Giuseppe Viglialoro

List of Publications by Year
in descending order

35 papers	660 citations	567281 15 h-index	580821 25 g-index
36 all docs	36 docs citations	36 times ranked	269 citing authors

#	Article	IF	Citations
1	Properties of solutions to porous medium problems with different sources and boundary conditions. Zeitschrift Fur Angewandte Mathematik Und Physik, 2019, 70, 1.	1.4	142
2	Very weak global solutions to a parabolicâ€“parabolic chemotaxis-system with logistic source. Journal of Mathematical Analysis and Applications, 2016, 439, 197-212.	1.0	74
3	Boundedness properties of very weak solutions to a fully parabolic chemotaxis-system with logistic source. Nonlinear Analysis: Real World Applications, 2017, 34, 520-535.	1.7	48
4	Solvability of a Kellerâ€“Segel system with signal-dependent sensitivity and essentially sublinear production. Applicable Analysis, 2020, 99, 2507-2525.	1.3	28
5	Global Existence and Boundedness of Solutions to a Chemotaxis-Consumption Model with Singular Sensitivity. Acta Applicandae Mathematicae, 2020, 167, 75-97.	1.0	28
6	Boundedness in a chemotaxis system with consumed chemoattractant and produced chemorepellent. Nonlinear Analysis: Theory, Methods & Applications, 2021, 213, 112505.	1.1	28
7	Boundedness in a parabolicâ€elliptic chemotaxis system with nonlinear diffusion and sensitivity and logistic source. Mathematical Methods in the Applied Sciences, 2018, 41, 1809-1824.	2.3	27
8	Analysis and explicit solvability of degenerate tensorial problems. Boundary Value Problems, 2018, 2018, .	0.7	25
9	Boundedness in a nonlinear attraction-repulsion Kellerâ€“Segel system with production and consumption. Journal of Mathematical Analysis and Applications, 2021, 504, 125428.	1.0	24
10	Blowâ€up phenomena in chemotaxis systems with a source term. Mathematical Methods in the Applied Sciences, 2016, 39, 2787-2798.	2.3	22
11	Explicit lower bound of blowâ€“up time for an attractionâ€“repulsion chemotaxis system. Journal of Mathematical Analysis and Applications, 2019, 479, 1069-1077.	1.0	22
12	Boundedness for a Fully Parabolic Kellerâ€“Segel Model with Sublinear Segregation and Superlinear Aggregation. Acta Applicandae Mathematicae, 2021, 171, 1.	1.0	21
13	Lower bounds for blow-up time in a parabolic problem with a gradient term under various boundary conditions. Kodai Mathematical Journal, 2014, 37, .	0.3	20
14	Improvements and generalizations of results concerning attractionâ€repulsion chemotaxis models. Mathematical Methods in the Applied Sciences, 2022, 45, 11067-11078.	2.3	20
15	A singular elliptic problem related to the membrane equilibrium equations. International Journal of Computer Mathematics, 2013, 90, 2185-2196.	1.8	16
16	Global existence in a two-dimensional chemotaxis-consumption model with weakly singular sensitivity. Applied Mathematics Letters, 2019, 91, 121-127.	2.7	16
17	Boundedness criteria for a class of indirect (and direct) chemotaxis-consumption models in high dimensions. Applied Mathematics Letters, 2022, 132, 108108.	2.7	14
18	Boundedness in a fully parabolic chemotaxisâ€consumption system with nonlinear diffusion and sensitivity, and logistic source. Mathematische Nachrichten, 2018, 291, 2318-2333.	0.8	10

#	Article	IF	Citations
19	ESTIMATES FROM BELOW OF BLOW-UP TIME IN A PARABOLIC SYSTEM WITH GRADIENT TERM. International Journal of Pure and Applied Mathematics, 2014, 93, .	0.2	10
20	Influence of nonlinear production on the global solvability of an attractionâ€repulsion chemotaxis system. Mathematische Nachrichten, 2021, 294, 2441-2454.	0.8	9
21	Global in Time and Bounded Solutions to a Parabolicâ€“Elliptic Chemotaxis System with Nonlinear Diffusion and Signal-Dependent Sensitivity. Applied Mathematics and Optimization, 2021, 83, 979-1004.	1.6	7
22	Blow-up phenomena for nonlinear pseudo-parabolic equations with gradient term. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 2291-2300.	0.9	7
23	A refined criterion and lower bounds for the blow-up time in a parabolicâ€“elliptic chemotaxis system with nonlinear diffusion. Nonlinear Analysis: Theory, Methods & Applications, 2020, 195, 111725.	1.1	6
24	Problemas asociados al equilibrio en estructuras de membrana con bordes rÃgidos. Informes De La Construccion, 2009, 61, 57-66.	0.3	6
25	A mixed finite-element finite-difference method to solve the equilibrium equations of a prestressed membrane having boundary cables. International Journal of Computer Mathematics, 2017, 94, 933-945.	1.8	5
26	Mathematical modeling of heat treatment for a steering rack including mechanical effects. Journal of Numerical Mathematics, 2012, 20, .	3.5	4
27	Eventual smoothness and asymptotic behaviour of solutions to a chemotaxis system perturbed by a logistic growth. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 47-47.	0.9	4
28	Industrial Steel Heat Treating: Numerical Simulation of Induction Heating and Aquaquenching Cooling with Mechanical Effects. Mathematics, 2021, 9, 1203.	2.2	3
29	Explicit Blow-Up Time for Two Porous Medium Problems with Different Reaction Terms. SEMA SIMAI Springer Series, 2016, , 147-167.	0.7	2
30	Remarks on two connected papers about Kellerâ€“Segel systems with nonlinear production. Journal of Mathematical Analysis and Applications, 2021, 501, 125188.	1.0	2
31	Problemas asociados al equilibrio en estructuras de membrana con bordes rÃgidos y cables. Informes De La Construccion, 2011, 63, 49-57.	0.3	2
32	ComparaciÃ³n entre el anÃ¡lisis 2-D y el MÃ©todo de la Densidad de Fuerzas (discreto) para el equilibrio en estructuras de membrana. Informes De La Construccion, 2013, 65, 349-358.	0.3	2
33	Lower bounds for blow-up in a parabolic-parabolic Keller-Segel system. , 2015, , .		2
34	On explicit lower bounds and blow-up times in a model of chemotaxis. , 2015, , .		2
35	Steel heat treating: mathematical modelling and numerical simulation of a problem arising in the automotive industry. Advances in Science, Technology and Engineering Systems, 2017, 2, 55-62.	0.5	1