Sara Lombardo

List of Publications by Year
in descending order

21 papers	799 citations	933447 10 h-index	888059 17 g-index
21 all docs	21 docs citations	21 times ranked	369 citing authors

#	Article	IF	Citations
1	Vector Rogue Waves and Baseband Modulation Instability in the Defocusing Regime. Physical Review Letters, 2014, 113, 034101.	7.8	302
2	Rogue Waves Emerging from the Resonant Interaction of Three Waves. Physical Review Letters, 2013, 111, 114101.	7.8	189
3	Rational solitons of wave resonant-interaction models. Physical Review E, 2013, 88, 052914.	2.1	126
4	Exact solutions of the 3-wave resonant interaction equation. Physica D: Nonlinear Phenomena, 2006, 214, 157-168.	2.8	26
5	Complexity analysis of sleep and alterations with insomnia based on non-invasive techniques. Journal of the Royal Society Interface, 2014, 11, 20131112.	3.4	23
6	Rogue Wave Type Solutions and Spectra of Coupled Nonlinear Schrödinger Equations. Fluids, 2019, 4, 57.	1.7	23
7	Integrability and Linear Stability of Nonlinear Waves. Journal of Nonlinear Science, 2018, 28, 1251-1291.	2.1	21
8	On the Classification of Automorphic Lie Algebras. Communications in Mathematical Physics, 2010, 299, 793-824.	2.2	20
9	The Three-Wave Resonant Interaction Equations: Spectral and Numerical Methods. Letters in Mathematical Physics, 2011, 96, 367-403.	1.1	15
10	Integrability in Action: Solitons, Instability and Rogue Waves. Lecture Notes in Physics, 2016, , 23-53.	0.7	15
11	Aortic stenosis post-COVID-19: a mathematical model on waiting lists and mortality. BMJ Open, 2022, 12, e059309.	1.9	9
12	Higher-Dimensional Automorphic Lie Algebras. Foundations of Computational Mathematics, 2017, 17, 987-1035.	2.5	7
13	A new integrable model of long wave–short wave interaction and linear stability spectra. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20210408.	2.1	7
14	Integrability and nonlinear phenomena. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 430301.	2.1	6
15	Coupled nonlinear Schrödinger equations: spectra and instabilities of plane waves. , 2019, , 206-248.		3
16	Periodic and Solitary Wave Solutions of the Long Wave–Short Wave Yajima–Oikawa–Newell Model. Fluids, 2022, 7, 227.	1.7	3
17	Hereditary automorphic Lie algebras. Communications in Contemporary Mathematics, 2020, 22, 1950076.	1.2	2
18	Automorphic Lie Algebras and Modular Forms. International Mathematics Research Notices, 2023, 2023, 5209-5262.	1.0	2

#	Article	IF	Citations
19	Frequency Conversion Based on Three-Wave Parametric Solitons. , 2010, , .		0
20	Nonlinear phenomena, optical and quantum solitons. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1115-1117.	3.4	0
21	Vector Rogue Waves and Modulation Instability in the Defocusing Regime. , 2014, , .		0