

# Martin Rocek

## List of Publications by Year in descending order

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115  
papers

7,697  
citations

57681

46  
h-index

56606

87  
g-index

116  
all docs

116  
docs citations

116  
times ranked

1638  
citing authors

#	ARTICLE	IF	CITATIONS
1	$\hat{I}^2\hat{I}^3$ -systems interacting with sigma-models. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
2	3D dualities and supersymmetry enhancement from domain walls. Journal of High Energy Physics, 2019, 2019, 1.	1.6	4
3	Dualities and phases of 3d $\mathcal{N}=1$ SQCD. Journal of High Energy Physics, 2018, 2018, 1.	1.6	26
4	Generalized Kähler structures on group manifolds and T-duality. Journal of High Energy Physics, 2018, 2018, 1.	1.6	0
5	Homotopy algebras of differential (super)forms in three and four dimensions. Letters in Mathematical Physics, 2018, 108, 2669-2694.	0.5	9
6	On gauged linear sigma models with torsion. Journal of High Energy Physics, 2015, 2015, 1.	1.6	4
7	Three-dimensional $\mathcal{N}=2$ supergravity theories: From superspace to components. Physical Review D, 2014, 89, .	1.6	21
8	Semichiral Sigma models with 4D hyperkähler geometry. Journal of High Energy Physics, 2013, 2013, 1.	1.6	3
9	Generalized Kähler geometry in (2, 1) superspace. Journal of High Energy Physics, 2012, 2012, 1.	1.6	6
10	Off-shell $\mathcal{N} = (4, 4)$ supersymmetry for new (2, 2) vector multiplets. Journal of High Energy Physics, 2011, 2011, 1.	1.6	3
11	Generalized Calabi-Yau metric and generalized Monge-Ampère equation. Journal of High Energy Physics, 2010, 2010, 1.	1.6	12
12	Sigma models with off-shell $\mathcal{N} = (4, 4)$ supersymmetry and noncommuting complex structures. Journal of High Energy Physics, 2010, 2010, 1.	1.6	6
13	Properties of Hyperkähler Manifolds and Their Twistor Spaces. Communications in Mathematical Physics, 2010, 293, 257-278.	1.0	52
14	A potential for generalized Kähler geometry. , 2010, , 263-273.		4
15	Quaternion-Kähler spaces, hyper-Kähler cones, and the c-map. , 2010, , 3-13.		0
16	On conformal supergravity and projective superspace. Journal of High Energy Physics, 2009, 2009, 023-023.	1.6	55
17	Generalized Kähler geometry and gerbes. Journal of High Energy Physics, 2009, 2009, 062-062.	1.6	17
18	Nonabelian generalized gauge multiplets. Journal of High Energy Physics, 2009, 2009, 020-020.	1.6	15

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19	T-duality and generalized Kähler geometry. Journal of High Energy Physics, 2008, 2008, 056-056.	1.6	14
20	Linearizing generalized Kähler geometry. Journal of High Energy Physics, 2007, 2007, 061-061.	1.6	18
21	New $N = (2, 2)$ vector multiplets. Journal of High Energy Physics, 2007, 2007, 008-008.	1.6	23
22	Nonperturbative Corrections to 4D String Theory Effective Actions from $SL(2, Z)$ Duality and Supersymmetry. Physical Review Letters, 2007, 98, 211602.	2.9	63
23	Orientifolding in $N = 2$ superspace. Fortschritte Der Physik, 2007, 55, 615-620.	1.5	1
24	Generalized Kähler Manifolds and Off-shell Supersymmetry. Communications in Mathematical Physics, 2007, 269, 833-849.	1.0	82
25	Hypermultiplets and topological strings. Journal of High Energy Physics, 2006, 2006, 062-062.	1.6	46
26	A gravitational effective action on a finite triangulation. Journal of High Energy Physics, 2006, 2006, 021-021.	1.6	4
27	Ricci-flat supertwistor spaces. Journal of High Energy Physics, 2006, 2006, 163-163.	1.6	6
28	Generalized Kähler geometry and manifest $N = (2, 2)$ supersymmetric nonlinear sigma-models. Journal of High Energy Physics, 2005, 2005, 067-067.	1.6	32
29	On Calabi-Yau supermanifolds. Advances in Theoretical and Mathematical Physics, 2005, 9, 315-320.	0.4	13
30	Quantum corrections to the universal hypermultiplet and superspace. Physical Review D, 2004, 70, .	1.6	30
31	Time dependent solitons of noncommutative Chern-Simons theory coupled to scalar fields. Physical Review D, 2004, 69, .	1.6	6
32	Consistent boundary conditions for open strings. Nuclear Physics B, 2003, 662, 147-169.	0.9	34
33	Hyperkahler cones and orthogonal Wolf spaces. Journal of High Energy Physics, 2002, 2002, 064-064.	1.6	21
34	Gauging isometries on hyperkahler cones and quaternion-Kähler manifolds. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 511, 302-310.	1.5	47
35	ADE-quiver theories and mirror symmetry. Nuclear Physics, Section B, Proceedings Supplements, 2001, 102-103, 3-10.	0.5	3
36	Hypermultiplets, hyperkahler cones and quaternion-Kahler geometry. Journal of High Energy Physics, 2001, 2001, 039-039.	1.6	109

