Fabio Vito Difonzo

List of Publications by Year
in descending order

13 papers	178 citations	1040056 9 h-index	1125743 13 g-index
14 all docs	14 docs citations	14 times ranked	132 citing authors

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