

Fabio Vito Difonzo

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

1040056

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all docs

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docs citations

14
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	The 1D Richards's equation in two layered soils: a Filippov approach to treat discontinuities. <i>Advances in Water Resources</i> , 2018, 115, 264-272.	3.8	30
2	A mixed MoL-TMoL for the numerical solution of the 2D Richards's equation in layered soils. <i>Computers and Mathematics With Applications</i> , 2020, 79, 1990-2001.	2.7	29
3	The Moments Sliding Vector Field on the Intersection of Two Manifolds. <i>Journal of Dynamics and Differential Equations</i> , 2017, 29, 169-201.	1.9	22
4	A comparison of Filippov sliding vector fields in codimension 2. <i>Journal of Computational and Applied Mathematics</i> , 2014, 262, 161-179.	2.0	19
5	A transversal method of lines for the numerical modeling of vertical infiltration into the vadose zone. <i>Applied Numerical Mathematics</i> , 2019, 135, 264-275.	2.1	19
6	Shooting the Numerical Solution of Moisture Flow Equation with Root Water Uptake Models: A Python Tool. <i>Water Resources Management</i> , 2021, 35, 2553-2567.	3.9	15
7	Strong solutions for Richards's equation with Cauchy conditions and constant pressure gradient. <i>Environmental Fluid Mechanics</i> , 2020, 20, 165-174.	1.6	14
8	A quadrature-based scheme for numerical solutions to Kirchhoff transformed Richards' equation. <i>Journal of Computational Dynamics</i> , 2022, 9, 69.	1.1	12
9	A note on attractivity for the intersection of two discontinuity manifolds. <i>Opuscula Mathematica</i> , 2020, 40, 685-702.	0.8	10
10	On the Inverse of Some Sign Matrices and on the Moments Sliding Vector Field on the Intersection of Several Manifolds: Nodally Attractive Case. <i>Journal of Dynamics and Differential Equations</i> , 2017, 29, 1355-1381.	1.9	3
11	Minimum variation solutions for sliding vector fields on the intersection of two surfaces in \mathbb{R}^3 . <i>Journal of Computational and Applied Mathematics</i> , 2016, 292, 732-745.	2.0	2
12	Isochronous Attainable Manifolds for Piecewise Smooth Dynamical Systems. <i>Qualitative Theory of Dynamical Systems</i> , 2022, 21, 1.	1.7	2
13	On the Shooting Method Applied to Richards's Equation with a Forcing Term. <i>Lecture Notes in Computer Science</i> , 2021, , 273-286.	1.3	0