

# Marcos Mariño

## List of Publications by Year in descending order

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80  
papers

5,318  
citations

87888

38  
h-index

85541

71  
g-index

83  
all docs

83  
docs citations

83  
times ranked

900  
citing authors

#	ARTICLE	IF	CITATIONS
1	Peacock patterns and new integer invariants in topological string theory. <i>SciPost Physics</i> , 2022, 12, .	4.9	7
2	The Resurgent Structure of Quantum Knot Invariants. <i>Communications in Mathematical Physics</i> , 2021, 386, 469-493.	2.2	12
3	Testing the Bethe ansatz with large N renormalons. <i>European Physical Journal: Special Topics</i> , 2021, 230, 2641-2666.	2.6	10
4	Resurgence and 1/N Expansion in Integrable Field Theories. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	14
5	Renormalons in integrable field theories. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	23
6	A new renormalon in two dimensions. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	11
7	Resonances and PT symmetry in quantum curves. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	7
8	Non-perturbative approaches to the quantum Seiberg-Witten curve. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	30
9	Exact Perturbative Results for the Lieb–Liniger and Gaudin–Yang Models. <i>Journal of Statistical Physics</i> , 2019, 177, 1148-1156.	1.2	23
10	Wavefunctions, integrability, and open strings. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	1
11	TBA equations and resurgent Quantum Mechanics. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	41
12	Quantum curves as quantum distributions. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	2
13	Non-perturbative Quantum Mechanics from Non-perturbative Strings. <i>Annales Henri Poincare</i> , 2019, 20, 543-603.	1.7	17
14	Resurgence for superconductors. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 123102.	2.3	18
15	The complex side of the TS/ST correspondence. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 055402.	2.1	11
16	Holomorphic anomaly and quantum mechanics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 055402.	2.1	26
17	Exact eigenfunctions and the open topological string. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 325401.	2.1	8
18	Spectral Theory and Mirror Curves of Higher Genus. <i>Annales Henri Poincare</i> , 2017, 18, 559-622.	1.7	44

#	ARTICLE	IF	CITATIONS
19	Operators and higher genus mirror curves. Journal of High Energy Physics, 2017, 2017, 1.	4.7	25
20	Localization at large $N$ in Chern-Simons-matter theories. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 443007.	2.1	14
21	Resurgence matches quantization. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 145402.	2.1	33
22	Exact quantization conditions for the relativistic Toda lattice. Journal of High Energy Physics, 2016, 2016, 1.	4.7	48
23	Exact quantization conditions for cluster integrable systems. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 063107.	2.3	28
24	Matrix Models from Operators and Topological Strings. Annales Henri Poincare, 2016, 17, 1075-1108.	1.7	35
25	Matrix Models from Operators and Topological Strings, 2. Annales Henri Poincare, 2016, 17, 2741-2781.	1.7	41
26	Instanton Effects and Quantum Spectral Curves. Annales Henri Poincare, 2016, 17, 1037-1074.	1.7	47
27	Topological Strings from Quantum Mechanics. Annales Henri Poincare, 2016, 17, 3177-3235.	1.7	88
28	Quantization conditions and functional equations in ABJ(M) theories. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 115401.	2.1	22
29	Operators from Mirror Curves and the Quantum Dilogarithm. Communications in Mathematical Physics, 2016, 346, 967-994.	2.2	40
30	Exact results in $N = 8$ Chern-Simons-matter theories and quantum geometry. Journal of High Energy Physics, 2015, 2015, 1.	4.7	40
31	Exact solutions to quantum spectral curves by topological string theory. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
32	Resumming the string perturbation series. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48
33	The Topological Open String Wavefunction. Communications in Mathematical Physics, 2015, 338, 533-561.	2.2	13
34	M-theoretic matrix models. Journal of High Energy Physics, 2015, 2015, 1.	4.7	34
35	A one-loop test of quantum supergravity. Classical and Quantum Gravity, 2014, 31, 015012.	4.0	71
36	Non-perturbative effects and the refined topological string. Journal of High Energy Physics, 2014, 2014, 1.	4.7	129

