Genomic Profiles of Damage and Protection in Human Intracerebral Hemorrhage** — 76 citations
Journal of Cerebral Blood Flow and Metabolism · 28, 1860-75
https://exaly.com/article/43644077

124 **Themes and Strategies for Studying the Biology of Stroke Recovery in the Poststroke Epoch** — 101 citations
Stroke · 39, 1380-8
https://exaly.com/article/44725123

125 **The Impact Ofcerebral Small Vessel Disease on Cognitive Impairment and Rehabilitation** — 3 citations
Journal unavailable
https://exaly.com/article/44988977

2006

126 **A Neurovascular Niche for Neurogenesis After Stroke** — 833 citations
Journal of Neuroscience · 26, 13007-13016
https://exaly.com/article/39570324

Ordered by publication year, newest first

2006 / continued

127 Neural Progenitor Implantation Restores Metabolic Deficits in the Brain Following Striatal Quinolinic Acid Lesion — 44 citations

Experimental Neurology · 197, 465-474

https://exaly.com/article/39850030

128 Growth-Associated Gene and Protein Expression in the Region of Axonal Sprouting in the Aged Brain After Stroke — 147 citations

Neurobiology of Disease · 23, 362-373

https://exaly.com/article/40804738

129 Cellular and Molecular Mechanisms of Neural Repair After Stroke: Making Waves — 543 citations

Annals of Neurology · 59, 735-742

https://exaly.com/article/40875547

130 A Critical Role of Erythropoietin Receptor in Neurogenesis and Post-Stroke Recovery — 378 citations

Journal of Neuroscience · 26, 1269-1274

https://exaly.com/article/41262261

2005

131 Increased Oxidative Protein and DNA Damage but Decreased Stress Response in the Aged Brain Following Experimental Stroke — 44 citations

Neurobiology of Disease · 18, 432-440

https://exaly.com/article/39328225

132 Growth-Associated Gene Expression After Stroke: Evidence for a Growth-Promoting Region in Peri-Infarct Cortex — 381 citations

Experimental Neurology · 193, 291-311

https://exaly.com/article/39372608

133 Rodent Models of Focal Stroke: Size, Mechanism, and Purpose — 657 citations

NeuroRx · 2, 396-409

https://exaly.com/article/39420951

134 Post-Stroke Neurogenesis and the Neurovascular Niche: Newly Born Neuroblasts Localize to Peri-Infarct Cortex in Close Association With the Vascular Endothelium — 3 citations

Journal of Cerebral Blood Flow and Metabolism · 25, S214-S214

https://exaly.com/article/84859278

2004

135 Metabolic Correlates of Lesion-Specific Plasticity: An in Vivo Imaging Study — 7 citations

Brain Research · 1002, 28-34

https://exaly.com/article/36892328

Ordered by publication year, newest first

2004 / continued

136 Evolution of Diaschisis in a Focal Stroke Model — 129 citations
Stroke · 35, 758-63
https://exaly.com/article/37663052

2003

137 Plasticity of Cortical Projections After Stroke — 319 citations
Neuroscientist · 9, 64-75
https://exaly.com/article/34919377

138 Tissue Microenvironments Within Functional Cortical Subdivisions Adjacent to Focal Stroke — 46 citations
Journal of Cerebral Blood Flow and Metabolism · 23, 997-1009
https://exaly.com/article/35469116

139 Gene Expression Changes After Focal Stroke, Traumatic Brain and Spinal Cord Injuries — 81 citations
Current Opinion in Neurology · 16, 699
https://exaly.com/article/36008543

2002

140 New Laboratory Start-Up in the 21st Century — 2 citations
Trends in Neurosciences · 25, 287-288
https://exaly.com/article/34286290

141 Synchronous Neuronal Activity Is a Signal for Axonal Sprouting After Cortical Lesions in the Adult — 339 citations
Journal of Neuroscience · 22, 6062-6070
https://exaly.com/article/34416232

2001

142 New Patterns of Intracortical Projections After Focal Cortical Stroke — 267 citations
Neurobiology of Disease · 8, 910-922
https://exaly.com/article/32372425

1999

143 | Neurology — 0 citations
Neurology · 52, 214-214-c
https://exaly.com/article/106603799

Ordered by publication year, newest first

1995

144 **Hunger and the Temporal Lobe**

Neurology · 45, 1026-1026-b

https://exaly.com/article/105656779

0 citations

Year unavailable

145 **Title unavailable**

Journal unavailable

https://exaly.com/article/156905652

0 citations

End of list · 145 articles. Citation counts use Exaly’s peer-reviewed cohort.