Alessandra Feo

List of Publications by Year
in descending order

54 papers	802 citations	471371 17 h-index	526166 27 g-index
54 all docs	54 docs citations	54 times ranked	851 citing authors

#	Article	IF	Citations
1	Investigating the migration of immiscible contaminant fluid flow in homogeneous and heterogeneous aquifers with high-precision numerical simulations. PLoS ONE, 2022, 17, e0266486.	1.1	4
2	Groundwater Modelling in Karst Areas. Water (Switzerland), 2021, 13, 854.	1.2	4
3	High-resolution shock-capturing numerical simulations of three-phase immiscible fluids from the unsaturated to the saturated zone. Scientific Reports, 2021, 11, 5212.	1.6	5
4	Numerical-relativity simulations of long-lived remnants of binary neutron star mergers. Physical Review D, 2020, 101, .	1.6	27
5	Integrating Hydrogeological and Microbiological Data and Modelling to Characterize the Hydraulic Features and Behaviour of Coastal Carbonate Aquifers: A Case in Western Cuba. Water (Switzerland), 2019, 11, 1989.	1.2	13
6	Merger of Compact Stars in the Two-families Scenario. Astrophysical Journal, 2019, 881, 122.	1.6	42
7	Analysis of the Saltwater Wedge in a Coastal Karst Aquifer with a Double Conduit Network, Numerical Simulations and Sensitivity Analysis. Water (Switzerland), 2019, 11, 2311.	1.2	6
8	Groundwater characterization from an ecological and human perspective: an interdisciplinary approach in the Functional Urban Area of Parma, Italy. Rendiconti Lincei, 2019, 30, 93-108.	1.0	18
9	A Python Script to Compute Isochrones for MODFLOW. Ground Water, 2018, 56, 343-349.	0.7	5
10	Convective Excitation of Inertial Modes in Binary Neutron Star Mergers. Physical Review Letters, 2018, 120, 221101.	2.9	27
11	A multidisciplinary procedure to evaluate and optimize the efficacy of hydraulic barriers in contaminated sites: a case study in Northern Italy. Environmental Earth Sciences, 2018, 77, 1.	1.3	9
12	Modeling mergers of known galactic systems of binary neutron stars. Classical and Quantum Gravity, 2017, 34, 034001.	1.5	14
13	Spectral analysis of gravitational waves from binary neutron star merger remnants. Physical Review D, 2017, 96, .	1.6	31
14	Binary neutron star merger simulations with different initial orbital frequency and equation of state. Classical and Quantum Gravity, 2016, 33, 175009.	1.5	26
15	Modeling equal and unequal mass binary neutron star mergers using public codes. Physical Review D, 2016, 93, .	1.6	40
16	Stiffness effects on the dynamics of the bar-mode instability of neutron stars in full general relativity. Physical Review D, 2015, 91, .	1.6	16
17	Neutron star instabilities in full general relativity using a $\Gamma = 2.75$ ideal fluid. Physical Review D, 2014, 90, .	1.6	12
18	Two-loop Wess-Zumino model with exact supersymmetry on the lattice. Physical Review D, 2013, 88, .	1.6	2

