

Samira Saadoun

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

4,339
citations

172207

29
h-index

189595

50
g-index

51
all docs

51
docs citations

51
times ranked

4124
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Impairment of angiogenesis and cell migration by targeted aquaporin-1 gene disruption. <i>Nature</i> , 2005, 434, 786-792. | 13.7 | 665 |
| 2 | Intra-cerebral injection of neuromyelitis optica immunoglobulin G and human complement produces neuromyelitis optica lesions in mice. <i>Brain</i> , 2010, 133, 349-361. | 3.7 | 480 |
| 3 | Involvement of aquaporin-4 in astroglial cell migration and glial scar formation. <i>Journal of Cell Science</i> , 2005, 118, 5691-5698. | 1.2 | 422 |
| 4 | Water movements in the brain: role of aquaporins. <i>Trends in Neurosciences</i> , 2008, 31, 37-43. | 4.2 | 300 |
| 5 | Anti-“Aquaporin”4 monoclonal antibody blocker therapy for neuromyelitis optica. <i>Annals of Neurology</i> , 2012, 71, 314-322. | 2.8 | 232 |
| 6 | Greatly improved neurological outcome after spinal cord compression injury in AQP4-deficient mice. <i>Brain</i> , 2008, 131, 1087-1098. | 3.7 | 186 |
| 7 | Key roles of aquaporins in tumor biology. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2576-2583. | 1.4 | 182 |
| 8 | Neutrophil protease inhibition reduces neuromyelitis optica-“immunoglobulin G”-induced damage in mouse brain. <i>Annals of Neurology</i> , 2012, 71, 323-333. | 2.8 | 153 |
| 9 | Monitoring of Spinal Cord Perfusion Pressure in Acute Spinal Cord Injury. <i>Critical Care Medicine</i> , 2014, 42, 646-655. | 0.4 | 140 |
| 10 | A novel and accurate diagnostic test for human African trypanosomiasis. <i>Lancet, The</i> , 2004, 363, 1358-1363. | 6.3 | 137 |
| 11 | Expansion Duroplasty Improves Intraspinal Pressure, Spinal Cord Perfusion Pressure, and Vascular Pressure Reactivity Index in Patients with Traumatic Spinal Cord Injury: Injured Spinal Cord Pressure Evaluation Study. <i>Journal of Neurotrauma</i> , 2015, 32, 865-874. | 1.7 | 116 |
| 12 | Neuromyelitis optica MOG-IgG causes reversible lesions in mouse brain. <i>Acta Neuropathologica Communications</i> , 2014, 2, 35. | 2.4 | 115 |
| 13 | Neuromyelitis optica IgG and natural killer cells produce NMO lesions in mice without myelin loss. <i>Acta Neuropathologica</i> , 2012, 123, 861-872. | 3.9 | 97 |
| 14 | Neuromyelitis Optica IgG Causes Placental Inflammation and Fetal Death. <i>Journal of Immunology</i> , 2013, 191, 2999-3005. | 0.4 | 90 |
| 15 | Small-molecule inhibitors of NMO-IgG binding to aquaporin-4 reduce astrocyte cytotoxicity in neuromyelitis optica. <i>FASEB Journal</i> , 2012, 26, 2197-2208. | 0.2 | 76 |
| 16 | Serum \pm 2-HS Glycoprotein Predicts Survival in Patients with Glioblastoma. <i>Clinical Chemistry</i> , 2008, 54, 713-722. | 1.5 | 69 |
| 17 | Intraspinal pressure and spinal cord perfusion pressure predict neurological outcome after traumatic spinal cord injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 452-453. | 0.9 | 66 |
| 18 | Intraspinal pressure and spinal cord perfusion pressure after spinal cord injury: an observational study. <i>Journal of Neurosurgery: Spine</i> , 2015, 23, 763-771. | 0.9 | 58 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Microdialysis to Optimize Cord Perfusion and Drug Delivery in Spinal Cord Injury. <i>Annals of Neurology</i> , 2016, 80, 522-531. | 2.8 | 55 |
| 20 | Spinal Cord Blood Flow in Patients with Acute Spinal Cord Injuries. <i>Journal of Neurotrauma</i> , 2019, 36, 919-929. | 1.7 | 53 |
| 21 | Role of membrane complement regulators in neuromyelitis optica. <i>Multiple Sclerosis Journal</i> , 2015, 21, 1644-1654. | 1.4 | 50 |
| 22 | Spinal cord injury: is monitoring from the injury site the future?. <i>Critical Care</i> , 2016, 20, 308. | 2.5 | 50 |
| 23 | Safety profile and probe placement accuracy of intraspinal pressure monitoring for traumatic spinal cord injury: Injured Spinal Cord Pressure Evaluation study. <i>Journal of Neurosurgery: Spine</i> , 2016, 25, 398-405. | 0.9 | 45 |
| 24 | Continuous Monitoring and Visualization of Optimum Spinal Cord Perfusion Pressure in Patients with Acute Cord Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 2941-2949. | 1.7 | 44 |
| 25 | Targeted Perfusion Therapy in Spinal Cord Trauma. <i>Neurotherapeutics</i> , 2020, 17, 511-521. | 2.1 | 39 |
