

# Romain Guibert

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8846303/publications.pdf>

Version: 2024-02-01

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