Michele Caselle

List of Publications by Year in Descending Order

192 papers	**4,962** citations
34 h-index	**64** g-index
206 ext. papers	**5,468** ext. citations
4.8 avg, IF	**5.33** L-index

#	Paper	IF	Citations
192	Fine corrections in the effective string describing SU(2) Yang-Mills theory in three dimensions. *Journal of High Energy Physics*, **2022**, 2022, 1	5.4	
191	A 3D transcriptomics atlas of the mouse nose sheds light on the anatomical logic of smell.. *Cell Reports*, **2022**, 38, 110547	10.6	0
190	Effective String Description of the Confining Flux Tube at Finite Temperature. *Universe*, **2021**, 7, 170	2.5	3
189	The Unreasonable effectiveness of effective string theory: The case of the 3D SU(2) Higgs model. *Physical Review D*, **2021**, 104,	4.9	1
188	Subcellular Localization of Fad1p in : A Choice at Post-Transcriptional Level?. *Life*, **2021**, 11,	3	1
187	The impact of whole genome duplications on the human gene regulatory networks. *PLoS Computational Biology*, **2021**, 17, e1009638	5	0
186	Charting the scaling region of the Ising universality class in two and three dimensions. *Physical Review D*, **2020**, 102,	4.9	4
185	Identification of altered biological processes in heterogeneous RNA-sequencing data by discretization of expression profiles. *Nucleic Acids Research*, **2020**, 48, 1730-1747	20.1	4
184	Genome-wide dynamics of RNA synthesis, processing, and degradation without RNA metabolic labeling. *Genome Research*, **2020**, 30, 1492-1507	9.7	9
183	A Model-Driven Quantitative Analysis of Retrotransposon Distributions in the Human Genome. *Genome Biology and Evolution*, **2020**, 12, 2045-2059	3.9	2
182	TT̄ deformation of the compactified boson and its interpretation in lattice gauge theory. *Physical Review D*, **2020**, 102,	4.9	5
181	A Topic Modeling Analysis of TCGA Breast and Lung Cancer Transcriptomic Data. *Cancers*, **2020**, 12,	6.6	5
180	Hope4Genes: a Hopfield-like class prediction algorithm for transcriptomic data. *Scientific Reports*, **2019**, 9, 337	4.9	9
179	Identification of microRNA clusters cooperatively acting on epithelial to mesenchymal transition in triple negative breast cancer. *Nucleic Acids Research*, **2019**, 47, 2205-2215	20.1	44
178	Molecular Inverse Comorbidity between Alzheimer's Disease and Lung Cancer: New Insights from Matrix Factorization. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	6
177	Conformal field theory and the hot phase of three-dimensional U(1) gauge theory. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	5
176	Conformal perturbation theory confronts lattice results in the vicinity of a critical point. *Physical Review D*, **2019**, 100,	4.9	3

175	Investigating the epi-miRNome: identification of epi-miRNAs using transfection experiments. *Epigenomics*, **2019**, 11, 1581-1599	4.4	6
174	m6A-Dependent RNA Dynamics in T Cell Differentiation. *Genes*, **2019**, 10,	4.2	20
173	Statistics of Shared Components in Complex Component Systems. *Physical Review X*, **2018**, 8,	9.1	15
172	The Epithelial-Mesenchymal Transition, as Hacked by a microRNA Combinatorial Code. *Cell Systems*, **2018**, 7, 3-4	10.6	0
171	The equation of state with non-equilibrium methods. *EPJ Web of Conferences*, **2018**, 175, 07028	0.3	1
170	The ꟷ₂nd ratio as a test for Effective Polyakov Loop Actions. *EPJ Web of Conferences*, **2018**, 175, 07040	0.3	1
169	Heaps' law, statistics of shared components, and temporal patterns from a sample-space-reducing process. *Physical Review E*, **2018**, 98,	2.4	5
168	QCD thermodynamics from lattice calculations with nonequilibrium methods: The SU(3) equation of state. *Physical Review D*, **2018**, 98,	4.9	10
167	Biophysical Analysis of miRNA-Dependent Gene Regulation. *RNA Technologies*, **2018**, 257-273	0.2	1
166	MicroRNA-mediated regulatory circuits: outlook and perspectives. *Physical Biology*, **2017**, 14, 045001	3	54
165	Modelling the evolution of transcription factor binding preferences in complex eukaryotes. *Scientific Reports*, **2017**, 7, 7596	4.9	15
164	ꟷ₂nd ratio as a tool to refine effective Polyakov loop models. *Physical Review D*, **2017**, 96,	4.9	3
163	Stochastic timing in gene expression for simple regulatory strategies. *Nucleic Acids Research*, **2017**, 45, 1069-1078	20.1	22
162	A review of computational approaches detecting microRNAs involved in cancer. *Frontiers in Bioscience - Landmark*, **2017**, 22, 1774-1791	2.8	10
161	Conformal perturbation of off-critical correlators in the 3D Ising universality class. *Physical Review D*, **2016**, 94,	4.9	7
160	Jarzynski❓ theorem for lattice gauge theory. *Physical Review D*, **2016**, 94,	4.9	14
159	Width of the flux tube in compact U(1) gauge theory in three dimensions. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	13
158	miR-214 and miR-148b Targeting Inhibits Dissemination of Melanoma and Breast Cancer. *Cancer Research*, **2016**, 76, 5151-62	10.1	56

