

# Sandor I Bernad

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21 papers	81 citations	6 h-index	7 g-index
43 ext. papers	122 ext. citations	1.8 avg, IF	2.32 L-index

#	Paper	IF	Citations
21	Hemodynamic parameters measurements to assess severity of serial lesions in patient specific right coronary artery. <i>Bio-Medical Materials and Engineering</i> , <b>2014</b> , 24, 323-34	1	10
20	Numerical Model for Cavitation Flow in Hydraulic Poppet Valves. <i>Modelling and Simulation in Engineering</i> , <b>2012</b> , 2012, 1-10	1.3	8
19	Particle depositions and related hemodynamic parameters in the multiple stenosed right coronary artery. <i>Journal of Clinical Medicine Research</i> , <b>2012</b> , 4, 177-89	2.9	8
18	Fluid dynamics in helical geometries with applications for by-pass grafts. <i>Applied Mathematics and Computation</i> , <b>2016</b> , 272, 604-613	2.7	7
17	Particles deposition induced by the magnetic field in the coronary bypass graft model. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 401, 269-286	2.8	6
16	Comparison between experimentally measured flow patterns for straight and helical type graft. <i>Bio-Medical Materials and Engineering</i> , <b>2014</b> , 24, 853-60	1	6
15	Drug targeting investigation in the critical region of the arterial bypass graft. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 475, 14-23	2.8	6
14	Hemodynamic Effects on Particle Targeting in the Arterial Bifurcation for Different Magnet Positions. <i>Molecules</i> , <b>2019</b> , 24,	4.8	5
13	Competitive flow and anastomosis angle influence on bypass hemodynamics in unsteady flow conditions <b>2017</b> ,		5
12	Vortices in by-pass graft flow <b>2013</b> ,		3
11	Fluid targeted delivery of functionalized magnetoresponsive nanocomposite particles to a ferromagnetic stent. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 519, 167489	2.8	3
10	Luminal flow alteration in presence of the stent <b>2015</b> ,		2
9	Helical type coronary bypass graft performance: Experimental investigations. <i>Bio-Medical Materials and Engineering</i> , <b>2015</b> , 26 Suppl 1, S477-86	1	2
8	Clinical important hemodynamic characteristics for serial stenosed coronary artery. <i>International Journal of Design and Nature and Ecodynamics</i> , <b>2015</b> , 10, 97-113	2.3	2
7	Anastomosis configuration influence on local hemodynamics in coronary bypass <b>2018</b> ,		1
6	Fluid mechanics in stented arterial model <b>2015</b> ,		1
5	Numerical investigation of Dean vortices in a curved pipe <b>2013</b> ,		1

4      An analysis of blood flow dynamics in AAA **2011**, 1

3      SAPHENOUS VEIN GRAFT PATENCY AFTER GEOMETRY REMODELING. *Journal of Mechanics in Medicine and Biology*, **2015**, 15, 1540051 0.7   0

2      Fluid Dynamics in Simplified pre and post-Stented Coronary Bifurcation. *Springer Proceedings in Physics*, **2018**, 173-180 0.2

1      Optimization of the hydrofoil cascade and validation with quasi-analytical solution for hydraulic machinery. *IOP Conference Series: Earth and Environmental Science*, **2010**, 12, 012075 0.3