

Sean P Polster

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,838
citations

361413
20
h-index

289244
40
g-index

42
all docs

42
docs citations

42
times ranked

2013
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy and safety of minimally invasive surgery with thrombolysis in intracerebral haemorrhage evacuation (MISTIE III): a randomised, controlled, open-label, blinded endpoint phase 3 trial. <i>Lancet</i> , The, 2019, 393, 1021-1032.	13.7	534
2	Heart Failure-associated Changes in RNA Splicing of Sarcomere Genes. <i>Circulation: Cardiovascular Genetics</i> , 2010, 3, 138-146.	5.1	137
3	Cerebral Hemorrhage: Pathophysiology, Treatment, and Future Directions. <i>Circulation Research</i> , 2022, 130, 1204-1229.	4.5	109
4	Molecular signature of recovery following combination left ventricular assist device (LVAD) support and pharmacologic therapy. <i>European Heart Journal</i> , 2006, 28, 613-627.	2.2	102
5	Surgical Performance Determines Functional Outcome Benefit in the Minimally Invasive Surgery Plus Recombinant Tissue Plasminogen Activator for Intracerebral Hemorrhage Evacuation (MISTIE) Procedure. <i>Neurosurgery</i> , 2019, 84, 1157-1168.	1.1	93
6	Cavernous angiomas: deconstructing a neurosurgical disease. <i>Journal of Neurosurgery</i> , 2019, 131, 1-13.	1.6	87
7	Cerebral cavernous malformations form an anticoagulant vascular domain in humans and mice. <i>Blood</i> , 2019, 133, 193-204.	1.4	60
8	Atorvastatin Treatment of Cavernous Angiomas with Symptomatic Hemorrhage Exploratory Proof of Concept (AT CASH EPOC) Trial. <i>Neurosurgery</i> , 2019, 85, 843-853.	1.1	58
9	Distinct cellular roles for PDCD10 define a gut-brain axis in cerebral cavernous malformation. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	51
10	Sex and Age Dimorphism of Myocardial Gene Expression in Nonischemic Human Heart Failure. <i>Circulation: Cardiovascular Genetics</i> , 2008, 1, 117-125.	5.1	48
11	Plasma Biomarkers of Inflammation and Angiogenesis Predict Cerebral Cavernous Malformation Symptomatic Hemorrhage or Lesional Growth. <i>Circulation Research</i> , 2018, 122, 1716-1721.	4.5	47
12	Plasma Biomarkers of Inflammation Reflect Seizures and Hemorrhagic Activity of Cerebral Cavernous Malformations. <i>Translational Stroke Research</i> , 2018, 9, 34-43.	4.2	45
13	Rho Kinase Inhibition Blunts Lesion Development and Hemorrhage in Murine Models of Aggressive <i>Pdcd10/Ccm3</i> Disease. <i>Stroke</i> , 2019, 50, 738-744.	2.0	40
14	Comprehensive transcriptome analysis of cerebral cavernous malformation across multiple species and genotypes. <i>JCI Insight</i> , 2019, 4, .	5.0	40
15	Trial Readiness in Cavernous Angiomas With Symptomatic Hemorrhage (CASH). <i>Neurosurgery</i> , 2019, 84, 954-964.	1.1	34
16	Convection-Enhanced Delivery of Polymeric Nanoparticles Encapsulating Chemotherapy in Canines with Spontaneous Supratentorial Tumors. <i>World Neurosurgery</i> , 2018, 117, e698-e704.	1.3	33
17	Sprouty1 inhibits angiogenesis in association with up-regulation of p21 and p27. <i>Molecular and Cellular Biochemistry</i> , 2010, 338, 255-261.	3.1	31
18	Cerebral cavernous malformations are driven by ADAMTS5 proteolysis of versican. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	30

