

# Sheng-Tzung Tsai

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

703  
citations

567281

15  
h-index

580821

25  
g-index

62  
all docs

62  
docs citations

62  
times ranked

888  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Diagnosis and treatment for normal pressure hydrocephalus: From biomarkers identification to outcome improvement with combination therapy. <i>Tzu Chi Medical Journal</i> , 2022, 34, 35.   | 1.1 | 4         |
| 2  | Intracerebral transplantation of autologous adipose-derived stem cells for chronic ischemic stroke: A phase I study. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2022, 16, 3-13.                                   | 2.7 | 14        |
| 3  | Lumbar-peritoneal shunt for idiopathic normal pressure hydrocephalus and secondary normal pressure hydrocephalus. <i>Tzu Chi Medical Journal</i> , 2022, 34, 323.   | 1.1 | 3         |
| 4  | Median Nerve Stimulation Facilitates the Identification of Somatotopy of the Subthalamic Nucleus in Parkinson's Disease Patients under Inhalational Anesthesia. <i>Biomedicines</i> , 2022, 10, 74.                                     | 3.2 | 1         |
| 5  | Desflurane and sevoflurane differentially affect activity of the subthalamic nucleus in Parkinson's disease. <i>British Journal of Anaesthesia</i> , 2021, 126, 477-485.  | 3.4 | 7         |
| 6  | Spinal cord stimulation for spinal cord injury patients with paralysis: To regain walking and dignity. <i>Tzu Chi Medical Journal</i> , 2021, 33, 29.   | 1.1 | 1         |
| 7  | Granulocyte Colony-Stimulating Factor for Treatment of Patients with Chronic Traumatic Brain Injury: A Preliminary Pre-Post Study. <i>Brain Sciences</i> , 2021, 11, 1441.  | 2.3 | 0         |
| 8  | Complete Restoration of Motor Function in Acute Cerebral Stroke Treated with Allogeneic Human Umbilical Cord Blood Monocytes: Preliminary Results of a phase I Clinical Trial. <i>Cell Transplantation</i> , 2021, 30, 096368972110674. | 2.5 | 7         |
| 9  | Transplantation of Adipose-Derived Stem Cells Alleviates Striatal Degeneration in a Transgenic Mouse Model for Multiple System Atrophy. <i>Cell Transplantation</i> , 2020, 29, 096368972096018.  | 2.5 | 1         |
| 10 | A Novel Assessment of Baroreflex Activity Through the Similarity of Ternary Codes of Oscillations Between Arterial Blood Pressure and R-R Intervals. <i>Journal of Medical and Biological Engineering</i> , 2020, 40, 727-734.          | 1.8 | 2         |
| 11 | A Role for Endoplasmic Reticulum Stress in Intracerebral Hemorrhage. <i>Cells</i> , 2020, 9, 750.   | 4.1 | 40        |
| 12 | Human-Induced Pluripotent Stem Cells and Herbal Small-Molecule Drugs for Treatment of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1327.   | 4.1 | 10        |
| 13 | Rostral intralaminar thalamic deep brain stimulation ameliorates memory deficits and dendritic regression in $\beta$ 2-amyloid-infused rats. <i>Brain Structure and Function</i> , 2020, 225, 751-761.                                  | 2.3 | 11        |
| 14 | Dopaminergic Degeneration and Small Vessel Disease in Patients with Normal Pressure Hydrocephalus Who Underwent Shunt Surgery. <i>Journal of Clinical Medicine</i> , 2020, 9, 1084.   | 2.4 | 3         |
| 15 | Sevoflurane and Parkinson's Disease. <i>Anesthesiology</i> , 2020, 132, 1034-1044.  | 2.5 | 7         |
| 16 | Harnessing Neurogenesis and Neuroplasticity with Stem Cell Treatment for Addictive Disorders. <i>Cell Transplantation</i> , 2019, 28, 1127-1131.  | 2.5 | 4         |
| 17 | Five-Year Clinical Outcomes of Local versus General Anesthesia Deep Brain Stimulation for Parkinson's Disease. <i>Parkinson's Disease</i> , 2019, 2019, 1-8.  | 1.1 | 20        |
| 18 | Deep Brain Stimulation for Amelioration of Cognitive Impairment in Neurological Disorders: Neurogenesis and Circuit Reanimation. <i>Cell Transplantation</i> , 2019, 28, 813-818.   | 2.5 | 3         |

