

Giuseppe Gaeta

List of Publications by Year in descending order

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59
papers

1,134
citations

430874

18
h-index

501196

28
g-index

64
all docs

64
docs citations

64
times ranked

401
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymptotic symmetry and asymptotic solutions to Ito stochastic differential equations. Mathematics in Engineering, 2022, 4, 1-52.	0.9	2
2	Mass vaccination in a roaring pandemic. Chaos, Solitons and Fractals, 2022, 156, 111786.	5.1	1
3	A simple SIR model with a large set of asymptomatic infectives. Mathematics in Engineering, 2021, 3, 1-39.	0.9	46
4	Social distancing versus early detection and contacts tracing in epidemic management. Chaos, Solitons and Fractals, 2020, 140, 110074.	5.1	14
5	Size and timescale of epidemics in the SIR framework. Physica D: Nonlinear Phenomena, 2020, 411, 132626.	2.8	35
6	Symmetry classification of scalar Ito equations with multiplicative noise. Journal of Nonlinear Mathematical Physics, 2020, 27, 679.	1.3	2
7	Symmetry Analysis of the Stochastic Logistic Equation. Symmetry, 2020, 12, 973.	2.2	1
8	On the geometry of twisted symmetries: Gauging and coverings. Journal of Geometry and Physics, 2020, 151, 103620.	1.4	0
9	W-symmetries of Ito stochastic differential equations. Journal of Mathematical Physics, 2019, 60, 053501.	1.1	11
10	Integration of the stochastic logistic equation via symmetry analysis. Journal of Nonlinear Mathematical Physics, 2019, 26, 454.	1.3	5
11	The Symmetries of Octupolar Tensors. Journal of Elasticity, 2019, 135, 295-350.	1.9	5
12	Symmetry and integrability for stochastic differential equations. Journal of Nonlinear Mathematical Physics, 2018, 25, 262.	1.3	13
13	Random Lie-point symmetries of stochastic differential equations. Journal of Mathematical Physics, 2017, 58, .	1.1	18
14	Symmetry of stochastic non-variational differential equations. Physics Reports, 2017, 686, 1-62.	25.6	23
15	Canonical transformations for hyperhamiltonian dynamics in Euclidean spaces. Journal of Geometry and Physics, 2017, 113, 38-52.	1.4	0
16	On Lie-point symmetries for Ito stochastic differential equations. Journal of Nonlinear Mathematical Physics, 2017, 24, 90.	1.3	13
17	Octupolar order in three dimensions. European Physical Journal E, 2016, 39, 113.	1.6	28
18	Structure preserving transformations in hyperkähler Euclidean spaces. Journal of Geometry and Physics, 2016, 100, 33-51.	1.4	2

#	ARTICLE	IF	CITATIONS
19	Speed selection for coupled wave equations. <i>Journal of Nonlinear Mathematical Physics</i> , 2015, 22, 275.	1.3	2
20	Symmetry and quaternionic integrable systems. <i>Journal of Geometry and Physics</i> , 2015, 87, 134-148.	1.4	3
21	Canonical transformations for hyperkahler structures and hyperhamiltonian dynamics. <i>Journal of Mathematical Physics</i> , 2014, 55, 052901.	1.1	3
22	Simple and collective twisted symmetries. <i>Journal of Nonlinear Mathematical Physics</i> , 2014, 21, 593.	1.3	7
23	Dynamical systems and \mathbb{F} -symmetries. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 235204.	2.1	9
24	A generalization of \mathbb{F} -symmetry reduction for systems of ODEs: \mathbb{F} -symmetries. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 355205.	2.1	17
25	Hyperkahler Structure of the Taub-NUT Metric. <i>Journal of Nonlinear Mathematical Physics</i> , 2012, 19, 226.	1.3	6
26	A minimal model of DNA dynamics in interaction with RNA-Polymerase. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 1805-1817.	2.8	21
27	Quaternionic Integrability. <i>Journal of Nonlinear Mathematical Physics</i> , 2011, 18, 461.	1.3	3
28	Gauge fixing and twisted prolongations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 325203.	2.1	3
29	Propagation of Twist Solitons in Fully Inhomogeneous DNA Chains. <i>Journal of Nonlinear Mathematical Physics</i> , 2010, 17, 557.	1.3	16
30	A gauge-theoretic description of \mathbb{F} -prolongations, and \mathbb{F} -symmetries of differential equations. <i>Journal of Geometry and Physics</i> , 2009, 59, 519-539.	1.4	19
31	Twisted Symmetries of Differential Equations. <i>Journal of Nonlinear Mathematical Physics</i> , 2009, 16, 107.	1.3	25
32	Reduction and reconstruction for symmetric ordinary differential equations. <i>Journal of Differential Equations</i> , 2008, 244, 1810-1839.	2.2	12
33	Twist solitons in complex macromolecules: From DNA to polyethylene. <i>International Journal of Non-Linear Mechanics</i> , 2008, 43, 1094-1107.	2.6	15
34	On the physical applications of hyper-Hamiltonian dynamics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 175203.	2.1	5
35	A symmetry breaking mechanism for selecting the speed of relativistic solitons. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 8517-8534.	2.1	9
36	Composite model for DNA torsion dynamics. <i>Physical Review E</i> , 2007, 75, 021919.	2.1	36