| 26 | The dura causes spinal cord compression after spinal cord injury. <i>British Journal of Neurosurgery</i> , 2016, 30, 582-584. | 0.4 | 37 |
| 27 | Detrimental role of granulocyte-colony stimulating factor in neuromyelitis optica: clinical case and histological evidence. <i>Multiple Sclerosis Journal</i> , 2012, 18, 1801-1803. | 1.4 | 36 |
| 28 | T cell deficiency does not reduce lesions in mice produced by intracerebral injection of NMO-IgG and complement. <i>Journal of Neuroimmunology</i> , 2011, 235, 27-32. | 1.1 | 31 |
| 29 | Paucity of natural killer and cytotoxic T cells in human neuromyelitis optica lesions. <i>NeuroReport</i> , 2012, 23, 1044-1047. | 0.6 | 30 |
| 30 | Metabolic profile of injured human spinal cord determined using surface microdialysis. <i>Journal of Neurochemistry</i> , 2016, 139, 700-705. | 2.1 | 29 |
| 31 | Predictors of Intraspinal Pressure and Optimal Cord Perfusion Pressure After Traumatic Spinal Cord Injury. <i>Neurocritical Care</i> , 2019, 30, 421-428. | 1.2 | 28 |
| 32 | Measurement of Intraspinal Pressure After Spinal Cord Injury: Technical Note from the Injured Spinal Cord Pressure Evaluation Study. <i>Acta Neurochirurgica Supplementum</i> , 2016, 122, 323-328. | 0.5 | 24 |
| 33 | Acute Spinal Cord Injury: Monitoring Lumbar Cerebrospinal Fluid Provides Limited Information about the Injury Site. <i>Journal of Neurotrauma</i> , 2020, 37, 1156-1164. | 1.7 | 22 |
| 34 | Acute Spinal Cord Injury: Correlations and Causal Relations Between Intraspinal Pressure, Spinal Cord Perfusion Pressure, Lactate-to-Pyruvate Ratio, and Limb Power. <i>Neurocritical Care</i> , 2021, 34, 121-129. | 1.2 | 20 |
| 35 | Dangers of bone graft substitutes: lessons from using GeneX. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011, 82, e3-e3. | 0.9 | 18 |
| 36 | Endothelin stimulates nitric oxide-dependent cyclic GMP formation in rat cerebellar astroglia. <i>NeuroReport</i> , 1999, 10, 33-36. | 0.6 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Markedly Deranged Injury Site Metabolism and Impaired Functional Recovery in Acute Spinal Cord Injury Patients With Fever. <i>Critical Care Medicine</i> , 2018, 46, 1150-1157. | 0.4 | 17 |
| 38 | Non-linear Dynamical Analysis of Intraspinal Pressure Signal Predicts Outcome After Spinal Cord Injury. <i>Frontiers in Neurology</i> , 2018, 9, 493. | 1.1 | 17 |
| 39 | Acute, Severe Traumatic Spinal Cord Injury. <i>Neurosurgery Clinics of North America</i> , 2021, 32, 365-376. | 0.8 | 17 |
| 40 | Visibility Graph Analysis of Intraspinal Pressure Signal Predicts Functional Outcome in Spinal Cord Injured Patients. <i>Journal of Neurotrauma</i> , 2018, 35, 2947-2956. | 1.7 | 13 |
| 41 | Effects of local hypothermiaâ€“rearming on physiology, metabolism and inflammation of acutely injured human spinal cord. <i>Scientific Reports</i> , 2020, 10, 8125. | 1.6 | 12 |
| 42 | Spinal Cord Perfusion Pressure Correlates with Anal Sphincter Function in a Cohort of Patients with Acute, Severe Traumatic Spinal Cord Injuries. <i>Neurocritical Care</i> , 2021, 35, 794-805. | 1.2 | 11 |
| 43 | Monitoring Spinal Cord Tissue Oxygen in Patients With Acute, Severe Traumatic Spinal Cord Injuries. <i>Critical Care Medicine</i> , 2022, 50, e477-e486. | 0.4 | 10 |
| 44 | Extracellular Acidification Modifies Ca ²⁺ -Fluxes in Rat Brain Synaptosomes. <i>Biochemical and Biophysical Research Communications</i> , 1998, 242, 123-128. | 1.0 | 9 |
| 45 | Heterogeneous effect of increasing spinal cord perfusion pressure on sensory evoked potentials recorded from acutely injured human spinal cord. <i>Journal of Critical Care</i> , 2020, 56, 145-151. | 1.0 | 6 |
| 46 | Acute Traumatic Spinal Cord Injury in Humans, Dogs, and Other Mammals: The Under-appreciated Role of the Dura. <i>Frontiers in Neurology</i> , 2021, 12, 629445. | 1.1 | 6 |
| 47 | Acute, severe traumatic spinal cord injury: improving urinary bladder function by optimizing spinal cord perfusion. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 145-152. | 0.9 | 5 |
| 48 | Glioblastoma blood flow measured with stable xenon CT indicates tumor necrosis, vascularity, and brain invasion. <i>Neuro-Oncology</i> , 2012, 14, 641-648. | 0.6 | 2 |
| 49 | Letter to the Editor. The INSPIRE studies for spinal cord injury. <i>Journal of Neurosurgery: Spine</i> , 2021, 35, 684-685. | 0.9 | 1 |
| 50 | Neuromyelitis Optica Spectrum Disorder. <i>Contemporary Clinical Neuroscience</i> , 2019, , 523-541. | 0.3 | 1 |