

# Patient-Specific Modeling of Blood Flow and Pressure in

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Incorporating Autoregulatory Mechanisms of the Cardiovascular System in Three-Dimensional Finite Element Models of Arterial Blood Flow. <i>Annals of Biomedical Engineering</i> , 2010, 38, 2314-2330.	1.3	55
2	Coronary Computed Tomography Angiography. <i>Journal of the American College of Cardiology</i> , 2011, 58, 861-862.	1.2	2
3	Diagnosis of Ischemia-Causing Coronary Stenoses by Noninvasive Fractional Flow Reserve Computed From Coronary Computed Tomographic Angiograms. <i>Journal of the American College of Cardiology</i> , 2011, 58, 1989-1997.	1.2	1,058
4	Rationale and design of the DeFACTO (Determination of Fractional Flow Reserve by Anatomic) Tj ETQq1 1 0.784314 rgBT /Overlock 1011 301-309.	0.7	118
5	Computational biomechanics of the aortic root. <i>Aswan Heart Centre Science &amp; Practice Series</i> , 2011, 2011, .	0.3	6
6	Virtual surgeries in patients with congenital heart disease: a multi-scale modelling test case. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 4316-4330.	1.6	76
7	A comparison of outlet boundary treatments for prevention of backflow divergence with relevance to blood flow simulations. <i>Computational Mechanics</i> , 2011, 48, 277-291.	2.2	220
8	A framework for personalization of coronary flow computations during rest and hyperemia. , 2012, 2012, 6665-8.		28
9	A patient-specific reduced-order model for coronary circulation. , 2012, , .		39
10	Cardiac hybrid imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2012, 13, 51-60.	0.5	46
11	Value of Coronary Computed Tomography as a Prognostic Tool. <i>Clinical Cardiology</i> , 2012, 35, 467-473.	0.7	2
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15	Diagnostic Accuracy of Fractional Flow Reserve From Anatomic CT Angiography. <i>JAMA - Journal of the American Medical Association</i> , 2012, 308, 1237.	3.8	956
16	Effect of image quality on diagnostic accuracy of noninvasive fractional flow reserve: Results from the prospective multicenter international DISCOVER-FLOW study. <i>Journal of Cardiovascular Computed Tomography</i> , 2012, 6, 191-199.	0.7	87
17	Noninvasive Diagnosis of Ischemia-Causing Coronary Stenosis Using CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 1088-1096.	2.3	108
18	Usefulness of Noninvasive Fractional Flow Reserve Computed from Coronary Computed Tomographic Angiograms for Intermediate Stenoses Confirmed by Quantitative Coronary Angiography. <i>American Journal of Cardiology</i> , 2012, 110, 971-976.	0.7	85

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20	CT fractional flow reserve: the next level in non-invasive cardiac imaging. <i>Netherlands Heart Journal</i> , 2012, 20, 410-418.	0.3	15
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25	The effect of aortic wall and aortic leaflet stiffening on coronary hemodynamic: a fluid-structure interaction study. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 923-936.	1.6	20
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30	Coronary Computed Tomography Angiography for Stable Angina: Past, Present, and Future. <i>Canadian Journal of Cardiology</i> , 2013, 29, 266-274.	0.8	8
31	Rationale and design of the HeartFlowNXT (HeartFlow analysis of coronary blood flow using CT) Tj ETQq0 0 0 rgBT JOverlock 10 Tf 50 20	0.7	64
32	Computational Fluid Dynamics Applied to Cardiac Computed Tomography for Noninvasive Quantification of Fractional Flow Reserve. <i>Journal of the American College of Cardiology</i> , 2013, 61, 2233-2241.	1.2	958
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39	Risk assessment of atherosclerotic plaques based on global biomechanics. <i>Medical Engineering and Physics</i> , 2013, 35, 1290-1297.	0.8	7
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