

Zdravko Virag

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-economic optimization of a Rankine cycle used for waste-heat recovery in biogas cogeneration plants. <i>Energy Conversion and Management</i> , 2021, 232, 113897.	9.2	37
2	Optimization of an organic Rankine cycle constrained by the application of compact heat exchangers. <i>Energy Conversion and Management</i> , 2019, 188, 333-345.	9.2	32
3	Autoparametric resonance in an externally excited system. <i>Chaos, Solitons and Fractals</i> , 1994, 4, 263-273.	5.1	24
4	A hybrid Windkessel-Womersley model for blood flow in arteries. <i>Journal of Theoretical Biology</i> , 2019, 462, 499-513.	1.7	14
5	Cooling of a sphere by natural convection – The applicability of the lumped capacitance method. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 2303-2309.	4.8	12
6	Influence of natural convection on the melting of ice block surrounded by water on all sides. <i>International Journal of Heat and Mass Transfer</i> , 2006, 49, 4106-4115.	4.8	10
7	Truncated Method of Characteristics for Quasi-Two-Dimensional Water Hammer Model. <i>Journal of Hydraulic Engineering</i> , 2014, 140, .	1.5	9
8	Modeling of aortic valve dynamics in a lumped parameter model of left ventricular-arterial coupling. <i>Annali Dell'Universita Di Ferrara</i> , 2008, 54, 335-347.	1.3	8
9	Analytical Entropy Analysis of Recuperative Heat Exchangers. <i>Entropy</i> , 2003, 5, 482-495.	2.2	6
10	Multi objective optimization of aspirating smoke detector sampling pipeline. <i>Optimization and Engineering</i> , 2021, 22, 121-140.	2.4	6
11	Detailed analysis of the effect of the turbine and compressor isentropic efficiency on the thermal and exergy efficiency of a Brayton cycle. <i>Thermal Science</i> , 2014, 18, 843-852.	1.1	5
12	Efficient solution method for quasi two-dimensional model of water hammer. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2014, 52, 575-579.	1.7	4
13	Comparison of Finned Tube and Plate-Finned Heat Exchangers in Waste Heat Recovery. <i>Transactions of Famena</i> , 2018, 42, 1-12.	0.6	3
14	A fast method for solving a linear model of one-dimensional blood flow in a viscoelastic arterial tree. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2017, 231, 203-212.	1.8	1
15	Boundary Layer Method for Unsteady Transonic Flow. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2012, 58, 470-481.	1.1	0
16	Noninvasive determination of the pulmonary artery input impedance. <i>Medical Hypotheses</i> , 2018, 120, 7-13.	1.5	0
17	Doppler mitral inflow variables time course after treadmill stress echo with and without ischemic response. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 1751-1759.	1.5	0