

# Takafumi Sasaki

## List of Publications by Year in descending order

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13  
papers

478  
citations

933447

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1372567

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docs citations

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times ranked

103  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heart valve flow computation with the integrated Space-Time VMS, Slip Interface, Topology Change and Isogeometric Discretization methods. Computers and Fluids, 2017, 158, 176-188.	2.5	84
2	Mesh refinement influence and cardiac-cycle flow periodicity in aorta flow analysis with isogeometric discretization. Computers and Fluids, 2019, 179, 790-798.	2.5	58
3	Isogeometric hyperelastic shell analysis with out-of-plane deformation mapping. Computational Mechanics, 2019, 63, 681-700.	4.0	54
4	Aorta Flow Analysis and Heart Valve Flow and Structure Analysis. Modeling and Simulation in Science, Engineering and Technology, 2018, , 29-89.	0.6	51
5	Heart Valve Flow Computation with the Space-Time Slip Interface Topology Change (ST-SI-TC) Method and Isogeometric Analysis (IGA). Lecture Notes in Applied and Computational Mechanics, 2018, , 77-99.	2.2	47
6	Medical-image-based aorta modeling with zero-stress-state estimation. Computational Mechanics, 2019, 64, 249-271.	4.0	40
7	Aorta modeling with the element-based zero-stress state and isogeometric discretization. Computational Mechanics, 2017, 59, 265-280.	4.0	39
8	Anatomically realistic lumen motion representation in patient-specific space-time isogeometric flow analysis of coronary arteries with time-dependent medical-image data. Computational Mechanics, 2020, 65, 395-404.	4.0	37
9	Aorta zero-stress state modeling with T-spline discretization. Computational Mechanics, 2019, 63, 1315-1331.	4.0	35
10	Estimation of Element-Based Zero-Stress State in Arterial FSI Computations with Isogeometric Wall Discretization. Lecture Notes in Applied and Computational Mechanics, 2018, , 101-122.	2.2	32
11	Anatomically realistic lumen motion representation in patient-specific space-time isogeometric flow analysis of coronary arteries with time-dependent medical-image data. , 2020, 65, 395.		1
12	2A23 Arterial Wall Modeling and Medical Image Mapping Based on Element-Based Zero-Stress State Estimation Method. The Proceedings of the Bioengineering Conference Annual Meeting of BED/J SME, 2015, 2015.27, 315-316.	0.0	0
13	1E33 Zero-Stress State Estimation of Aortic Wall with NURBS Representation. The Proceedings of the Bioengineering Conference Annual Meeting of BED/J SME, 2016, 2016.28, _1E33-1_-_1E33-3_.	0.0	0