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|----|---|-----|-----------|
| 19 | Quality of life in patients with Parkinson's disease after subthalamic stimulation: An observational cohort study for outcome prediction. <i>Tzu Chi Medical Journal</i> , 2019, 31, 107.                                       | 1.1 | 5         |
| 20 | Superficial temporal artery-middle cerebral artery bypass for the treatment of complex middle cerebral artery aneurysms. <i>Tzu Chi Medical Journal</i> , 2018, 30, 110.  | 1.1 | 2         |
| 21 | Passive limb movement test facilitates subthalamic deep brain stimulation under general anesthesia without influencing awareness. <i>Tzu Chi Medical Journal</i> , 2018, 30, 238.   | 1.1 | 0         |
| 22 | Neuroprotection of Granulocyte Colony-Stimulating Factor for Early Stage Parkinson's Disease. <i>Cell Transplantation</i> , 2017, 26, 409-416.  | 2.5 | 22        |
| 23 | Compulsive skin-picking behavior after deep brain stimulation in a patient with refractory obsessive-compulsive disorder. <i>Medicine (United States)</i> , 2017, 96, e8012.  | 1.0 | 6         |
| 24 | Tension pneumoventricle and cerebrospinal fluid rhinorrhea. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2017, 110, 39-40.   | 0.5 | 9         |
| 25 | Neurophysiological comparisons of subthalamic deep-brain stimulation for Parkinson's disease between patients receiving general and local anesthesia. <i>Tzu Chi Medical Journal</i> , 2016, 28, 63-67.                         | 1.1 | 1         |
| 26 | Rostral Intralaminar Thalamic Deep Brain Stimulation Triggered Cortical and Hippocampal Structural Plasticity and Enhanced Spatial Memory. <i>Stereotactic and Functional Neurosurgery</i> , 2016, 94, 108-117.                 | 1.5 | 8         |
| 27 | Extracranial-intracranial bypass in the treatment of complex or giant internal carotid artery aneurysms. <i>Tzu Chi Medical Journal</i> , 2015, 27, 113-119.  | 1.1 | 5         |
| 28 | Effects of subthalamic nucleus deep brain stimulation on quality of life and motor and depressive symptoms in Parkinson's disease. <i>Tzu Chi Medical Journal</i> , 2015, 27, 145-154.  | 1.1 | 0         |
| 29 | Dorsolateral subthalamic neuronal activity enhanced by median nerve stimulation characterizes Parkinson's disease during deep brain stimulation with general anesthesia. <i>Journal of Neurosurgery</i> , 2015, 123, 1394-1400. | 1.6 | 17        |
| 30 | Computing stimulation voltage in a bipolar electrode configuration to avoid side effects during deep brain stimulation. <i>Sensors and Actuators A: Physical</i> , 2015, 233, 9-14.   | 4.1 | 2         |
| 31 | Different effectiveness of subthalamic deep brain stimulation in Parkinson's disease: A comparative cohort study at 1 year and 5 years. <i>Journal of the Formosan Medical Association</i> , 2015, 114, 835-841.                | 1.7 | 16        |
| 32 | Acute stimulation effect of the ventral capsule/ventral striatum in patients with refractory obsessive-compulsive disorder - a double-blinded trial. <i>Neuropsychiatric Disease and Treatment</i> , 2014, 10, 63.              | 2.2 | 20        |
| 33 | Letter to the Editor: Deep brain stimulation and microelectrode recording. <i>Journal of Neurosurgery</i> , 2014, 120, 580.   | 1.6 | 3         |
| 34 | Letter to the Editor: Neurosurgery in obsessive-compulsive disorder. <i>Journal of Neurosurgery</i> , 2014, 120, 1006-1007.   | 1.6 | 0         |
| 35 | Delayed spasticity in four limbs and ataxia after chronic subdural hematoma surgery. <i>Tzu Chi Medical Journal</i> , 2014, 26, 54-56.  | 1.1 | 0         |
| 36 | Surgical salvage for sudden quadriplegia due to recurrent hepatocellular carcinoma with spinal metastasis. <i>Tzu Chi Medical Journal</i> , 2014, 26, 94-96.  | 1.1 | 0         |