157	Numerical determination of the operator-product-expansion coefficients in the 3D Ising model from off-critical correlators. *Physical Review D*, **2015**, 91,	4.9	12
156	A different kind of string. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	22
155	Exceptional thermodynamics: the equation of state of G2 gauge theory. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	17
154	Ising-model description of long-range correlations in DNA sequences. *Physical Review E*, **2015**, 91, 052703	2.4	11
153	Detection of gene communities in multi-networks reveals cancer drivers. *Scientific Reports*, **2015**, 5, 17386	4.9	66
152	Hagedorn spectrum and thermodynamics of SU(2) and SU(3) Yang-Mills theories. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	21
151	MicroRNA-mRNA interactions underlying colorectal cancer molecular subtypes. *Nature Communications*, **2015**, 6, 8878	17.4	53
150	Genome-wide activity of unliganded estrogen receptor-α in breast cancer cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 4892-7	11.5	64
149	A combination of transcriptional and microRNA regulation improves the stability of the relative concentrations of target genes. *PLoS Computational Biology*, **2014**, 10, e1003490	5	37
148	Interplay of microRNA and epigenetic regulation in the human regulatory network. *Frontiers in Genetics*, **2014**, 5, 345	4.5	34
147	Alteration of ROS homeostasis and decreased lifespan in S. cerevisiae elicited by deletion of the mitochondrial translocator FLX1. *BioMed Research International*, **2014**, 2014, 101286	3	10
146	Deep sequencing of the X chromosome reveals the proliferation history of colorectal adenomas. *Genome Biology*, **2014**, 15, 437	18.3	0
145	Quantisation of the effective string with TBA. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	72
144	Line defects in the 3d Ising model. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	51
143	Molecular and morphologic characterization of superficial- and deep-subcutaneous adipose tissue subdivisions in human obesity. *Obesity*, **2013**, 21, 2562-70	8	40
142	Finite-temperature behavior of glueballs in lattice gauge theories. *Physical Review Letters*, **2013**, 111, 132001	7.4	5
141	New numerical results and novel effective string predictions for Wilson loops. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	12
140	The Lorentz-invariant boundary action of the confining string and its universal contribution to the inter-quark potential. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	28

