

Emilie Marchandise

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

548
citations

759233

12
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

574
citing authors

#	ARTICLE	IF	CITATIONS
1	A stabilized finite element method using a discontinuous level set approach for solving two phase incompressible flows. Journal of Computational Physics, 2006, 219, 780-800.	3.8	97
2	A quadrature-free discontinuous Galerkin method for the level set equation. Journal of Computational Physics, 2006, 212, 338-357.	3.8	80
3	A stabilized finite element method using a discontinuous level set approach for the computation of bubble dynamics. Journal of Computational Physics, 2007, 225, 949-974.	3.8	75
4	A numerical hemodynamic tool for predictive vascular surgery. Medical Engineering and Physics, 2009, 31, 131-144.	1.7	57
5	Transient adaptivity applied to two-phase incompressible flows. Journal of Computational Physics, 2008, 227, 1923-1942.	3.8	29
6	Validation of a 1D patient-specific model of the arterial hemodynamics in bypassed lower-limbs: Simulations against in vivo measurements. Medical Engineering and Physics, 2013, 35, 1573-1583.	1.7	29
7	Inlet boundary conditions for blood flow simulations in truncated arterial networks. Journal of Biomechanics, 2011, 44, 897-903.	2.1	26
8	Accurate modelling of unsteady flows in collapsible tubes. Computer Methods in Biomechanics and Biomedical Engineering, 2010, 13, 279-290.	1.6	23
9	Anisotropic mesh adaptation with optimal convergence for finite elements using embedded geometries. Computer Methods in Applied Mechanics and Engineering, 2014, 268, 65-81.	6.6	22
10	A 3D strongly coupled implicit discontinuous Galerkin level set-based method for modeling two-phase flows. Computers and Fluids, 2013, 87, 144-155.	2.5	19
11	Optimal parametrizations for surface remeshing. Engineering With Computers, 2014, 30, 383-402.	6.1	19
12	Active Catheters for Neuroradiology. Journal of Robotics and Mechatronics, 2011, 23, 105-115.	1.0	18
13	Spatial and spectral superconvergence of discontinuous Galerkin method for hyperbolic problems. Journal of Computational and Applied Mathematics, 2008, 215, 484-494.	2.0	11
14	Testing Spirometers: Are the Standard Curves of the American Thoracic Society Sufficient?. Respiratory Care, 2014, 59, 1895-1904.	1.6	11
15	Quality open source mesh generation for cardiovascular flow simulations. Modeling, Simulation and Applications, 2012, , 395-414.	1.3	9
16	Lloyd's energy minimization in the L_p norm for quadrilateral surface mesh generation. Engineering With Computers, 2014, 30, 97-110.	6.1	9
17	Central and peripheral pulse wave velocities are associated with ankle-brachial pressure index. Artery Research, 2012, 6, 28.	0.6	8
18	Anisotropic adaptive nearly body-fitted meshes for CFD. Engineering With Computers, 2014, 30, 517-533.	6.1	3

#	ARTICLE	IF	CITATIONS
19	Thermal and hydrodynamic modelling of active catheters for interventional radiology. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2011, 14, 595-602.	1.6	2
20	Use of wave intensity analysis during peripheral revascularisation: Lessons from cases study. <i>Artery Research</i> , 2013, 7, 93.	0.6	1