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|----|--|-----|-----------|
| 37 | A purely midline ventral schwannoma mimicking a meningioma in the thoracic spine resected via costotransversectomy. Tzu Chi Medical Journal, 2014, 26, 141-143.  | 1.1 | 0         |
| 38 | A systematic review of the impact of subthalamic nucleus stimulation on the quality of life of patients with Parkinson's disease. Tzu Chi Medical Journal, 2014, 26, 15-20.                                    | 1.1 | 3         |
| 39 | Long-term outcome of young onset Parkinson's disease after subthalamic stimulationâ€”A cross-sectional study. Clinical Neurology and Neurosurgery, 2013, 115, 2082-2087.                                       | 1.4 | 22        |
| 40 | Uneven benefits of subthalamic nucleus deep brain stimulation in Parkinson's diseaseâ€”A 7-year cross-sectional study. Tzu Chi Medical Journal, 2013, 25, 239-245.   | 1.1 | 2         |
| 41 | The impact of motor and depressive symptoms on quality of life in patients with Parkinson's disease. Tzu Chi Medical Journal, 2013, 25, 175-178.   | 1.1 | 2         |
| 42 | Deep brain stimulation modifies cognitive function. Tzu Chi Medical Journal, 2013, 25, 86-89.  | 1.1 | 1         |
| 43 | Letter to the Editor: Deep brain stimulation and general anesthesia. Journal of Neurosurgery, 2012, 117, 1207-1208.  | 1.6 | 1         |
| 44 | Locating Optimal Electrodes Placement via Microelectrode Recording in General Anesthetic Patients During Deep Brain Stimulation. , 2012, , .   |     | 2         |
| 45 | N-of-1 trial following deep brain stimulation in a patient with obsessiveâ€”compulsive disorder. Tzu Chi Medical Journal, 2012, 24, 205-208.   | 1.1 | 2         |
| 46 | Prediction of flow augmentation and complications of extracranialâ€”intracranial bypass in symptomatic cerebrovascular diseases. Journal of Clinical Neuroscience, 2012, 19, 814-819.                          | 1.5 | 4         |
| 47 | Spontaneous disappearance of an acute epidural hematoma with emergence of a contralateral subdural hematoma after traumatic brain injury. Tzu Chi Medical Journal, 2012, 24, 139-141.                          | 1.1 | 0         |
| 48 | Long-term comparison of subthalamic nucleus stimulation between patients with young-onset and late-onset Parkinsonâ€™s disease. Tzu Chi Medical Journal, 2012, 24, 65-72.                                      | 1.1 | 4         |
| 49 | Pilot study of deep brain stimulation in refractory obsessiveâ€”compulsive disorder ethnic Chinese patients. Psychiatry and Clinical Neurosciences, 2012, 66, 303-312.   | 1.8 | 48        |
| 50 | Successful separation of the conjoined thecal sac with an epidermal cyst in pygopagus twins. Journal of Pediatric Surgery, 2011, 46, e25-e27.  | 1.6 | 3         |
| 51 | Targeting the Subthalamic Nucleus for Deep Brain Stimulationâ€”A Comparative Study Between Magnetic Resonance Images Alone and Fusion with Computed Tomographic Images. World Neurosurgery, 2011, 75, 132-137. | 1.3 | 29        |
| 52 | Subthalamic Deep Brain Stimulation in Parkinsonâ€™s Disease under Different Anesthetic Modalities: A Comparative Cohort Study. Stereotactic and Functional Neurosurgery, 2011, 89, 372-380.                    | 1.5 | 45        |
| 53 | The Epidemiology of Parkinson's Disease. Tzu Chi Medical Journal, 2010, 22, 73-81.   | 1.1 | 22        |
| 54 | Hypomania with hypersexuality following bilateral anterior limb stimulation in obsessive-compulsive disorder. Journal of Neurosurgery, 2010, 112, 1299-1300.   | 1.6 | 35        |

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|----|--|-----|-----------|
| 55 | Hypomania Following Bilateral Ventral Capsule Stimulation in a Patient with Refractory Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2010, 68, e7-e8.                                      | 1.3 | 22        |
| 56 | Hypomania-like syndrome induced by deep brain stimulation of bilateral anterior limbs of the internal capsules. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009, 33, 906-907. | 4.8 | 10        |
| 57 | Superficial temporal artery–middle cerebral artery bypass for ischemic atherosclerotic middle cerebral artery disease. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 1013-1017.                      | 1.5 | 14        |
| 58 | Prognostic Factors of Subthalamic Stimulation in Parkinson’s Disease: A Comparative Study between Short- and Long-Term Effects. <i>Stereotactic and Functional Neurosurgery</i> , 2009, 87, 241-248.       | 1.5 | 39        |
| 59 | Subthalamic deep brain stimulation after anesthetic inhalation in Parkinson disease: a preliminary study. <i>Journal of Neurosurgery</i> , 2008, 109, 238-244.   | 1.6 | 77        |
| 60 | NEUROPSYCHOLOGICAL EFFECTS AFTER CHRONIC SUBTHALAMIC STIMULATION AND THE TOPOGRAPHY OF THE NUCLEUS IN PARKINSON'S DISEASE. <i>Neurosurgery</i> , 2007, 61, E1024-E1030.                                    | 1.1 | 60        |
| 61 | Controversial Issues in Deep Brain Stimulation in Parkinson's Disease. , 0, , .  |     | 1         |