

Fedele Lizzi

List of Publications by Year in descending order

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114
papers

2,116
citations

279798

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41
g-index

115
all docs

115
docs citations

115
times ranked

671
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Spacetime, Noncommutative Geometry and Observers. Universe, 2022, 8, 24.	2.5	0
2	The Weyl-Mellin quantization map. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	2.0	0
3	Double quantization. Physical Review D, 2022, 105, .	4.7	8
4	Tolerance relations and quantization. Letters in Mathematical Physics, 2022, 112, .	1.1	0
5	Missing the point in noncommutative geometry. Synthèse, 2021, 199, 4695-4728.	1.1	1
6	$\hat{\mathbb{R}}^q$ -Poincaré comodules, braided tensor products, and noncommutative quantum field theory. Physical Review D, 2021, 103, .	4.7	9
7	Time discretization from noncommutativity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136372.	4.1	12
8	The momentum spaces of $\hat{\mathbb{R}}^q$ -Minkowski noncommutative spacetime. Nuclear Physics B, 2020, 958, 115117.	2.5	16
9	Asymptotic commutativity of quantized spaces: The case of $CP_{p,q}$. Physical Review D, 2020, 102, .	4.7	1
10	Localizability in $\hat{\mathbb{R}}^q$ -Minkowski spacetime. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2040010.	2.0	10
11	Spectral Noncommutative Geometry Standard Model and all that. International Journal of Modern Physics A, 2019, 34, 1930010.	1.5	9
12	Localization and reference frames in $\hat{\mathbb{R}}^q$ -Minkowski spacetime. Physical Review D, 2019, 99, .	4.7	22
13	Dimensional Deception for the Noncommutative Torus. Springer Proceedings in Physics, 2019, , 243-257.	0.2	0
14	Lorentz signature and twisted spectral triples. Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
15	Entangled scent of a charge. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
16	Noncommutative field theory from angular twist. Physical Review D, 2018, 98, .	4.7	21
17	Clifford structures in noncommutative geometry and the extended scalar sector. Physical Review D, 2018, 97, .	4.7	3
18	The Kirillov picture for the Wigner particle. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 255203.	2.1	5

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19	Equations of motion as constraints: superselection rules, Ward identities. Journal of High Energy Physics, 2017, 2017, 1.	4.7	20
20	Dimensional deception from noncommutative tori: An alternative to the Horava-Lifshitz model. Physical Review D, 2017, 96, .	4.7	3
21	Effective cosmological constant induced by stochastic fluctuations of Newton's constant. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 498-501.	4.1	6
22	Wick rotation and fermion doubling in noncommutative geometry. Physical Review D, 2016, 94, .	4.7	19
23	Green's functions for translation invariant star products. Modern Physics Letters A, 2015, 30, 1550194.	1.2	1
24	Inconstant Planck's constant. International Journal of Modern Physics A, 2015, 30, 1550209.	1.5	21
25	Spectral action with zeta function regularization. Physical Review D, 2015, 91, .	4.7	15
26	Unification of coupling constants, dimension 6 operators and the spectral action. International Journal of Modern Physics A, 2015, 30, 1550033.	1.5	7
27	Matrix geometries emergent from a point. Reviews in Mathematical Physics, 2014, 26, 1450017.	1.7	0
28	Universal Landau Pole at the Planck scale. , 2014, , .		0
29	Higgs mass in noncommutative geometry. Fortschritte Der Physik, 2014, 62, 863-868.	4.4	23
30	High energy bosons do not propagate. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 311-315.	4.1	25
31	Grand symmetry, spectral action and the Higgs mass. Journal of High Energy Physics, 2014, 2014, 1.	4.7	50
32	Spectral geometry with a cut-off: Topological and metric aspects. Journal of Geometry and Physics, 2014, 82, 18-45.	1.4	20
33	Metric Properties of the Fuzzy Sphere. Letters in Mathematical Physics, 2013, 103, 183-205.	1.1	18
34	Universal Landau Pole. Physical Review Letters, 2013, 111, 011601.	7.8	8
35	NONCOMMUTATIVE FIELD THEORY: NUMERICAL ANALYSIS WITH THE FUZZY DISK. International Journal of Modern Physics A, 2012, 27, 1250137.	1.5	22
36	GAUGE AND POINCARÉ INVARIANT REGULARIZATION AND HOPF SYMMETRIES. Modern Physics Letters A, 2012, 27, 1250097.	1.2	9

