

Marcos Mariño

List of Publications by Year in descending order

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80
papers

5,318
citations

87888

38
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85541

71
g-index

83
all docs

83
docs citations

83
times ranked

900
citing authors

#	ARTICLE	IF	CITATIONS
1	The Topological Vertex. Communications in Mathematical Physics, 2005, 254, 425-478.	2.2	483
2	From Weak to Strong Coupling in ABJM Theory. Communications in Mathematical Physics, 2011, 306, 511-563.	2.2	328
3	Topological Strings and Integrable Hierarchies. Communications in Mathematical Physics, 2006, 261, 451-516.	2.2	284
4	Matrix model as a mirror of Chern-Simons theory. Journal of High Energy Physics, 2004, 2004, 010-010.	4.7	195
5	Chern-Simons Theory, Matrix Integrals, and Perturbative Three-Manifold Invariants. Communications in Mathematical Physics, 2005, 253, 25-49.	2.2	189
6	Exact results in ABJM theory from topological strings. Journal of High Energy Physics, 2010, 2010, 1.	4.7	167
7	Knots, links and branes at large N. Journal of High Energy Physics, 2000, 2000, 007-007.	4.7	155
8	Remodeling the B-Model. Communications in Mathematical Physics, 2009, 287, 117-178.	2.2	154
9	All Loop Topological String Amplitudes from Chern-Simons Theory. Communications in Mathematical Physics, 2004, 247, 467-512.	2.2	131
10	Non-perturbative effects and the refined topological string. Journal of High Energy Physics, 2014, 2014, 1.	4.7	129
11	Nonperturbative aspects of ABJM theory. Journal of High Energy Physics, 2011, 2011, 1.	4.7	126
12	Open string amplitudes and large order behavior in topological string theory. Journal of High Energy Physics, 2008, 2008, 060-060.	4.7	123
13	Chern-Simons theory and topological strings. Reviews of Modern Physics, 2005, 77, 675-720.	45.6	117
14	Gravitational corrections in supersymmetric gauge theory and matrix models. Journal of High Energy Physics, 2003, 2003, 051-051.	4.7	115
15	Nonperturbative effects and nonperturbative definitions in matrix models and topological strings. Journal of High Energy Physics, 2008, 2008, 114-114.	4.7	115
16	Polynomial Invariants for Torus Knots and Topological Strings. Communications in Mathematical Physics, 2001, 217, 423-449.	2.2	101
17	Torus Knots and Mirror Symmetry. Annales Henri Poincare, 2012, 13, 1873-1910.	1.7	101
18	Nonperturbative effects and the large-order behavior of matrix models and topological strings. Communications in Number Theory and Physics, 2008, 2, 349-419.	1.0	101

#	ARTICLE	IF	CITATIONS
19	ABJM theory as a Fermi gas. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P03001.	2.3	96
20	Counting higher genus curves in a Calabi-Yau manifold. <i>Nuclear Physics B</i> , 1999, 543, 592-614.	2.5	92
21	Direct integration of the topological string. <i>Journal of High Energy Physics</i> , 2007, 2007, 058-058.	4.7	90
22	Topological Strings from Quantum Mechanics. <i>Annales Henri Poincare</i> , 2016, 17, 3177-3235.	1.7	88
23	Membrane instantons from a semiclassical TBA. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	75
24	A one-loop test of quantum supergravity. <i>Classical and Quantum Gravity</i> , 2014, 31, 015012.	4.0	71
25	Multi-instantons and multicuts. <i>Journal of Mathematical Physics</i> , 2009, 50, .	1.1	69
26	Asymptotics of the Instantons of Painlevé I. <i>International Mathematics Research Notices</i> , 2012, 2012, 561-606.	1.0	65
27	Lectures on localization and matrix models in supersymmetric Chern-Simons-matter theories. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 463001.	2.1	63
28	Holomorphic anomaly and matrix models. <i>Journal of High Energy Physics</i> , 2007, 2007, 058-058.	4.7	57
29	The Donaldson-Witten Function for Gauge Groups of Rank Larger Than One. <i>Communications in Mathematical Physics</i> , 1998, 199, 25-69.	2.2	55
30	A New Point of View in the Theory of Knot and Link Invariants. <i>Journal of Knot Theory and Its Ramifications</i> , 2002, 11, 173-197.	0.3	54
31	Resumming the string perturbation series. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	48
32	Exact quantization conditions for the relativistic Toda lattice. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	48
33	Instanton Effects and Quantum Spectral Curves. <i>Annales Henri Poincare</i> , 2016, 17, 1037-1074.	1.7	47
34	Spectral Theory and Mirror Curves of Higher Genus. <i>Annales Henri Poincare</i> , 2017, 18, 559-622.	1.7	44
35	Matrix Models from Operators and Topological Strings, 2. <i>Annales Henri Poincare</i> , 2016, 17, 2741-2781.	1.7	41
36	TBA equations and resurgent Quantum Mechanics. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	41