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37	Noncommutative solitons: moduli spaces, quantization, finite $\hat{I}$ , effects and stability. Journal of High Energy Physics, 2001, 2001, 040-040.	1.6	27
38	Hyperkähler quotients and algebraic curves. Journal of High Energy Physics, 2000, 2000, 022-022.	1.6	16
39	Non-commutative soliton scattering. Journal of High Energy Physics, 2000, 2000, 004-004.	1.6	24
40	Supersymmetric string vacua on AdS <sub>3</sub> × S <sup>1</sup> — Script N. Journal of High Energy Physics, 1999, 1999, 019-019.	1.6	35
41	A note on area variables in Regge calculus. Classical and Quantum Gravity, 1999, 16, 1373-1376.	1.5	62
42	Degeneration of ALF Dn metrics. Journal of High Energy Physics, 1999, 1999, 009-009.	1.6	12
43	Partial breaking of global D=4 supersymmetry, constrained superfields, and 3-brane actions. Physical Review D, 1999, 59, .	1.6	146
44	On dual 3-brane actions with partially broken N = 2 supersymmetry. Nuclear Physics B, 1999, 544, 243-264.	0.9	43
45	Self-dual effective action of N = 4 super-Yang-Mills. Nuclear Physics B, 1999, 544, 218-242.	0.9	53
46	Chromatic polynomials for $J(\hat{A}_n)$ strip graphs and their asymptotic limits. Physica A: Statistical Mechanics and Its Applications, 1998, 259, 367-387.	1.2	42
47	Chromatic polynomials for families of strip graphs and their asymptotic limits. Physica A: Statistical Mechanics and Its Applications, 1998, 252, 505-546.	1.2	56
48	Nonholomorphic N=2 terms in N=4 super Yang-Mills theory: 1-loop calculation in N=2 superspace. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 303-311.	1.5	48
49	Feynman rules in N = 2 projective superspace (I). Massless hypermultiplets. Nuclear Physics B, 1998, 516, 426-448.	0.9	66
50	N = 2 super Yang-Mills low-energy effective action at two loops. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 409, 251-256.	1.5	19
51	Supersymmetric $\hat{I}$ -models, twistors, and the Atiyah-Hitchin metric. Communications in Mathematical Physics, 1996, 182, 291-302.	1.0	48
52	Nonholomorphic corrections to the one-loop N = 2 super Yang-Mills action. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 297-303.	1.5	110
53	Effective Kähler potentials. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 383, 415-421.	1.5	95
54	On N = 2 low energy effective actions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 388, 581-587.	1.5	27

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55	Yang-Mills fields for cosets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 389, 299-304.	1.5	0
56	Complex structures, duality and WZW-models in extended superspace. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 343, 133-143.	1.5	51
57	A note on the Seiberg-Witten solution of $N = 2$ super Yang-Mills theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 355, 492-493.	1.5	19
58	Effective actions and gauge field stability. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 363, 173-179.	1.5	4
59	New $N = 4$ superfields and $\tilde{J}$ -models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 328, 49-54.	1.5	29
60	On nonabelian duality. Nuclear Physics B, 1994, 421, 173-187.	0.9	162
61	On the BRST operator structure of the $N = 2$ string. Nuclear Physics B, 1993, 400, 145-160.	0.9	17
62	Duality, quotients, and currents. Nuclear Physics B, 1992, 373, 630-646.	0.9	385
63	Generalized duality in curved string backgrounds. Nuclear Physics B, 1992, 380, 128-146.	0.9	142
64	Off-shell WZW models in extended superspace. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 265, 303-306.	1.5	100
65	Representation theory of the nonlinear $SU(2)$ algebra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 255, 554-557.	1.5	122
66	$D=2$ null superspaces. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 271, 79-84.	1.5	11
67	On the covariant quantization of a first-class superparticle. Journal of Mathematical Physics, 1990, 31, 1761-1769.	0.5	17
68	Covariantly quantizable superparticles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 235, 106-112.	1.5	30
69	$N=2$ super Yang-Mills theory in projective superspace. Communications in Mathematical Physics, 1990, 128, 191-196.	1.0	130
70			