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37	HIGGS-DILATON LAGRANGIAN FROM SPECTRAL REGULARIZATION. <i>Modern Physics Letters A</i> , 2012, 27, 1250203.	1.2	10
38	Gauge symmetry breaking in matrix models. <i>General Relativity and Gravitation</i> , 2011, 43, 2531-2539.	2.0	0
39	Spectral action, Weyl anomaly and the Higgs-dilaton potential. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	14
40	Bosonic spectral action induced from anomaly cancellation. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	16
41	Star-product in the presence of a monopole. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 3614-3618.	2.1	10
42	Noncommutative gauge theory and symmetry breaking in matrix models. <i>Physical Review D</i> , 2010, 81, .	4.7	20
43	Translation invariance, commutation relations and ultraviolet/infrared mixing. <i>Journal of High Energy Physics</i> , 2009, 2009, 054-054.	4.7	25
44	Matrix Models, Emergent Spacetime and Symmetry Breaking. , 2009, , .		0
45	Noncommutative Spacetimes. <i>Lecture Notes in Physics</i> , 2009, , .	0.7	70
46	Twisted noncommutative field theory with the Wick-Voros and Moyal products. <i>Physical Review D</i> , 2008, 78, .	4.7	46
47	NONCOMMUTATIVE CONFORMAL FIELD THEORY IN THE TWIST-DEFORMED CONTEXT. <i>Modern Physics Letters A</i> , 2008, 23, 3307-3315.	1.2	3
48	Twisting all the way: From classical mechanics to quantum fields. <i>Physical Review D</i> , 2008, 77, .	4.7	70
49	INTERNAL SPACE FOR THE NONCOMMUTATIVE GEOMETRY STANDARD MODEL AND STRINGS. <i>International Journal of Modern Physics A</i> , 2007, 22, 1317-1334.	1.5	4
50	Twisted conformal symmetry in noncommutative two-dimensional quantum field theory. <i>Physical Review D</i> , 2006, 73, .	4.7	26
51	Noncommutative spacetime symmetries: Twist versus covariance. <i>Physical Review D</i> , 2006, 74, .	4.7	25
52	The fuzzy disc: a review. <i>Journal of Physics: Conference Series</i> , 2006, 53, 830-842.	0.4	17
53	Publisher's Note: Noncommutative spacetime symmetries: Twist versus covariance [Phys. Rev. D74, 025014 (2006)]. <i>Physical Review D</i> , 2006, 74, .	4.7	4
54	The beat of a fuzzy drum: fuzzy Bessel functions for the disc. <i>Journal of High Energy Physics</i> , 2005, 2005, 080-080.	4.7	15

