

Chandramouli Sadasivan

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

829
citations

687363

13
h-index

642732

23
g-index

28
all docs

28
docs citations

28
times ranked

932
citing authors

#	ARTICLE	IF	CITATIONS
1	An Original Flow Diversion Device for the Treatment of Intracranial Aneurysms. <i>Stroke</i> , 2009, 40, 952-958.	2.0	206
2	Treatment of Rabbit Elastase-Induced Aneurysm Models by Flow Diverters: Development of Quantifiable Indexes of Device Performance Using Digital Subtraction Angiography. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1117-1125.	8.9	72
3	Modeling the Interaction of Coils With the Local Blood Flow After Coil Embolization of Intracranial Aneurysms. <i>Journal of Biomechanical Engineering</i> , 2007, 129, 873.	1.3	62
4	Physical Factors Effecting Cerebral Aneurysm Pathophysiology. <i>Annals of Biomedical Engineering</i> , 2013, 41, 1347-1365.	2.5	62
5	Endoluminal Scaffolds for Vascular Reconstruction and Exclusion of Aneurysms From the Cerebral Circulation. <i>Stroke</i> , 2010, 41, S21-5.	2.0	61
6	Hemodynamics of Flow Diverters. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	1.3	49
7	Angiographic quantification of contrast medium washout from cerebral aneurysms after stent placement. <i>American Journal of Neuroradiology</i> , 2002, 23, 1214-21.	2.4	46
8	The mixability of angiographic contrast with arterial blood. <i>Medical Physics</i> , 2009, 36, 5064-5078.	3.0	44
9	Correlation Between Angiographic and Particle Image Velocimetry Quantifications of Flow Diverters in an In Vitro Model of Elastase-Induced Rabbit Aneurysms. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 034506.	1.3	39
10	InÂvitro angiographic comparison of the flow-diversion performance of five neurovascular stents. <i>Interventional Neuroradiology</i> , 2018, 24, 150-161.	1.1	25
11	Morphology of elastase-induced cerebral aneurysm model in rabbit and rapid prototyping of elastomeric transparent replicas. <i>Biorheology</i> , 2005, 42, 345-61.	0.4	24
12	Angiographic Assessment of the Performance of Flow Divertors to Treat Cerebral Aneurysms. , 2006, 2006, 3210-3.		23
13	Realistic Vascular Replicator for TAVR Procedures. <i>Cardiovascular Engineering and Technology</i> , 2018, 9, 339-350.	1.6	16
14	Structural topology optimization for generative design of personalized aneurysm implants: Design, additive manufacturing, and experimental validation. , 2017, , .		14
15	Preliminary in vitro angiographic comparison of the flow diversion behavior of Evolve and Pipeline devices. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 616-620.	3.3	14
16	FUNCTIONAL ANGIOGRAPHY. <i>Critical Reviews in Biomedical Engineering</i> , 2005, 33, 1-102.	0.9	14
17	Angiographic assessment of the efficacy of flow diverter treatment for cerebral aneurysms. <i>Interventional Neuroradiology</i> , 2019, 25, 655-663.	1.1	13
18	Numerical Investigation of Coil Configurations That Provide Ultrahigh Packing Density of Saccular Aneurysms. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2009, 3, 41005.	0.7	10

#	ARTICLE	IF	CITATIONS
19	One way to get there. Journal of NeuroInterventional Surgery, 2021, 13, 401-402.	3.3	7
20	Comparison of the In Vitro Hemodynamic Performance of New Flow Diverters for Bypass of Brain Aneurysms. Journal of Biomechanical Engineering, 2012, 134, 084505.	1.3	6
21	In Vitro Quantification of the Size Distribution of Intracranial Voids Left After Endovascular Coiling of Cerebral Aneurysms. Cardiovascular Engineering and Technology, 2013, 4, 63-74.	1.6	6
22	The truth and fiction in aspiration physics: may the forces be with you. Journal of NeuroInterventional Surgery, 2018, 10, 1029-1030.	3.3	5
23	Pressure and Flow Rate Changes During Contrast Injections in Cerebral Angiography: Correlation to Reflux Length. Cardiovascular Engineering and Technology, 2018, 9, 226-239.	1.6	4
24	In vitro measurement of the permeability of endovascular coils deployed in cerebral aneurysms. Journal of NeuroInterventional Surgery, 2018, 10, 896-900.	3.3	4
25	Immediate flow-diversion characteristics of a novel primarily bioresorbable flow-diverting stent. Journal of Neurosurgery, 2022, 137, 1794-1800.	1.6	3
26	An in vitro study of pressure increases during contrast injections in diagnostic cerebral angiography. Interventional Neuroradiology, 2021, 27, 159101992199609.	1.1	0
27	Endovascular Ultraviolet Laser-Facilitated Reversal of Vasospasm Induced by Subarachnoid Hemorrhage in Canines. Acta Neurochirurgica Supplementum, 2020, 127, 127-138.	1.0	0
28	Angiographic Assessment of the Performance of Flow Divertors to Treat Cerebral Aneurysms. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0