

# 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  | Optimal parametrizations for surface remeshing. <i>Engineering With Computers</i> , 2014, 30, 383-402.  | 6.1 | 19        |
| 2  | Lloyd's energy minimization in the $L_p$ norm for quadrilateral surface mesh generation. <i>Engineering With Computers</i> , 2014, 30, 97-110.  | 6.1 | 9         |
| 3  | Testing Spirometers: Are the Standard Curves of the American Thoracic Society Sufficient?. <i>Respiratory Care</i> , 2014, 59, 1895-1904.   | 1.6 | 11        |
| 4  | Anisotropic adaptive nearly body-fitted meshes for CFD. <i>Engineering With Computers</i> , 2014, 30, 517-533.  | 6.1 | 3         |
| 5  | Anisotropic mesh adaptation with optimal convergence for finite elements using embedded geometries. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014, 268, 65-81.                    | 6.6 | 22        |
| 6  | A 3D strongly coupled implicit discontinuous Galerkin level set-based method for modeling two-phase flows. <i>Computers and Fluids</i> , 2013, 87, 144-155.   | 2.5 | 19        |
| 7  | Validation of a 1D patient-specific model of the arterial hemodynamics in bypassed lower-limbs: Simulations against in vivo measurements. <i>Medical Engineering and Physics</i> , 2013, 35, 1573-1583. | 1.7 | 29        |
| 8  | Use of wave intensity analysis during peripheral revascularisation: Lessons from cases study. <i>Artery Research</i> , 2013, 7, 93.   | 0.6 | 1         |
| 9  | Central and peripheral pulse wave velocities are associated with ankle-brachial pressure index. <i>Artery Research</i> , 2012, 6, 28.   | 0.6 | 8         |
| 10 | Quality open source mesh generation for cardiovascular flow simulations. <i>Modeling, Simulation and Applications</i> , 2012, , 395-414.  | 1.3 | 9         |
| 11 | Inlet boundary conditions for blood flow simulations in truncated arterial networks. <i>Journal of Biomechanics</i> , 2011, 44, 897-903.  | 2.1 | 26        |
| 12 | 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         |
| 13 | Active Catheters for Neuroradiology. <i>Journal of Robotics and Mechatronics</i> , 2011, 23, 105-115.   | 1.0 | 18        |
| 14 | Accurate modelling of unsteady flows in collapsible tubes. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2010, 13, 279-290.  | 1.6 | 23        |
| 15 | A numerical hemodynamic tool for predictive vascular surgery. <i>Medical Engineering and Physics</i> , 2009, 31, 131-144.   | 1.7 | 57        |
| 16 | Transient adaptivity applied to two-phase incompressible flows. <i>Journal of Computational Physics</i> , 2008, 227, 1923-1942.   | 3.8 | 29        |
| 17 | Spatial and spectral superconvergence of discontinuous Galerkin method for hyperbolic problems. <i>Journal of Computational and Applied Mathematics</i> , 2008, 215, 484-494.                           | 2.0 | 11        |
| 18 | A stabilized finite element method using a discontinuous level set approach for the computation of bubble dynamics. <i>Journal of Computational Physics</i> , 2007, 225, 949-974.                       | 3.8 | 75        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A quadrature-free discontinuous Galerkin method for the level set equation. Journal of Computational Physics, 2006, 212, 338-357.   | 3.8 | 80        |
| 20 | 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        |