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55	On the absence of continuous symmetries for noncommutative 3-spheres. <i>Journal of Mathematical Physics</i> , 2005, 46, 1035-16.	1.1	1
56	A new matrix model for noncommutative field theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 578, 449-458.	4.1	4
57	Matrix Quantum Mechanics and Soliton Regularization of Noncommutative Field Theory. <i>Advances in Theoretical and Mathematical Physics</i> , 2004, 8, 1-82.	0.6	10
58	Noncommutative Torus. , 2004, , 272-272.		0
59	From the fuzzy disc to edge currents in Chern-Simons Theory. <i>Modern Physics Letters A</i> , 2003, 18, 2381-2387.	1.2	15
60	The fuzzy disc. <i>Journal of High Energy Physics</i> , 2003, 2003, 057-057.	4.7	33
61	GENERALIZED WEYL SYSTEMS AND $\hat{1}^p$ -MINKOWSKI SPACE. <i>Modern Physics Letters A</i> , 2002, 17, 2105-2126.	1.2	45
62	Infinitely many star products to play with. <i>Journal of High Energy Physics</i> , 2002, 2002, 026-026.	4.7	74
63	Cosmological perturbations and short distance physics from Noncommutative Geometry. <i>Journal of High Energy Physics</i> , 2002, 2002, 049-049.	4.7	122
64	Noncommutative geometry in physics: A point of view. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2002, 104, 143-149.	0.4	4
65	NC Geometry of Strings and Duality Symmetry. <i>Lecture Notes in Physics</i> , 2002, , 325-337.	0.7	0
66	From Large N Matrices to the Noncommutative Torus. <i>Communications in Mathematical Physics</i> , 2001, 217, 181-201.	2.2	34
67	ANOTHER ALTERNATIVE TO COMPACTIFICATION: NONCOMMUTATIVE GEOMETRY AND RANDALL'S "SUNDRUM MODELS. <i>Modern Physics Letters A</i> , 2001, 16, 1-8.	1.2	19
68	Geometry of the gauge algebra in noncommutative Yang-Mills theory. <i>Journal of High Energy Physics</i> , 2001, 2001, 032-032.	4.7	44
69	NONCOMMUTATIVE GEOMETRY, STRINGS AND DUALITY. <i>International Journal of Modern Physics B</i> , 2000, 14, 2383-2396.	2.0	2
70	STRINGS, NONCOMMUTATIVE GEOMETRY AND THE SIZE OF THE TARGET SPACE. <i>International Journal of Modern Physics A</i> , 1999, 14, 4501-4517.	1.5	4
71	Noncommutative geometry and spacetime gauge symmetries of string theory. <i>Chaos, Solitons and Fractals</i> , 1999, 10, 445-458.	5.1	15
72	String Geometry and the Noncommutative Torus. <i>Communications in Mathematical Physics</i> , 1999, 206, 603-637.	2.2	47

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73	Electric-magnetic duality in noncommutative geometry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 417, 303-311.	4.1	3
74	Duality Symmetries and Noncommutative Geometry of String Spacetimes. Communications in Mathematical Physics, 1998, 197, 667-712.	2.2	26
75	Lattice gauge fields and noncommutative geometry. Journal of Geometry and Physics, 1998, 24, 353-385.	1.4	9
76	A nonperturbative form of the spectral action principle in noncommutative geometry. Journal of Geometry and Physics, 1998, 26, 329-339.	1.4	12
77	MIRROR FERMIONS IN NONCOMMUTATIVE GEOMETRY. Modern Physics Letters A, 1998, 13, 231-237.	1.2	11
78	MATRIX ĩf-MODELS FOR MULTI D-BRANE DYNAMICS. Modern Physics Letters A, 1998, 13, 829-842.	1.2	12
79	Target Space Duality in Noncommutative Geometry. Physical Review Letters, 1997, 79, 3581-3584.	7.8	14
80	Quantum phase space from string solitons. Physical Review D, 1997, 55, 7859-7871.	4.7	12
81	Fermion Hilbert space and fermion doubling in the noncommutative geometry approach to gauge theories. Physical Review D, 1997, 55, 6357-6366.	4.7	62
82	Noncommutative lattices as finite approximations. Journal of Geometry and Physics, 1996, 18, 163-194.	1.4	19
83	Lattices and their continuum limits. Journal of Geometry and Physics, 1996, 20, 318-328.	1.4	6
84	Noncommutative lattices and their continuum limits. Journal of Geometry and Physics, 1996, 20, 329-348.	1.4	6
85	INFLATIONARY COSMOLOGY FROM NONCOMMUTATIVE GEOMETRY. International Journal of Modern Physics A, 1996, 11, 2907-2929.	1.5	16
86	CONSTRAINTS ON UNIFIED GAUGE THEORIES FROM NONCOMMUTATIVE GEOMETRY. Modern Physics Letters A, 1996, 11, 2561-2572.	1.2	24
87	Finite quantum physics and noncommutative geometry. Nuclear Physics, Section B, Proceedings Supplements, 1995, 37, 20-45.	0.4	13
88	THE ZERO TENSION LIMIT OF THE VIRASORO ALGEBRA AND THE CENTRAL EXTENSION. Modern Physics Letters A, 1994, 09, 1495-1500.	1.2	7
89	Eikonal type equations for geometrical singularities of solutions in field theory. Journal of Geometry and Physics, 1994, 14, 211-235.	1.4	13
90	Distances on a lattice from non-commutative geometry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 341, 139-146.	4.1	27