139	Thermodynamics of SU(N) Yang-Mills theories in 2 + 1 dimensions II The deconfined phase. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	32
138	On the intrinsic width of the chromoelectric flux tube in finite temperature LGTs. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	16
137	The role of Transposable Elements in shaping the combinatorial interaction of Transcription Factors. *BMC Genomics*, **2012**, 13, 400	4.5	28
136	Gene autoregulation via intronic microRNAs and its functions. *BMC Systems Biology*, **2012**, 6, 131	3.5	44
135	Horizontal gene transfers as metagenomic gene duplications. *Molecular BioSystems*, **2012**, 8, 790-5		9
134	Dynamic modeling of miRNA-mediated feed-forward loops. *Journal of Computational Biology*, **2012**, 19, 188-99	1.7	5
133	A curated database of miRNA mediated feed-forward loops involving MYC as master regulator. *PLoS ONE*, **2011**, 6, e14742	3.7	45
132	A new approach to the study of effective string corrections in LGTs. *European Physical Journal C*, **2011**, 71, 1	4.2	9
131	Universal signatures of the effective string in finite temperature lattice gauge theories. *Journal of High Energy Physics*, **2011**, 2011, 1	5.4	14
130	Thermodynamics of SU(N) Yang-Mills theories in 2 + 1 dimensions I The confining phase. *Journal of High Energy Physics*, **2011**, 2011, 1	5.4	31
129	Suppression of charged particle production at large transverse momentum in central Pb Pb collisions at sNN=2.76 TeV. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2011**, 696, 30-39	4.2	393
128	Two-pion Bose Einstein correlations in central Pb Pb collisions at . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2011**, 696, 328-337	4.2	200
127	Critical domain walls in the Ashkin Teller model. *Journal of Statistical Mechanics: Theory and Experiment*, **2011**, 2011, P02039	1.9	5
126	Centrality dependence of the charged-particle multiplicity density at midrapidity in Pb-Pb collisions at sqrt[s(NN)] = 2.76 TeV. *Physical Review Letters*, **2011**, 106, 032301	7.4	438
125	The role of incoherent microRNA-mediated feedforward loops in noise buffering. *PLoS Computational Biology*, **2011**, 7, e1001101	5	190
124	Charged-particle multiplicity density at midrapidity in central Pb-Pb collisions at sqrt[S(NN)] = 2.76 TeV. *Physical Review Letters*, **2010**, 105, 252301	7.4	254
123	Nucleation dynamics in two-dimensional cylindrical Ising models and chemotaxis. *Physical Review E*, **2010**, 81, 021907	2.4	2
122	Elliptic flow of charged particles in Pb-Pb collisions at sqrt[S(NN)] = 2.76 TeV. *Physical Review Letters*, **2010**, 105, 252302	7.4	525

121	Identity and divergence of protein domain architectures after the yeast whole-genome duplication event. *Molecular BioSystems*, **2010**, 6, 2305-15		16
120	A new approach for the identification of processed pseudogenes. *Journal of Computational Biology*, **2010**, 17, 755-65	1.7	9
119	Flux tube delocalization at the deconfinement point. *Journal of High Energy Physics*, **2010**, 2010, 1	5.4	12
118	Identification of functional TFAP2A and SP1 binding sites in new TFAP2A-modulated genes. *BMC Genomics*, **2010**, 11, 355	4.5	25
117	Investigating dynamic and energetic determinants of protein nucleic acid recognition: analysis of the zinc finger zif268-DNA complexes. *BMC Structural Biology*, **2010**, 10, 42	2.7	13
116	Ordered structure of the transcription network inherited from the yeast whole-genome duplication. *BMC Systems Biology*, **2010**, 4, 77	3.5	12
115	Entropic contributions to the splicing process. *Physical Biology*, **2009**, 6, 046018	3	4
114	On the linear increase of the flux tube thickness near the deconfinement transition. *Journal of High Energy Physics*, **2009**, 2009, 073-073	5.4	28
113	Molecular models for intrastrand DNA G-quadruplexes. *BMC Structural Biology*, **2009**, 9, 64	2.7	14
112	Genome-wide survey of microRNA-transcription factor feed-forward regulatory circuits in human. *Molecular BioSystems*, **2009**, 5, 854-67		98
111	Universal behaviour of interfaces in 2d and dimensional reduction of Nambu␣Goto strings. *Nuclear Physics B*, **2008**, 795, 623-634	2.8	4
110	VRG: A database of vascular dysfunctions related genes. *Computers and Mathematics With Applications*, **2008**, 55, 1068-1073	2.7	0
109	Graph theory analysis of genomics problems: Community analysis of fragile sites correlations and of pseudogenes alignments. *Computers and Mathematics With Applications*, **2008**, 55, 1034-1043	2.7	2
108	The interface free energy: comparison of accurate Monte Carlo results for the 3D Ising model with effective interface models. *Journal of High Energy Physics*, **2007**, 2007, 117-117	5.4	31
107	Identification of DNA-binding protein target sequences by physical effective energy functions: free energy analysis of lambda repressor-DNA complexes. *BMC Structural Biology*, **2007**, 7, 61	2.7	9
106	Identification of candidate regulatory sequences in mammalian 3' UTRs by statistical analysis of oligonucleotide distributions. *BMC Bioinformatics*, **2007**, 8, 174	3.6	13
105	K-string tensions at finite temperature and integrable models. *Journal of High Energy Physics*, **2007**, 2007, 075-075	5.4	1
104	Universal power law behaviors in genomic sequences and evolutionary models. *Physical Review E*, **2007**, 76, 021902	2.4	4

