

# Giuseppe Coclite

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/487795/publications.pdf>

Version: 2024-02-01

126  
papers

2,153  
citations

331538

21  
h-index

289141

40  
g-index

128  
all docs

128  
docs citations

128  
times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Traffic Flow on a Road Network. SIAM Journal on Mathematical Analysis, 2005, 36, 1862-1886.	0.9	285
2	On the well-posedness of the Degasperis-Procesi equation. Journal of Functional Analysis, 2006, 233, 60-91.	0.7	184
3	Global Weak Solutions to a Generalized Hyperelastic-rod Wave Equation. SIAM Journal on Mathematical Analysis, 2005, 37, 1044-1069.	0.9	131
4	Wellposedness for a parabolic-elliptic system. Discrete and Continuous Dynamical Systems, 2005, 13, 659-682.	0.5	95
5	On the Boundary Control of Systems of Conservation Laws. SIAM Journal on Control and Optimization, 2002, 41, 607-622.	1.1	51
6	On the uniqueness of discontinuous solutions to the Degasperis-Procesi equation. Journal of Differential Equations, 2007, 234, 142-160.	1.1	45
7	Well-posedness of higher-order Camassa-Holm equations. Journal of Differential Equations, 2009, 246, 929-963.	1.1	42
8	Convergence of the Ostrovsky equation to the Ostrovsky-Hunter one. Journal of Differential Equations, 2014, 256, 3245-3277.	1.1	40
9	Numerical schemes for computing discontinuous solutions of the Degasperis-Procesi equation. IMA Journal of Numerical Analysis, 2007, 28, 80-105.	1.5	39
10	A Convergent Finite Difference Scheme for the Camassa-Holm Equation with General $H^1$ Initial Data. SIAM Journal on Numerical Analysis, 2008, 46, 1554-1579.	1.1	39
11	A Singular Limit Problem for Conservation Laws Related to the Camassa-Holm Shallow Water Equation. Communications in Partial Differential Equations, 2006, 31, 1253-1272.	1.0	37
12	Conservation Laws with Time Dependent Discontinuous Coefficients. SIAM Journal on Mathematical Analysis, 2005, 36, 1293-1309.	0.9	36
13	On the Attainable Set for Temple Class Systems with Boundary Controls. SIAM Journal on Control and Optimization, 2005, 43, 2166-2190.	1.1	34
14	Well-posedness results for the short pulse equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 1529-1557.	0.7	30
15	Dispersive and diffusive limits for Ostrovsky-Hunter type equations. Nonlinear Differential Equations and Applications, 2015, 22, 1733-1763.	0.4	30
16	Numerical methods for the nonlocal wave equation of the peridynamics. Applied Numerical Mathematics, 2020, 155, 119-139.	1.2	29
17	Stability of parabolic problems with nonlinear Wentzell boundary conditions. Journal of Differential Equations, 2009, 246, 2434-2447.	1.1	28
18	Initial-boundary value problems for conservation laws with source terms and the Degasperis-Procesi equation. Journal of Functional Analysis, 2009, 257, 3823-3857.	0.7	27

