Chandramouli Sadasivan

List of Publications by Year
in descending order

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	Immediate flow-diversion characteristics of a novel primarily bioresorbable flow-diverting stent. Journal of Neurosurgery, 2022, 137, 1794-1800.	1.6	3
2	An in vitro study of pressure increases during contrast injections in diagnostic cerebral angiography. Interventional Neuroradiology, 2021, 27, 159101992199609.	1.1	0
3	One way to get there. Journal of NeuroInterventional Surgery, 2021, 13, 401-402.	3.3	7
4	Preliminary in vitro angiographic comparison of the flow diversion behavior of Evolve and Pipeline devices. Journal of NeuroInterventional Surgery, 2020, 12, 616-620.	3.3	14
5	Endovascular Ultraviolet Laser-Facilitated Reversal of Vasospasm Induced by Subarachnoid Hemorrhage in Canines. Acta Neurochirurgica Supplementum, 2020, 127, 127-138.	1.0	0
6	Angiographic assessment of the efficacy of flow diverter treatment for cerebral aneurysms. Interventional Neuroradiology, 2019, 25, 655-663.	1.1	13
7	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
8	Realistic Vascular Replicator for TAVR Procedures. Cardiovascular Engineering and Technology, 2018, 9, 339-350.	1.6	16
9	InÂvitro angiographic comparison of the flow-diversion performance of five neurovascular stents. Interventional Neuroradiology, 2018, 24, 150-161.	1.1	25
10	In vitro measurement of the permeability of endovascular coils deployed in cerebral aneurysms. Journal of NeuroInterventional Surgery, 2018, 10, 896-900.	3.3	4
11	The truth and fiction in aspiration physics: may the forces be with you. Journal of NeuroInterventional Surgery, 2018, 10, 1029-1030.	3.3	5
12	Hemodynamics of Flow Diverters. Journal of Biomechanical Engineering, 2017, 139, .	1.3	49
13	Structural topology optimization for generative design of personalized aneurysm implants: Design, additive manufacturing, and experimental validation. , 2017, , .		14
14	In Vitro Quantification of the Size Distribution of Intrasaccular Voids Left After Endovascular Coiling of Cerebral Aneurysms. Cardiovascular Engineering and Technology, 2013, 4, 63-74.	1.6	6
15	Physical Factors Effecting Cerebral Aneurysm Pathophysiology. Annals of Biomedical Engineering, 2013, 41, 1347-1365.	2.5	62
16	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
17	Endoluminal Scaffolds for Vascular Reconstruction and Exclusion of Aneurysms From the Cerebral Circulation. Stroke, 2010, 41, S21-5.	2.0	61
18	An Original Flow Diversion Device for the Treatment of Intracranial Aneurysms. Stroke, 2009, 40, 952-958.	2.0	206

#	Article	IF	Citations
19	Numerical Investigation of Coil Configurations That Provide Ultrahigh Packing Density of Saccular Aneurysms. Journal of Medical Devices, Transactions of the ASME, 2009, 3, 41005.	0.7	10
20	Correlation Between Angiographic and Particle Image Velocimetry Quantifications of Flow Diverters in an In Vitro Model of Elastase-Induced Rabbit Aneurysms. Journal of Biomechanical Engineering, 2009, 131, 034506.	1.3	39
21	Treatment of Rabbit Elastase-Induced Aneurysm Models by Flow Diverters: Development of Quantifiable Indexes of Device Performance Using Digital Subtraction Angiography. IEEE Transactions on Medical Imaging, 2009, 28, 1117-1125.	8.9	72
22	The mixability of angiographic contrast with arterial blood. Medical Physics, 2009, 36, 5064-5078.	3.0	44
23	Modeling the Interaction of Coils With the Local Blood Flow After Coil Embolization of Intracranial Aneurysms. Journal of Biomechanical Engineering, 2007, 129, 873.	1.3	62
24	Angiographic Assessment of the Performance of Flow Divertors to Treat Cerebral Aneurysms. , 2006, 2006, 3210-3.		23
25	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
26	FUNCTIONAL ANGIOGRAPHY. Critical Reviews in Biomedical Engineering, 2005, 33, 1-102.	0.9	14
27	Morphology of elastase-induced cerebral aneurysm model in rabbit and rapid prototyping of elastomeric transparent replicas. Biorheology, 2005, 42, 345-61.	0.4	24
28	Angiographic quantification of contrast medium washout from cerebral aneurysms after stent placement. American Journal of Neuroradiology, 2002, 23, 1214-21.	2.4	46