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19	Transcriptome clarifies mechanisms of lesion genesis versus progression in models of Ccm3 cerebral cavernous malformations. <i>Acta Neuropathologica Communications</i> , 2019, 7, 132.	5.2	27
20	Permissive microbiome characterizes human subjects with a neurovascular disease cavernous angioma. <i>Nature Communications</i> , 2020, 11, 2659.	12.8	27
21	Biomarkers of cavernous angioma with symptomatic hemorrhage. <i>JCI Insight</i> , 2019, 4, .	5.0	25
22	Phenotypic characterization of murine models of cerebral cavernous malformations. <i>Laboratory Investigation</i> , 2019, 99, 319-330.	3.7	24
23	Intracerebral Hemorrhage Volume Reduction and Timing of Intervention Versus Functional Benefit and Survival in the MISTIE III and STICH Trials. <i>Neurosurgery</i> , 2021, 88, 961-970.	1.1	24
24	Cerebral Cavernous Malformation Proteins in Barrier Maintenance and Regulation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 675.	4.1	20
25	Patients with cranial dural arteriovenous fistulas may benefit from expanded hypercoagulability and cancer screening. <i>Journal of Neurosurgery</i> , 2018, 129, 954-960.	1.6	13
26	The cerebral cavernous malformation disease causing gene KRIT1 participates in intestinal epithelial barrier maintenance and regulation. <i>FASEB Journal</i> , 2019, 33, 2132-2143.	0.5	11
27	Common transcriptome, plasma molecules, and imaging signatures in the aging brain and a Mendelian neurovascular disease, cerebral cavernous malformation. <i>GeroScience</i> , 2020, 42, 1351-1363.	4.6	11
28	Phantom validation of quantitative susceptibility and dynamic contrast-enhanced permeability MR sequences across instruments and sites. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1192-1199.	3.4	10
29	Unlocking the promise of oncolytic virotherapy in glioma: combination with chemotherapy to enhance efficacy. <i>Therapeutic Delivery</i> , 2015, 6, 453-468.	2.2	8
30	Primary Sellar Paraganglioma: Case Report with Literature Review and Immunohistochemistry Resource. <i>World Neurosurgery</i> , 2019, 125, 32-36.	1.3	8
31	Thrombolysis for Evacuation of Intracerebral and Intraventricular Hemorrhage: A Guide to Surgical Protocols With Practical Lessons Learned From the MISTIE and CLEAR Trials. <i>Operative Neurosurgery</i> , 2020, 20, 98-108.	0.8	8
32	Subclinical imaging changes in cerebral cavernous angiomas during prospective surveillance. <i>Journal of Neurosurgery</i> , 2020, 134, 1-8.	1.6	8
33	Chronic Treatment with Clenbuterol Modulates Endothelial Progenitor Cells and Circulating Factors in a Murine Model of Cardiomyopathy. <i>Journal of Cardiovascular Translational Research</i> , 2009, 2, 182-190.	2.4	7
34	Symptomatic Brain Hemorrhages from Cavernous Angioma After Botulinum Toxin Injections, a Role of TLR/MEKK3 Mechanism? Case Report and Review of the Literature. <i>World Neurosurgery</i> , 2020, 136, 7-11.	1.3	7
35	Combined petrosal approach. <i>Current Opinion in Otolaryngology and Head and Neck Surgery</i> , 2018, 26, 293-301.	1.8	6
36	In Reply: Surgical Performance Determines Functional Outcome Benefit in the Minimally Invasive Surgery Plus Recombinant Tissue Plasminogen Activator for Intracerebral Hemorrhage Evacuation (MISTIE) Procedure. <i>Neurosurgery</i> , 2020, 86, E411-E411.	1.1	4

#	ARTICLE	IF	CITATIONS
37	An unusual presentation of dystonia and chorea from intraventricular pneumocephalus. , 2018, 9, 193.		4
38	Post-Trial Enhanced Deployment and Technical Performance with the MISTIE Procedure per Lessons Learned. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105996.	1.6	3
39	In Reply: Intracerebral Hemorrhage Volume Reduction and Timing of Intervention Versus Functional Benefit and Survival in the MISTIE III and STICH Trials. Neurosurgery, 2021, 89, E247-E248.	1.1	2
40	Targeted Sprouty1 overexpression in cardiac myocytes does not alter myocardial remodeling or function. Molecular and Cellular Biochemistry, 2010, 342, 57-62.	3.1	1
41	A Report of 2 Cases of Brainstem Hemorrhage After Suboccipital Craniectomy for Chiari Decompression. Operative Neurosurgery, 2018, 14, E58-E62.	0.8	1
42	Management of Intraventricular Hemorrhage. , 2022, , 1055-1065.e3.		0