

Derek G Southwell

List of Publications by Year in descending order

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26
papers

2,024
citations

567281

15
h-index

677142

22
g-index

29
all docs

29
docs citations

29
times ranked

2912
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Maturation of hPSC-Derived Forebrain Interneurons Requires an Extended Timeline and Mimics Human Neural Development. <i>Cell Stem Cell</i> , 2013, 12, 573-586.	11.1	470
2	Intrinsically determined cell death of developing cortical interneurons. <i>Nature</i> , 2012, 491, 109-113.	27.8	293
3	Cortical Plasticity Induced by Inhibitory Neuron Transplantation. <i>Science</i> , 2010, 327, 1145-1148.	12.6	256
4	Reduction of seizures by transplantation of cortical GABAergic interneuron precursors into Kv1.1 mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15472-15477.	7.1	187
5	Cortical Inhibition Modified by Embryonic Neural Precursors Grafted into the Postnatal Brain. <i>Journal of Neuroscience</i> , 2006, 26, 7380-7389.	3.6	170
6	Interneurons from Embryonic Development to Cell-Based Therapy. <i>Science</i> , 2014, 344, 1240622.	12.6	162
7	Intraoperative mapping during repeat awake craniotomy reveals the functional plasticity of adult cortex. <i>Journal of Neurosurgery</i> , 2016, 124, 1460-1469.	1.6	157
8	Long-term Seizure Control Outcomes After Resection of Gangliogliomas. <i>Neurosurgery</i> , 2012, 70, 1406-1414.	1.1	79
9	Resection of gliomas deemed inoperable by neurosurgeons based on preoperative imaging studies. <i>Journal of Neurosurgery</i> , 2018, 129, 567-575.	1.6	48
10	Flexible, high-resolution thin-film electrodes for human and animal neural research. <i>Journal of Neural Engineering</i> , 2021, 18, 045009.	3.5	28
11	Comparison of Deep Brain Stimulation Lead Targeting Accuracy and Procedure Duration between 1.5- and 3-Tesla Interventional Magnetic Resonance Imaging Systems: An Initial 12-Month Experience. <i>Stereotactic and Functional Neurosurgery</i> , 2016, 94, 102-107.	1.5	25
12	Domain Mapping and Deep Learning from Multiple MRI Clinical Datasets for Prediction of Molecular Subtypes in Low Grade Gliomas. <i>Brain Sciences</i> , 2020, 10, 463.	2.3	24
13	Language outcomes after resection of dominant inferior parietal lobule gliomas. <i>Journal of Neurosurgery</i> , 2017, 127, 781-789.	1.6	20
14	Laser ablative therapy of sessile hypothalamic hamartomas in children using interventional MRI: report of 5 cases. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 21, 460-465.	1.3	20
15	Atypical pituitary adenoma: a clinicopathologic case series. <i>Journal of Neurosurgery</i> , 2018, 128, 1058-1065.	1.6	20
16	Interneuron Transplantation Rescues Social Behavior Deficits without Restoring Wild-Type Physiology in a Mouse Model of Autism with Excessive Synaptic Inhibition. <i>Journal of Neuroscience</i> , 2020, 40, 2215-2227.	3.6	17
17	Inhibition of Manual Movements at Speech Arrest Sites in the Posterior Inferior Frontal Lobe. <i>Neurosurgery</i> , 2019, 85, E496-E501.	1.1	14
18	Intrathecal catheter-associated inflammatory mass in a neurofibromatosis type-1 patient receiving fentanyl and bupivacaine. , 2017, 8, 159.		11

#	ARTICLE	IF	CITATIONS
19	Intraoperative microseizure detection using a high-density micro-electrocorticography electrode array. <i>Brain Communications</i> , 2022, 4, .	3.3	10
20	Interneuron transplantation: a prospective surgical therapy for medically refractory epilepsy. <i>Neurosurgical Focus</i> , 2020, 48, E18.	2.3	5
21	Before and after the veterans affairs cooperative program 468 study: Deep brain stimulator target selection for treatment of Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2018, 48, 40-44.	2.2	3
22	A Method for Cranial Nerve XI Silencing During Surgery of the Foramen Magnum Region: Technical Case Report. <i>Operative Neurosurgery</i> , 2019, 16, E130-E133.	0.8	2
23	Acromegaly Due to McCune-Albright Syndrome. <i>US Endocrinology</i> , 2020, 16, 47.	0.3	1
24	In Reply: A Method for Cranial Nerve XI Silencing During Surgery of the Foramen Magnum Region: Technical Case Report. <i>Operative Neurosurgery</i> , 2019, 16, E36-E36.	0.8	0
25	Atypical Pituitary Adenoma: A Clinicopathologic Case Series. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2017, 78, S1-S156.	0.8	0
26	Osteotomy for Cervical Kyphosis. , 2019, , 409-420.		0