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91	DYNAMICAL ASPECTS OF LIE-POISSON STRUCTURES. <i>Modern Physics Letters A</i> , 1993, 08, 2973-2987.	1.2	7
92	A DYNAMICAL MODEL OF THE BEHAVIOR OF HADRONIC AND FUNDAMENTAL STRINGS AT FINITE DENSITIES. <i>International Journal of Modern Physics A</i> , 1992, 07, 7787-7814.	1.5	1
93	The nucleation model of the Hagedorn phase transition. <i>Nuclear Physics B</i> , 1991, 359, 441-482.	2.5	12
94	A model of interacting strings and the Hagedorn phase transition. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 244, 27-32.	4.1	16
95	Total interaction rate of highly excited strings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 246, 385-390.	4.1	7
96	THE SPACE OF STRING CONFIGURATIONS IN STRING FIELD THEORY. <i>International Journal of Modern Physics A</i> , 1990, 05, 1911-1918.	1.5	1
97	STRING FIELDS AS LIMIT OF FUNCTIONS AND SURFACE TERMS IN STRING FIELD THEORY. <i>International Journal of Modern Physics A</i> , 1989, 04, 451-466.	1.5	1
98	Statistical mechanics of null strings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 232, 311-316.	4.1	7
99	Vertices in the discretized approach to string field theory. <i>Nuclear Physics B</i> , 1989, 319, 211-238.	2.5	2
100	Computation of Amplitudes in the Discretized Approach to String Field Theory. <i>Physical Review Letters</i> , 1988, 61, 278-281.	7.8	7
101	Topological aspects of string theories. <i>Nuclear Physics B</i> , 1987, 287, 508-550.	2.5	10
102	Space dimensions from supersymmetry for the N=2 spinning string: A four-dimensional model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 191, 85-90.	4.1	36
103	\hat{I} -vacua, fermions from bosons, solitons and Wess-Zumino terms in string models. <i>Nuclear Physics B</i> , 1986, 263, 608-620.	2.5	29
104	A new approach to strings and superstrings. <i>Nuclear Physics B</i> , 1986, 277, 359-387.	2.5	18
105	Quantization of the null string and absence of critical dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 182, 326-330.	4.1	80
106	Linearly rising Regge trajectories and bag and string models for hadrons. <i>Physical Review D</i> , 1985, 31, 1685-1688.	4.7	16
107	Multibaryons in Skyrme and quark models. <i>Physical Review D</i> , 1985, 31, 226-228.	4.7	1
108	Dibaryons as chiral solitons. <i>Nuclear Physics B</i> , 1985, 256, 525-556.	2.5	133

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109	Confinement of non-Abelian monopoles in the MIT bag model. <i>Physical Review D</i> , 1984, 29, 2972-2974.	4.7	0
110	Self-adjointness of the Dirac Hamiltonian in point instanton and meron fields. <i>Physical Review D</i> , 1984, 30, 442-446.	4.7	0
111	Topological Symmetry Breakdown in Cholesterics, Nematics, and He3. <i>Physical Review Letters</i> , 1984, 52, 1818-1821.	7.8	23
112	Doubly Strange Dibaryon in the Chiral Model. <i>Physical Review Letters</i> , 1984, 52, 887-890.	7.8	153
113	Matrix Bases for Star Products: a Review. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 0, , .	0.5	8
114	Deformations of the Canonical Commutation Relations and Metric Structures. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 0, , .	0.5	0