#	ARTICLE	IF	CITATIONS
19	Vanishing Viscosity for Traffic on Networks. <i>SIAM Journal on Mathematical Analysis</i> , 2010, 42, 1761-1783.	0.9	26
20	Continuous dependence on the boundary conditions for the Wentzell Laplacian. <i>Semigroup Forum</i> , 2008, 77, 101-108.	0.3	25
21	Periodic solutions of the Degasperis-Procesi equation: Well-posedness and asymptotics. <i>Journal of Functional Analysis</i> , 2015, 268, 1053-1077.	0.7	23
22	Oleinik type estimates for the Ostrovsky-Hunter equation. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 423, 162-190.	0.5	22
23	A Time-Dependent Optimal Harvesting Problem with Measure-Valued Solutions. <i>SIAM Journal on Control and Optimization</i> , 2017, 55, 913-935.	1.1	22
24	Wellposedness of a nonlinear peridynamic model. <i>Nonlinearity</i> , 2019, 32, 1-21.	0.6	22
25	Convergence of vanishing capillarity approximations for scalar conservation laws with discontinuous fluxes. <i>Networks and Heterogeneous Media</i> , 2013, 8, 969-984.	0.5	21
26	A multiplicity result for the Schrödinger-Maxwell equations with negative potential. <i>Annales Polonici Mathematici</i> , 2002, 79, 21-30.	0.2	21
27	Stability estimates for parabolic problems with Wentzell boundary conditions. <i>Journal of Differential Equations</i> , 2008, 245, 2595-2626.	1.1	19
28	VISCOSITY SOLUTIONS OF HAMILTON-JACOBI EQUATIONS WITH DISCONTINUOUS COEFFICIENTS. <i>Journal of Hyperbolic Differential Equations</i> , 2007, 04, 771-795.	0.3	18
29	Continuous dependence in hyperbolic problems with Wentzell boundary conditions. <i>Communications on Pure and Applied Analysis</i> , 2014, 13, 419-433.	0.4	18
30	On the solutions for an Ostrovsky type equation. <i>Nonlinear Analysis: Real World Applications</i> , 2020, 55, 103141.	0.9	18
31	Well-posedness of the Ostrovsky-Hunter Equation under the combined effects of dissipation and short-wave dispersion. <i>Journal of Evolution Equations</i> , 2016, 16, 365-389.	0.6	17
32	Well-posedness for vanishing viscosity solutions of scalar conservation laws on a network. <i>Discrete and Continuous Dynamical Systems</i> , 2017, 37, 5913-5942.	0.5	17
33	Convergence of an Engquist-Osher scheme for a multi-dimensional triangular system of conservation laws. <i>Mathematics of Computation</i> , 2010, 79, 71-71.	1.1	16
34	A Multidimensional Optimal-Harvesting Problem with Measure-Valued Solutions. <i>SIAM Journal on Control and Optimization</i> , 2013, 51, 1186-1202.	1.1	16
35	Analysis and numerical approximation of Brinkman regularization of two-phase flows in porous media. <i>Computational Geosciences</i> , 2014, 18, 637-659.	1.2	16
36	Well-posedness of bounded solutions of the non-homogeneous initial-boundary value problem for the Ostrovsky-Hunter equation. <i>Journal of Hyperbolic Differential Equations</i> , 2015, 12, 221-248.	0.3	16



#	ARTICLE	IF	CITATIONS
55	Nonlinear Waves in Adhesive Strings. SIAM Journal on Applied Mathematics, 2017, 77, 347-360.	0.8	11
56	Convergence of the regularized short pulse equation to the short pulse one. Mathematische Nachrichten, 2018, 291, 774-792.	0.4	11
57	On a salt fingers model. Nonlinear Analysis: Theory, Methods & Applications, 2018, 176, 100-116.	0.6	11
58	On the Well-Posedness of A High Order Convective Cahn-Hilliard Type Equations. Algorithms, 2020, 13, 170.	1.2	11
59	A singular limit problem for conservation laws related to the Kawahara-Korteweg-de Vries equation. Networks and Heterogeneous Media, 2016, 11, 281-300.	0.5	11
60	A singular limit problem for conservation laws related to the Rosenau-Korteweg-de Vries equation. Journal Des Mathematiques Pures Et Appliquees, 2017, 107, 315-335.	0.8	10
61	Discontinuous solutions for the generalized short pulse equation. Evolution Equations and Control Theory, 2019, 8, 737-753.	0.7	10
62	Conservation laws with singular nonlocal sources. Journal of Differential Equations, 2011, 250, 3831-3858.	1.1	9
63	A note on the Camassa-Holm equation. Journal of Differential Equations, 2015, 259, 2158-2166.	1.1	9
64	On a model for the evolution of morphogens in a growing tissue II: $\vec{\eta} = \log(2)$ case. Zeitschrift Fur Angewandte Mathematik Und Physik, 2017, 68, 1.	0.7	9
65	Adhesion and debonding in a model of elastic string. Computers and Mathematics With Applications, 2019, 78, 1897-1909.	1.4	9
66	Existence results for the Kudryashov-Sinelshchikov-Olver equation. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2021, 151, 425-450.	0.8	9
67	Well-posedness of the classical solutions for a Kawahara-Korteweg-de Vries-type equation. Journal of Evolution Equations, 2021, 21, 625-651.	0.6	9
68	On the initial-boundary value problem for a Kuramoto-Sinelshchikov type equation. Mathematics in Engineering, 2021, 3, 1-43.	0.5	9
69	On the convergence of the modified Rosenau and the modified Benjamin-Bona-Mahony equations. Computers and Mathematics With Applications, 2017, 74, 899-919.	1.4	8
70	A non-local elliptic-hyperbolic system related to the short pulse equation. Nonlinear Analysis: Theory, Methods & Applications, 2020, 190, 111606.	0.6	8
71	A Note on the Solutions for a Higher-Order Convective Cahn-Hilliard-Type Equation. Mathematics, 2020, 8, 1835.	1.1	8
72	Singular limits with vanishing viscosity for nonlocal conservation laws. Nonlinear Analysis: Theory, Methods & Applications, 2021, 211, 112370.	0.6	8