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19	Thermodynamics of SU(N) Yang-Mills theories in 2 + 1 dimensions II â€" The deconfined phase. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
20	Universal signatures of the effective string in finite temperature lattice gauge theories. Journal of High Energy Physics, 2011, 2011, 1.	1.6	15
21	Thermodynamics of SU(N) Yang-Mills theories in 2â€°+â€°1 dimensions I â€" The confining phase. Journal of High Energy Physics, 2011, 2011, 1.	1.6	33
22	Species doublers as super multiplets in lattice supersymmetry: exact supersymmetry with interactions for D = 1 N = 2. Journal of High Energy Physics, 2010, 2010, 1.	1.6	8
23	MATRIX FORMULATION OF SUPERSPACE ON 1D LATTICE WITH TWO SUPERCHARGES. International Journal of Modern Physics A, 2009, 24, 4737-4768.	0.5	7
24	Evidence for a floating phase of the transverse ANNNI model at high frustration. Physical Review B, 2007, 76, .	1.1	32
25	A model for QCD at high density and large quark mass. Physical Review D, 2007, 76, .	1.6	29
26	Exact Ward-Takahashi identity for the lattice $N= 1$ Wess-Zumino model. Journal of Physics: Conference Series, 2006, 33, 405-410.	0.3	0
27	Critical behaviour in a non-local interface model. Journal of Physics A, 2006, 39, 2909-2920.	1.6	0
28	Density-matrix renormalization-group study of the disorder line in the quantum axial next-nearest-neighbor Ising model. Physical Review B, 2006, 73, .	1.1	31
29	Exact supersymmetry on the lattice: the Wess-Zumino model. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 766-768.	0.5	3
30	Study of dynamical supersymmetry breaking for the two dimensional lattice Wess-Zumino model. AIP Conference Proceedings, 2005, , .	0.3	0
31	Exact lattice Ward-Takahashi identity for the $N=1$ Wess-Zumino model. Physical Review D, 2005, 71, .	1.6	13
32	Dynamical supersymmetry breaking and phase diagram of the lattice Wess-Zumino model. , 2005, , .		0
33	Wess-Zumino model with exact supersymmetry on the lattice. Journal of High Energy Physics, 2004, 2004, 011-011.	1.6	25
34	Phase diagram of the lattice Wess-Zumino model from rigorous lower bounds on the energy. Physical Review D, 2004, 70, .	1.6	15
35	Supersymmetric Ward-Takahashi identity in one-loop lattice perturbation theory: General procedure. Physical Review D, 2004, 70, .	1.6	8
36	Supersymmetry breaking in two dimensions: The lattice $N=1$ Wess-Zumino model. Physical Review D, 2004, 69, .	1.6	20

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37	PREDICTIONS AND RECENT RESULTS IN SUSY ON THE LATTICE. Modern Physics Letters A, 2004, 19, 2387-2402.	0.5	44
38	Non-perturbative study of QCD on a 2 + 2 anisotropic lattice. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 396-398.	0.5	2
39	The 2 + 2 anisotropic Wilson gluon action with applications. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 393-395.	0.5	1
40	The two-dimensional Wess-Zumino model in the Hamiltonian lattice formulation. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 874-876.	0.5	1
41	Supersymmetry on the lattice. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 198-209.	0.5	57
42	QCD on 2 + 2 anisotropic lattices. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 458-460.	0.5	1
43	A hamiltonian lattice study of the two-dimensional Wess-Zumino model. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 891-893.	0.5	4
44	Gauge theories on a 2+2 anisotropic lattice. Physical Review D, 2003, 67, .	1.6	13
45	Hamiltonian Monte Carlo simulation of the two-dimensional Wess-Zumino model. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 944-946.	0.5	7
46	Lattice supersymmetric ward identities. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 938-940.	0.5	4
47	SUSY Ward identities in 1-loop perturbation theory. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 941-943.	0.5	6
48	SUSY Ward identities in N=1 SYM theory on the lattice. Nuclear Physics, Section B, Proceedings Supplements, 2001, 94, 787-790.	0.5	6
49	On the 1-loop lattice perturbation theory of the supersymmetric ward identities. Nuclear Physics, Section B, Proceedings Supplements, 2001, 94, 791-794.	0.5	4
50	Numerical simulations of dynamical gluinos in SU (3) Yang-Mills theory: first results. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 661-663.	0.5	3
51	Low-energy features of SU(2) Yang-Mills theory with light gluinos. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 670-672.	0.5	6
52	Deconfinement phase transition in one-flavor QCD. Physical Review D, 1999, 60, .	1.6	54
53	One-flavour QCD at finite temperature. Nuclear Physics, Section B, Proceedings Supplements, 1998, 63, 406-408.	0.5	11
54	Thermodynamics of 1-flavor QCD. Nuclear Physics, Section B, Proceedings Supplements, 1997, 53, 435-437.	0.5	4