Romain Guibert

List of Publications by Year
in descending order

17 papers	405 citations	1040056 9 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	511 citing authors

#	Article	IF	Citations
1	An open-source toolbox for multiphase flow in porous media. Computer Physics Communications, 2015, 187, 217-226.	7.5	84
2	Computational Permeability Determination from Pore-Scale Imaging: Sample Size, Mesh and Method Sensitivities. Transport in Porous Media, 2015, 107, 641-656.	2.6	79
3	Cerebral Blood Flow Modeling in Primate Cortex. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1860-1873.	4.3	59
4	A Comparison of Various Methods for the Numerical Evaluation of Porous Media Permeability Tensors from Pore-Scale Geometry. Mathematical Geosciences, 2016, 48, 329-347.	2.4	58
5	Group-wise construction of reduced models for understanding and characterization of pulmonary blood flows from medical images. Medical Image Analysis, 2014, 18, 63-82.	11.6	27
6	A New Approach to Model Confined Suspensions Flows in Complex Networks: Application to Blood Flow. Transport in Porous Media, 2010, 83, 171-194.	2.6	22
7	Coupling and robustness of intra-cortical vascular territories. NeuroImage, 2012, 62, 408-417.	4.2	18
8	Blood Flow Simulations for the Design of Stented Valve Reducer in Enlarged Ventricular Outflow Tracts. Cardiovascular Engineering and Technology, 2015, 6, 485-500.	1.6	14
9	Benchmark of different CFL conditions for IMPES. Comptes Rendus - Mecanique, 2016, 344, 715-724.	2.1	12
10	On the Normalization of Cerebral Blood Flow. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 669-672.	4.3	8
11	A reduced-order modeling for efficient design study of artificial valve in enlarged ventricular outflow tracts. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 1314-1318.	1.6	7
12	Efficiency of a two-step upscaling method for permeability evaluation at Darcy and pore scales. Computational Geosciences, 2015, 19, 1159-1169.	2.4	5
13	Steady streaming confined between three-dimensional wavy surfaces. Journal of Fluid Mechanics, 2010, 657, 430-455.	3.4	4
14	Analysis of vascular homogeneity and anisotropy on high‐resolution primate brain imaging. Human Brain Mapping, 2017, 38, 5756-5777.	3.6	3
15	Simultaneous Determinations of Effective Porosity and Dispersion Coefficient from Core Flooding Experiments, Considering Chemical Reactions. Transport in Porous Media, 2021, 140, 837-850.	2.6	3
16	Le réseau micro-vasculaire structure la distribution de la pression sanguine. Mecanique Et Industries, 2009, 10, 255-260.	0.2	1
17	Image-based effective medium approximation for fast permeability evaluation of porous media core samples. Computational Geosciences, 2021, 25, 105-117.	2.4	1