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37	A holomorphic and background independent partition function for matrix models and topological strings. <i>Journal of Geometry and Physics</i> , 2011, 61, 1181-1202.	1.4	40
38	Exact results in $N = 8$ Chern-Simons-matter theories and quantum geometry. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	40
39	Operators from Mirror Curves and the Quantum Dilogarithm. <i>Communications in Mathematical Physics</i> , 2016, 346, 967-994.	2.2	40
40	Exact solutions to quantum spectral curves by topological string theory. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	38
41	Matrix Models from Operators and Topological Strings. <i>Annales Henri Poincare</i> , 2016, 17, 1075-1108.	1.7	35
42	M-theoretic matrix models. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	34
43	Resurgence matches quantization. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 145402.	2.1	33
44	Phase transitions, double-scaling limit, and topological strings. <i>Physical Review D</i> , 2007, 75, .	4.7	32
45	Counting BPS States on the Enriques Calabi-Yau. <i>Communications in Mathematical Physics</i> , 2008, 280, 27-76.	2.2	32
46	Phase transitions in q -deformed 2D Yang-Mills theory and topological strings. <i>Physical Review D</i> , 2006, 73, .	4.7	31
47	Unquenched flavor and tropical geometry in strongly coupled Chern-Simons-matter theories. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	30
48	Non-perturbative approaches to the quantum Seiberg-Witten curve. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	30
49	Exact quantization conditions for cluster integrable systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 063107.	2.3	28
50	Large N duality beyond the genus expansion. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	26
51	String Theory and the Kauffman Polynomial. <i>Communications in Mathematical Physics</i> , 2010, 298, 613-643.	2.2	26
52	Holomorphic anomaly and quantum mechanics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 055402.	2.1	26
53	Topological Open String Amplitudes On Orientifolds. <i>Journal of High Energy Physics</i> , 2005, 2005, 002-002.	4.7	25
54	Operators and higher genus mirror curves. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	25

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55	Superconformal Invariance and the Geography of Four-Manifolds. Communications in Mathematical Physics, 1999, 205, 691-735.	2.2	23
56	Direct integration and non-perturbative effects in matrix models. Journal of High Energy Physics, 2010, 2010, 1.	4.7	23
57	Exact Perturbative Results for the Lieb-Liniger and Gaudin Yang Models. Journal of Statistical Physics, 2019, 177, 1148-1156.	1.2	23
58	Renormalons in integrable field theories. Journal of High Energy Physics, 2020, 2020, 1.	4.7	23
59	Quantization conditions and functional equations in ABJ(M) theories. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 115401.	2.1	22
60	Counting Higher Genus Curves with Crosscaps in Calabi-Yau Orientifolds. Journal of High Energy Physics, 2004, 2004, 035-035.	4.7	20
61	Interacting fermions and $S = 2$ Chern-Simons-matter theories. Journal of High Energy Physics, 2013, 2013, 1.	4.7	19
62	The Uses of Whitham Hierarchies. Progress of Theoretical Physics Supplement, 1999, 135, 29-52.	0.1	18
63	Donaldson Invariants for Non-Simply Connected Manifolds. Communications in Mathematical Physics, 1999, 203, 249-267.	2.2	18
64	Resurgence for superconductors. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 123102.	2.3	18
65	Non-perturbative Quantum Mechanics from Non-perturbative Strings. Annales Henri Poincare, 2019, 20, 543-603.	1.7	17
66	Localization at large N in Chern-Simons-matter theories. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 443007.	2.1	14
67	Resurgence and $1/N$ Expansion in Integrable Field Theories. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
68	The Topological Open String Wavefunction. Communications in Mathematical Physics, 2015, 338, 533-561.	2.2	13
69	The Resurgent Structure of Quantum Knot Invariants. Communications in Mathematical Physics, 2021, 386, 469-493.	2.2	12
70	Black holes and large order quantum geometry. Physical Review D, 2009, 79, .	4.7	11
71	The complex side of the TS/ST correspondence. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 055402.	2.1	11
72	A new renormalon in two dimensions. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11

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73	Testing the Bethe ansatz with large N renormalons. European Physical Journal: Special Topics, 2021, 230, 2641-2666.	2.6	10
74	Exact eigenfunctions and the open topological string. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 325401.	2.1	8
75	Resonances and PT symmetry in quantum curves. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
76	Peacock patterns and new integer invariants in topological string theory. SciPost Physics, 2022, 12, .	4.9	7
77	Donaldson Invariants of Product Ruled Surfaces and Two-Dimensional Gauge Theories. Communications in Mathematical Physics, 2001, 220, 231-261.	2.2	6
78	Quantum curves as quantum distributions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	2
79	Wavefunctions, integrability, and open strings. Journal of High Energy Physics, 2019, 2019, 1.	4.7	1
80	MATRIX MODELS. , 2005, , 3-24.		1