#	ARTICLE	IF	CITATIONS
37	Membrane instantons from a semiclassical TBA. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	75
38	Interacting fermions and $\mathcal{N} = 2$ Chern-Simons-matter theories. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	19
39	Asymptotics of the Instantons of Painlevé I. <i>International Mathematics Research Notices</i> , 2012, 2012, 561-606.	1.0	65
40	ABJM theory as a Fermi gas. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P03001.	2.3	96
41	Torus Knots and Mirror Symmetry. <i>Annales Henri Poincaré</i> , 2012, 13, 1873-1910.	1.7	101
42	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
43	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
44	Nonperturbative aspects of ABJM theory. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	126
45	From Weak to Strong Coupling in ABJM Theory. <i>Communications in Mathematical Physics</i> , 2011, 306, 511-563.	2.2	328
46	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
47	Exact results in ABJM theory from topological strings. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	167
48	Large N duality beyond the genus expansion. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	26
49	Direct integration and non-perturbative effects in matrix models. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	23
50	String Theory and the Kauffman Polynomial. <i>Communications in Mathematical Physics</i> , 2010, 298, 613-643.	2.2	26
51	Multi-instantons and multicuts. <i>Journal of Mathematical Physics</i> , 2009, 50, .	1.1	69
52	Remodeling the B-Model. <i>Communications in Mathematical Physics</i> , 2009, 287, 117-178.	2.2	154
53	Black holes and large order quantum geometry. <i>Physical Review D</i> , 2009, 79, .	4.7	11
54	Counting BPS States on the Enriques Calabi-Yau. <i>Communications in Mathematical Physics</i> , 2008, 280, 27-76.	2.2	32

#	ARTICLE	IF	CITATIONS
55	Nonperturbative effects and nonperturbative definitions in matrix models and topological strings. Journal of High Energy Physics, 2008, 2008, 114-114.	4.7	115
56	Open string amplitudes and large order behavior in topological string theory. Journal of High Energy Physics, 2008, 2008, 060-060.	4.7	123
57	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
58	Direct integration of the topological string. Journal of High Energy Physics, 2007, 2007, 058-058.	4.7	90
59	Phase transitions, double-scaling limit, and topological strings. Physical Review D, 2007, 75, .	4.7	32
60	Holomorphic anomaly and matrix models. Journal of High Energy Physics, 2007, 2007, 058-058.	4.7	57
61	Phase transitions in q-deformed 2D Yang-Mills theory and topological strings. Physical Review D, 2006, 73, .	4.7	31
62	Topological Strings and Integrable Hierarchies. Communications in Mathematical Physics, 2006, 261, 451-516.	2.2	284
63	The Topological Vertex. Communications in Mathematical Physics, 2005, 254, 425-478.	2.2	483
64	Chern-Simons Theory, Matrix Integrals, and Perturbative Three-Manifold Invariants. Communications in Mathematical Physics, 2005, 253, 25-49.	2.2	189
65	Topological Open String Amplitudes On Orientifolds. Journal of High Energy Physics, 2005, 2005, 002-002.	4.7	25
66	Chern-Simons theory and topological strings. Reviews of Modern Physics, 2005, 77, 675-720.	45.6	117
67	MATRIX MODELS. , 2005, , 3-24.		1
68	Counting Higher Genus Curves with Crosscaps in Calabi-Yau Orientifolds. Journal of High Energy Physics, 2004, 2004, 035-035.	4.7	20
69	Matrix model as a mirror of Chern-Simons theory. Journal of High Energy Physics, 2004, 2004, 010-010.	4.7	195
70	All Loop Topological String Amplitudes from Chern-Simons Theory. Communications in Mathematical Physics, 2004, 247, 467-512.	2.2	131
71	Gravitational corrections in supersymmetric gauge theory and matrix models. Journal of High Energy Physics, 2003, 2003, 051-051.	4.7	115
72	A New Point of View in the Theory of Knot and Link Invariants. Journal of Knot Theory and Its Ramifications, 2002, 11, 173-197.	0.3	54

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73	Polynomial Invariants for Torus Knots and Topological Strings. Communications in Mathematical Physics, 2001, 217, 423-449.	2.2	101
74	Donaldson Invariants of Product Ruled Surfaces and Two-Dimensional Gauge Theories. Communications in Mathematical Physics, 2001, 220, 231-261.	2.2	6
75	Knots, links and branes at large N. Journal of High Energy Physics, 2000, 2000, 007-007.	4.7	155
76	The Uses of Whitham Hierarchies. Progress of Theoretical Physics Supplement, 1999, 135, 29-52.	0.1	18
77	Donaldson Invariants for Non-Simply Connected Manifolds. Communications in Mathematical Physics, 1999, 203, 249-267.	2.2	18
78	Superconformal Invariance and the Geography of Four-Manifolds. Communications in Mathematical Physics, 1999, 205, 691-735.	2.2	23
79	Counting higher genus curves in a Calabi-Yau manifold. Nuclear Physics B, 1999, 543, 592-614.	2.5	92
80	The Donaldson-Witten Function for Gauge Groups of Rank Larger Than One. Communications in Mathematical Physics, 1998, 199, 25-69.	2.2	55