

# Paul Vigneaux

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/768812/publications.pdf>

Version: 2024-02-01

9  
papers

170  
citations

1478505

6  
h-index

1588992

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g-index

9  
all docs

9  
docs citations

9  
times ranked

245  
citing authors

#	ARTICLE	IF	CITATIONS
1	On stability condition for bifluid flows with surface tension: Application to microfluidics. Journal of Computational Physics, 2008, 227, 6140-6164.	3.8	86
2	A mathematical model for mechanotransduction at the early steps of suture formation. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122670.	2.6	32
3	Efficient numerical schemes for viscoplastic avalanches. Part 1: The 1D case. Journal of Computational Physics, 2014, 264, 55-90.	3.8	15
4	A Well-balanced Finite Volume-Augmented Lagrangian Method for an Integrated Herschel-Bulkley Model. Journal of Scientific Computing, 2012, 53, 608-641.	2.3	14
5	Augmented Lagrangian simulations study of yield-stress fluid flows in expansion-contraction and comparisons with physical experiments. Journal of Non-Newtonian Fluid Mechanics, 2017, 239, 35-52.	2.4	12
6	Flow of a yield-stress fluid over a cavity: Experimental and numerical investigation of a viscoplastic boundary layer. Journal of Non-Newtonian Fluid Mechanics, 2018, 261, 38-49.	2.4	7
7	Efficient numerical schemes for viscoplastic avalanches. Part 2: The 2D case. Journal of Computational Physics, 2018, 353, 460-490.	3.8	3
8	Population parametrization of costly black box models using iterations between SAEM algorithm and kriging. Computational and Applied Mathematics, 2018, 37, 161-173.	1.3	1
9	Some Remarks on Avalanches Modelling: An Introduction to Shallow Flows Models. SEMA SIMAI Springer Series, 2014, , 51-106.	0.7	0