

Philippe Reymond

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,011
citations

430442

18
h-index

454577

30
g-index

37
all docs

37
docs citations

37
times ranked

2267
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Experimental evaluation of the performance of large bore aspiration catheters. <i>Journal of Neuroradiology</i> , 2023, 50, 74-78. | 0.6 | 6 |
| 2 | A high resolution scanning electron microscopy analysis of intracranial thrombi embedded along the stent retrievers. <i>Scientific Reports</i> , 2022, 12, 8027. | 1.6 | 8 |
| 3 | Experimental evaluation of direct thromboaspiration efficacy according to the angle of interaction between the aspiration catheter and the clot. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 1152-1156. | 2.0 | 10 |
| 4 | Acute Stenting and Concomitant Tirofiban Administration for the Endovascular Treatment of Acute Ischemic Stroke Related to Intracranial Artery Dissections: A Single Center Experience and Systematic Review of the Literature. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105891. | 0.7 | 4 |
| 5 | To Balloon or Not to Balloon? The Effects of an Intra-Aortic Balloon-Pump on Coronary Artery Flow during Extracorporeal Circulation Simulating Normal and Low Cardiac Output Syndromes. <i>Journal of Clinical Medicine</i> , 2021, 10, 5333. | 1.0 | 1 |
| 6 | Large Neck and Strong Ostium Inflow as the Potential Causes for Delayed Occlusion of Unruptured Sidewall Intracranial Aneurysms Treated by Flow Diverter. <i>American Journal of Neuroradiology</i> , 2020, 41, 488-494. | 1.2 | 10 |
| 7 | How Flow Reduction Influences the Intracranial Aneurysm Occlusion: A Prospective 4D Phase-Contrast MRI Study. <i>American Journal of Neuroradiology</i> , 2019, 40, 2117-2123. | 1.2 | 9 |
| 8 | A 1D model of the arterial circulation in mice. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2016, 33, 13-28. | 0.9 | 17 |
| 9 | Influence of segmentation on morphological parameters and computed hemodynamics in cerebral aneurysms. <i>Journal of Biorheology</i> , 2013, 26, 44-57. | 0.2 | 3 |
| 10 | Physiological simulation of blood flow in the aorta: Comparison of hemodynamic indices as predicted by 3-D FSI, 3-D rigid wall and 1-D models. <i>Medical Engineering and Physics</i> , 2013, 35, 784-791. | 0.8 | 137 |
| 11 | Ambulatory arterial stiffness index does not accurately assess arterial stiffness. <i>Journal of Hypertension</i> , 2012, 30, 574-580. | 0.3 | 36 |
| 12 | A coupled hydrodynamic model of the cardiovascular and cerebrospinal fluid system. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1492-H1509. | 1.5 | 52 |
| 13 | Flow diversion treatment: intra-aneurysmal blood flow velocity and WSS reduction are parameters to predict aneurysm thrombosis. <i>Acta Neurochirurgica</i> , 2012, 154, 1827-1834. | 0.9 | 94 |
| 14 | Generic and patient-specific models of the arterial tree. <i>Journal of Clinical Monitoring and Computing</i> , 2012, 26, 375-382. | 0.7 | 11 |
| 15 | Patient-specific mean pressure drop in the systemic arterial tree, a comparison between 1-D and 3-D models. <i>Journal of Biomechanics</i> , 2012, 45, 2499-2505. | 0.9 | 33 |
| 16 | 3D simulation of the aqueous flow in the human eye. <i>Medical Engineering and Physics</i> , 2012, 34, 1462-1470. | 0.8 | 51 |
| 17 | Systolic Hypertension Mechanisms: Effect of Global and Local Proximal Aorta Stiffening on Pulse Pressure. <i>Annals of Biomedical Engineering</i> , 2012, 40, 742-749. | 1.3 | 42 |
| 18 | Response to comments regarding Vardoulis O, etÂal., Impact of Aortic Grafts on Arterial Pressure: A Computational Fluid Dynamics Study. <i>Eur J Vasc Endovasc Surg</i> 2011;42:704â€“10. <i>European Journal of Vascular and Endovascular Surgery</i> , 2012, 43, 238-239. | 0.8 | 0 |

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|----|--|-----|-----------|
| 19 | Impact of aortic grafts on hemodynamics: A 1D computational assessment. , 2011, , . | | 1 |
| 20 | A Coupled Simulation of Spinal Cord Blood Flow and Cerebrospinal Fluid Motion in the Spinal Subarachnoid Space Based on In Vivo Measurements. , 2011, , . | | 0 |
| 21 | Validation of the Arteriograph working principle: questions still remain. Journal of Hypertension, 2011, 29, 619. | 0.3 | 9 |
| 22 | Validation of the arteriograph working principle. Journal of Hypertension, 2011, 29, 1662-1663. | 0.3 | 3 |
| 23 | Impact of Aortic Grafts on Arterial Pressure: A Computational Fluid Dynamics Study. European Journal of Vascular and Endovascular Surgery, 2011, 42, 704-710. | 0.8 | 51 |
| 24 | Computational Hemodynamics in Cerebral Aneurysms: The Effects of Modeled Versus Measured Boundary Conditions. Annals of Biomedical Engineering, 2011, 39, 884-896. | 1.3 | 84 |
| 25 | Intracranial Stents Being Modeled as a Porous Medium: Flow Simulation in Stented Cerebral Aneurysms. Annals of Biomedical Engineering, 2011, 39, 850-863. | 1.3 | 88 |
| 26 | Fluidâ€“structure interaction simulation of aortic blood flow. Computers and Fluids, 2011, 43, 46-57. | 1.3 | 156 |
| 27 | Validation of a patient-specific one-dimensional model of the systemic arterial tree. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1173-H1182. | 1.5 | 167 |
| 28 | Numerical Validation of a New Method to Assess Aortic Pulse Wave Velocity from a Single Recording of a Brachial Artery Waveform with an Occluding Cuff. Annals of Biomedical Engineering, 2010, 38, 876-888. | 1.3 | 81 |
| 29 | Validation of a Person Specific 1-D Model of the Systemic Arterial Tree. IFMBE Proceedings, 2010, , 578-579. | 0.2 | 1 |
| 30 | Influence of inlet boundary conditions on the local haemodynamics of intracranial aneurysms. Computer Methods in Biomechanics and Biomedical Engineering, 2009, 12, 431-444. | 0.9 | 52 |
| 31 | Validation of a Person Specific 1D Model of the Systemic Arterial Tree. , 2009, , . | | 1 |
| 32 | Effect of Flow Diverter Porosity on Intraaneurysmal Blood Flow. Klinische Neuroradiologie, 2009, 19, 204-214. | 0.9 | 134 |
| 33 | Validation of a one-dimensional model of the systemic arterial tree. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H208-H222. | 1.5 | 497 |
| 34 | Methodologies to assess blood flow in cerebral aneurysms: Current state of research and perspectives. Journal of Neuroradiology, 2009, 36, 270-277. | 0.6 | 22 |
| 35 | Simulation of the Outflow Pathway in the Human Eye. IFMBE Proceedings, 2009, , 265-268. | 0.2 | 0 |
| 36 | Reproducibility of haemodynamical simulations in a subject-specific stented aneurysm modelâ€“A report on the Virtual Intracranial Stenting Challenge 2007. Journal of Biomechanics, 2008, 41, 2069-2081. | 0.9 | 139 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 37 | One Dimensional Model of the Systemic Arterial Tree Including Cerebral Circulation. , 2007, , . | | 1 |