#	ARTICLE	IF	CITATIONS
73	On the boundary controllability of first-order hyperbolic systems. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2005, 63, e1955-e1966.	0.6	7
74	The Schrödinger–Maxwell system with Dirac mass. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2007, 24, 773-793.	0.7	7
75	Vanishing viscosity for mixed systems with moving boundaries. <i>Journal of Functional Analysis</i> , 2013, 264, 1664-1710.	0.7	7
76	On the well-posedness of the exp-Rabelo equation. <i>Annali Di Matematica Pura Ed Applicata</i> , 2016, 195, 923-933.	0.5	7
77	Well-posedness for a slow erosion model. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 456, 337-355.	0.5	7
78	A mathematical model for piracy control through police response. <i>Nonlinear Differential Equations and Applications</i> , 2017, 24, 1.	0.4	7
79	Well-posedness of the classical solution for the Kuramoto–Sivashinsky equation with anisotropy effects. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2021, 72, 1.	0.7	7
80	Some Results on the Boundary Control of Systems of Conservation Laws. , 2003, , 255-264.		7
81	Discontinuous solutions for the short-pulse master mode-locking equation. <i>AIMS Mathematics</i> , 2019, 4, 437-462.	0.7	7
82	H1-perturbations of Smooth Solutions for a Weakly Dissipative Hyperelastic-rod Wave Equation. <i>Mediterranean Journal of Mathematics</i> , 2006, 3, 419-432.	0.4	6
83	A singular limit problem for the Kudryashov-Sinelshchikov equation. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2017, 97, 1020-1033.	0.9	6
84	Capsules Rheology in Carreau–Yasuda Fluids. <i>Nanomaterials</i> , 2020, 10, 2190.	1.9	6
85	Well-posedness result for the Kuramoto–Velarde equation. <i>Bolletino Dell Unione Matematica Italiana</i> , 2021, 14, 659-679.	0.6	6
86	A note on the convergence of the solution of the high order Camassa-Holm equation to the entropy ones of a scalar conservation law. <i>Discrete and Continuous Dynamical Systems</i> , 2017, 37, 1247-1282.	0.5	6
87	Long time behavior of a model for the evolution of morphogens in a growing tissue. <i>SN Partial Differential Equations and Applications</i> , 2020, 1, 1.	0.3	5
88	Long time behavior of a model for the evolution of morphogens in a growing tissue II: $\int_{\Omega} \log \rho \, dx \geq 2 \log 2$ . <i>Journal of Differential Equations</i> , 2021, 272, 1015-1049.	1.1	5
89	Convergence of the Rosenau-Korteweg-de Vries Equation to the Korteweg-de Vries One. <i>Contemporary Mathematics</i> , 0, , .	0.4	5
90	Qualitative Aspects in Nonlocal Dynamics. <i>Journal of Peridynamics and Nonlocal Modeling</i> , 2023, 5, 1-19.	1.4	5