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37	SMOOTH CHANGES OF FRAME AND PROLONGATIONS OF VECTOR FIELDS. International Journal of Geometric Methods in Modern Physics, 2007, 04, 807-827.	2.0	8
38	Embedding and splitting ordinary differential equations in normal form. Journal of Differential Equations, 2006, 224, 98-119.	2.2	15
39	ASYMPTOTIC SCALING SYMMETRIES FOR NONLINEAR PDES. International Journal of Geometric Methods in Modern Physics, 2005, 02, 1081-1114.	2.0	9
40	Asymptotic Scaling in a Model Class of Anomalous Reaction-Diffusion Equations. Journal of Nonlinear Mathematical Physics, 2005, 12, 550.	1.3	15
41	Dimension Increase and Splitting for Poincaré-Dulac Normal Forms. Journal of Nonlinear Mathematical Physics, 2005, 12, 327.	1.3	10
42	On the geometry of lambda-symmetries and PDE reduction. Journal of Physics A, 2004, 37, 6955-6975.	1.6	60
43	On the relation between standard and \hat{A} -symmetries for PDEs. Journal of Physics A, 2004, 37, 9467-9486.	1.6	43
44	Hyper-Hamiltonian dynamics. Journal of Physics A, 2002, 35, 3925-3943.	1.6	15
45	Poincaré Normal and Renormalized Forms. Acta Applicandae Mathematicae, 2002, 70, 113-131.	1.0	32
46	Partial Lie-point symmetries of differential equations. Journal of Physics A, 2001, 34, 491-512.	1.6	33
47	Lie-point symmetries and stochastic differential equations: II. Journal of Physics A, 2000, 33, 4883-4902.	1.6	27
48	Symmetry and Perturbation Theory. , 2000, , .		78
49	Lie-point symmetries and stochastic differential equations. Journal of Physics A, 1999, 32, 8485-8505.	1.6	60
50	Normal forms, symmetry and linearization of dynamical systems. Journal of Physics A, 1998, 31, 5065-5082.	1.6	29
51	Lie-point symmetries and nonlinear dynamical systems. Mathematical and Computer Modelling, 1997, 25, 101-113.	2.0	3
52	Discrete symmetries of differential equations. Journal of Physics A, 1996, 29, 859-880.	1.6	9
53	Non-perturbative linearization of dynamical systems. Journal of Physics A, 1996, 29, 5035-5048.	1.6	10
54	Asymptotic symmetries and asymptotically symmetric solutions of partial differential equations. Journal of Physics A, 1994, 27, 437-451.	1.6	12

#	ARTICLE	IF	CITATIONS
55	Poincare normal forms and Lie point symmetries. Journal of Physics A, 1994, 27, 461-476.	1.6	19
56	Symmetry invariance and centre manifolds for dynamical systems. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1994, 109, 59-76.	0.2	13
57	Simple models of non-linearDNA dynamics. Rivista Del Nuovo Cimento, 1994, 17, 1-48.	5.7	94
58	Normal forms and nonlinear symmetries. Journal of Physics A, 1994, 27, 7115-7124.	1.6	21
59	Nonlinear Symmetries and Nonlinear Equations. , 1994, , .		81