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73	Gauge-fixing redundant symmetries in the superparticle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 228, 53-56.	1.5	25
74	Lorentz-covariant quantization of the heterotic superstring. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 225, 44-48.	1.5	63
75	Lorentz-covariant quantization of the superparticle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 224, 285-287.	1.5	50
76	Covariant superparticle quantization in a super Maxwell background. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 227, 87-91.	1.5	28
77	A super-Weyl-invariant spinning membrane. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 218, 207-209.	1.5	20
78	Supersymmetric sigma models with non-vanishing Nijenhuis tensor and their operator product expansion. Nuclear Physics B, 1989, 324, 523-531.	0.9	17
79	New hyperkähler metrics and new supermultiplets. Communications in Mathematical Physics, 1988, 115, 21-29.	1.0	179
80	Bosonic and spinning Weyl-invariant rigid strings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 201, 63-66.	1.5	10
81	New supersymmetric $\tilde{f}$ -models with Wess-Zumino terms. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 202, 94-98.	1.5	93
82	Supersymmetric regularized path-integral measure in $x$ -space. Physical Review D, 1988, 37, 3588-3604.	1.6	10
83	Regularized BRST-coordinate-invariant measure. Physical Review D, 1988, 37, 391-405.	1.6	41
84	Supersymmetric vector-vector duality. Classical and Quantum Gravity, 1987, 4, 549-553.	1.5	14
85	A gravitational first-order action for the bosonic string. Classical and Quantum Gravity, 1987, 4, L79-L81.	1.5	33
86	Supersymmetric nonlinear Maxwell theories and the string effective action. Nuclear Physics B, 1987, 294, 498-504.	0.9	11
87	Hyperkähler manifolds and nonlinear supermultiplets. Communications in Mathematical Physics, 1987, 108, 529-534.	1.0	21
88	Hyperkähler metrics and supersymmetry. Communications in Mathematical Physics, 1987, 108, 535-589.	1.0	759
89	Nonlinear $\tilde{f}$ -models and their gauging in and out of superspace. Nuclear Physics B, 1986, 266, 1-44.	0.9	127
90	$N=2$ supersymmetric Chern-Simons terms as $d=3$ extended conformal supergravity. Classical and Quantum Gravity, 1986, 3, 43-53.	1.5	82

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91	The geometry of duality. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 168, 89-92.	1.5	11
92	Superspace path integral measure of the N = 1 spinning string. Annals of Physics, 1986, 172, 348-370.	1.0	48
93	Supersymmetry and nonlinear $\tilde{f}$ -models. Physica D: Nonlinear Phenomena, 1985, 15, 75-82.	1.3	11
94	Three-dimensional Einstein gravity and Regge calculus. Classical and Quantum Gravity, 1985, 2, 701-706.	1.5	14
95	N=1 superspace components of extended supergravity. Classical and Quantum Gravity, 1984, 1, 227-232.	1.5	17
96	Self-interacting tensor multiplets in N = 2 superspace. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 147, 297-300.	1.5	199
97	N = 1 superspace geometry of extended supergravity. Nuclear Physics B, 1984, 243, 221-252.	0.9	21
98	Twisted multiplets and new supersymmetric non-linear $\tilde{f}$ -models. Nuclear Physics B, 1984, 248, 157-186.	0.9	608
99	The superhiggs effect in superspace. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 120, 110-118.	1.5	70
100	Scalar tensor duality and N = 1,2 non-linear $\tilde{f}$ -models. Nuclear Physics B, 1983, 222, 285-308.	0.9	240
101	Improved tensor multiplets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 109, 439-443.	1.5	68
102	The component gauges in supergravity. Nuclear Physics B, 1981, 191, 549-573.	0.9	6
103	Superloops 3, beta 0: A calculation in N = 4 Yang-Mills theory. Nuclear Physics B, 1981, 183, 141-156.	0.9	51
104	On off-shell supermultiplets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 105, 275-277.	1.5	70
105	Three-loop finiteness of the N = 4 supersymmetric non-linear $\tilde{f}$ model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1980, 96, 72-76.	1.5	46
106	Zero Value for the Three-Loop $\hat{\Gamma}^2$ Function in N=4 Supersymmetric Yang-Mills Theory. Physical Review Letters, 1980, 45, 1063-1066.	2.9	160
107	Vanishing One-Loop $\hat{\Gamma}^2$ Function in Gauged N>4 Supergravity. Physical Review Letters, 1980, 45, 161-164.	2.9	100
108	Constrained local superfields. Physical Review D, 1979, 19, 2300-2303.	1.6	153

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109	More components of superspace. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1979, 83, 179-184.	1.5	12
110	Improved methods for supergraphs. Nuclear Physics B, 1979, 159, 429-450.	0.9	771
111	Components of superspace. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1978, 79, 217-218.	1.5	12
112	Cepstral and direct analysis of electron spin resonance spectra of substituted triarylammonium cation radicals. Correlation of spin distribution with substituent constants. The Journal of Physical Chemistry, 1978, 82, 1185-1192.	2.9	26
113	Linearizing the Volkov-Akulov Model. Physical Review Letters, 1978, 41, 451-453.	2.9	221
114	Super-Higgs effect in a new class of scalar models and a model of super QED. Physical Review D, 1977, 16, 3427-3436.	1.6	49
115	Massive, self-interacting scalar multiplet coupled to supergravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1977, 69, 186-188.	1.5	22