#	ARTICLE	IF	CITATIONS
91	A Convergent Difference Scheme for a Class of Partial Integro-Differential Equations Modeling Pricing under Uncertainty. <i>SIAM Journal on Numerical Analysis</i> , 2016, 54, 588-605.	1.1	4
92	A difference method for the McKean-Vlasov equation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2019, 70, 1.	0.7	4
93	On classical solutions for the fifth-order short pulse equation. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 8814-8837.	1.2	4
94	Stationary solutions for conservation laws with singular nonlocal sources. <i>Journal of Differential Equations</i> , 2010, 248, 229-251.	1.1	3
95	Vanishing Viscosity for Traffic on Networks with Degenerate Diffusivity. <i>Mediterranean Journal of Mathematics</i> , 2019, 16, 1.	0.4	3
96	Measure valued solutions for an optimal harvesting problem. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2020, 142, 204-228.	0.8	3
97	A PDE model for the spatial dynamics of a voles population structured in age. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2020, 196, 111805.	0.6	3
98	H4-Solutions for the Olver-Benney equation. <i>Annali Di Matematica Pura Ed Applicata</i> , 2021, 200, 1893-1933.	0.5	3
99	$H^1$ solutions for a Kuramoto-Sinelshchikov-Cahn-Hilliard type equation. <i>Ricerche Di Matematica</i> , 0, , 1.	0.6	3
100	On the classical solutions for a Rosenau-Korteweg-deVries-Kawahara type equation. <i>Asymptotic Analysis</i> , 2022, 129, 51-73.	0.2	3
101	The initial-boundary-value problem for an Ostrovsky-Hunter type equation. , 0, , 97-109.		3
102	Waves in Flexural Beams with Nonlinear Adhesive Interaction. <i>Milan Journal of Mathematics</i> , 2021, 89, 329-344.	0.7	3
103	The Gardner Equation in Elastodynamics. <i>SIAM Journal on Applied Mathematics</i> , 2021, 81, 2346-2361.	0.8	3
104	Up-wind difference approximation and singularity formation for a slow erosion model. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2020, 54, 465-492.	0.8	2
105	Regularity and energy transfer for a nonlinear beam equation. <i>Applied Mathematics Letters</i> , 2021, 115, 106959.	1.5	2
106	Global Weak Solutions for a Shallow Water Equation. , 2008, , 389-396.		2
107	Positive solutions of an integro-differential equation in all space with singular nonlinear term. <i>Discrete and Continuous Dynamical Systems</i> , 2008, 22, 885-907.	0.5	2
108	Optimal strategies for a time-dependent harvesting problem. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2018, 11, 865-900.	0.6	2

#	ARTICLE	IF	CITATIONS
109	A note on the non-homogeneous initial boundary problem for an Ostrovsky-Hunter type equation. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2018, .	0.6	2
110	An interior estimate for a nonlinear parabolic equation. <i>Journal of Mathematical Analysis and Applications</i> , 2003, 284, 49-63.	0.5	1
111	A note on convergence of the solutions of Benjaminâ€“Bonaâ€“Mahony type equations. <i>Nonlinear Analysis: Real World Applications</i> , 2018, 40, 64-81.	0.9	1
112	H1-Solutions for the Hele-Shaw Equation. <i>Vietnam Journal of Mathematics</i> , 2021, 49, 673-683.	0.4	1
113	An hyperbolic-parabolic predator-prey model involving a vole population structured in age. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 502, 125232.	0.5	1
114	Ground states of the SchrÃ¶dinger-Maxwell system with dirac mass: Existence and asymptotics. <i>Discrete and Continuous Dynamical Systems</i> , 2010, 27, 117-132.	0.5	1
115	Discontinuous solutions for the Degasperis-Procesi equation. , 2007, , .		1
116	A singular limit problem for the Ibragimov-Shabat equation. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2016, 9, 661-673.	0.6	1
117	On the solutions for a Benney-Lin type equation. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2022, .	0.5	1
118	Hamiltonian Approximation of Entropy Solutions of the Burgers Equation. <i>Series in Contemporary Applied Mathematics</i> , 2012, , 160-171.	0.8	0
119	A note on positive solutions for conservation laws with singular source. <i>Proceedings of the American Mathematical Society</i> , 2012, 141, 1613-1625.	0.4	0
120	A convergent finite difference scheme for the variational heat equation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2017, 68, 1.	0.7	0
121	Well-posedness of the Initial Value Problem for the Ostrovskyâ€“Hunter Equation with Spatially Dependent Flux. <i>Milan Journal of Mathematics</i> , 2019, 87, 283-301.	0.7	0
122	Singular diffusion with Neumann boundary conditions. <i>Nonlinearity</i> , 2021, 34, 1633-1662.	0.6	0
123	Singularity Formation in the Inviscid Burgers Equation. <i>Symmetry</i> , 2021, 13, 848.	1.1	0
124	A SEMIGROUP OF SOLUTIONS FOR THE DEGASPERIS-PROCESI EQUATION. , 2006, , .		0
125	Existence of Global Weak Solutions to a Generalized Hyperelastic-Rod Wave Equation with Source. <i>Springer INdAM Series</i> , 2014, , 23-47.	0.4	0
126	Smoothing Effect of Degenerate Diffusion. <i>Acta Applicandae Mathematicae</i> , 2021, 171, 1.	0.5	0