Florence Hubert

List of Publications by Year
in descending order

13 papers	**408** citations

1307594

7 h-index	

1058476

14 g-index	

15 all docs	**15** docs citations

15 times ranked	**335** citing authors

#	Article	IF	Citations
1	Discrete duality finite volume schemes for LerayˆˇLionsˆˇtype elliptic problems on general 2D meshes. Numerical Methods for Partial Differential Equations, 2007, 23, 145-195.	3.6	119
2	Mathematical Modeling of Tumor Growth and Metastatic Spreading: Validation in Tumor-Bearing Mice. Cancer Research, 2014, 74, 6397-6407.	0.9	96
3	Finite Volume Method for 2D Linear and Nonlinear Elliptic Problems with Discontinuities. SIAM Journal on Numerical Analysis, 2008, 46, 3032-3070.	2.3	77
4	Mathematical and numerical analysis for a model of growing metastatic tumors. Mathematical Biosciences, 2009, 218, 1-14.	1.9	49
5	Nonoverlapping Schwarz algorithm for solving two-dimensional m-DDFV schemes. IMA Journal of Numerical Analysis, 2010, 30, 1062-1100.	2.9	18
6	Sympathetic axonal sprouting induces changes in macrophage populations and protects against pancreatic cancer. Nature Communications, 2022, 13, 1985.	12.8	14
7	Exploring the effect of end-binding proteins and microtubule targeting chemotherapy drugs on microtubule dynamic instability. Journal of Theoretical Biology, 2017, 429, 18-34.	1.7	11
8	Optimized Schwarz methods with general Ventcell transmission conditions for fully anisotropic diffusion with discrete duality finite volume discretizations. Moroccan Journal of Pure and Applied Analysis, 2021, 7, 182-213.	0.4	8
9	A Growth-Fragmentation Approach for Modeling Microtubule Dynamic Instability. Bulletin of Mathematical Biology, 2019, 81, 722-758.	1.9	4
10	Discrete Optimization of Robin Transmission Conditions for Anisotropic Diffusion with Discrete Duality Finite Volume Methods. Vietnam Journal of Mathematics, 2021, 49, 1349-1378.	0.8	4
11	Optimized Schwarz Algorithms in the Framework of DDFV Schemes. Lecture Notes in Computational Science and Engineering, 2014, , 457-466.	0.3	3
12	An Efficient Implementation of a 3D CeVeFE DDFV Scheme on Cartesian Grids and an Application in Image Processing. Springer Proceedings in Mathematics and Statistics, 2014, , 637-645.	0.2	2
13	Microtubules (MT) a key target in oncology: mathematical modeling of anti-MT agents on cell migration. Mathematical Modelling of Natural Phenomena, 2020, 15, 63.	2.4	1