103	A new computational approach to analyze human protein complexes and predict novel protein interactions. *Genome Biology*, **2007**, 8, R256	18.3	8
102	Correlated fragile site expression allows the identification of candidate fragile genes involved in immunity and associated with carcinogenesis. *BMC Bioinformatics*, **2006**, 7, 413	3.6	15
101	Study of the flux tube thickness in 3D lattice gauge theories by means of 2D spin models. *Journal of Statistical Mechanics: Theory and Experiment*, **2006**, 2006, P11003-P11003	1.9	8
100	On the effective string spectrum of the tridimensional Bbb Z2gauge model. *Journal of High Energy Physics*, **2006**, 2006, 076-076	5.4	12
99	High precision Monte Carlo simulations of interfaces in the three-dimensional Ising model: a comparison with the Nambu-Goto effective string model. *Journal of High Energy Physics*, **2006**, 2006, 084-084	5.4	21
98	The partition function of interfaces from the Nambu-Goto effective string theory. *Journal of High Energy Physics*, **2006**, 2006, 070-070	5.4	22
97	Symmetric space description of carbon nanotubes. *Journal of Statistical Mechanics: Theory and Experiment*, **2006**, 2006, P01013-P01013	1.9	5
96	Potts correlators and the static three-quark potential. *Journal of Statistical Mechanics: Theory and Experiment*, **2006**, 2006, P03008-P03008	1.9	7
95	Ab initio identification of putative human transcription factor binding sites by comparative genomics. *BMC Bioinformatics*, **2005**, 6, 110	3.6	24
94	Comparing the Nambu-Goto string with LGT results. *Journal of High Energy Physics*, **2005**, 2005, 026-026	5.4	28
93	Polyakov loop correlators from D0-brane interactions in bosonic string theory. *Journal of High Energy Physics*, **2005**, 2005, 038-038	5.4	24
92	Static quark potential and effective string corrections in the (2+1)-d SU(2) Yang-Mills theory. *Journal of High Energy Physics*, **2004**, 2004, 005-005	5.4	44
91	Amplitude ratios for the mass spectrum of the 2D Ising model in the highT,HLI phase. *Journal of Statistical Mechanics: Theory and Experiment*, **2004**, 2004, P10009	1.9	2
90	A new class of short distance universal amplitude ratios. *Journal of Physics A*, **2004**, 37, L47-L53		3
89	Short distance behaviour of the effective string. *Journal of High Energy Physics*, **2004**, 2004, 032-032	5.4	24
88	Computational identification of transcription factor binding sites by functional analysis of sets of genes sharing overrepresented upstream motifs. *BMC Bioinformatics*, **2004**, 5, 57	3.6	26
87	Effective string picture for confinement at finite temperature: theoretical predictions and high precision numerical results. *Nuclear Physics, Section B, Proceedings Supplements*, **2004**, 129-130, 593-595		3
86	String effects in SU(2) lattice gauge theory. *Nuclear Physics, Section B, Proceedings Supplements*, **2004**, 129-130, 721-723		4

85	Random matrix theory and symmetric spaces. *Physics Reports*, **2004**, 394, 41-156	27.7	54
84	A new class of solutions of the Dorokhov-Mello-Pereyra-Kumar equation. *Journal of Physics Condensed Matter*, **2003**, 15, 6845-6854	1.8	2
83	String effects in the 3d gauge Ising model. *Journal of High Energy Physics*, **2003**, 2003, 057-057	5.4	58
82	String effects in Polyakov loop correlators. *Nuclear Physics, Section B, Proceedings Supplements*, **2003**, 119, 499-501		7
81	Correlating overrepresented upstream motifs to gene expression: a computational approach to regulatory element discovery in eukaryotes. *BMC Bioinformatics*, **2002**, 3, 7	3.6	29
80	Bound states in the 3d Ising model and implications for QCD at finite temperature and density. *Nuclear Physics, Section B, Proceedings Supplements*, **2002**, 106-107, 504-506		1
79	Irrelevant operators in the two-dimensional Ising model. *Journal of Physics A*, **2002**, 35, 4861-4888		46
78	String effects in Polyakov loop correlators. *Journal of High Energy Physics*, **2002**, 2002, 061-061	5.4	28
77	Bound states and glueballs in three-dimensional Ising systems. *Nuclear Physics B*, **2002**, 623, 474-492	2.8	23
76	Finite temperature corrections in 2d integrable models. *Nuclear Physics B*, **2002**, 639, 549-561	2.8	4
75	Thermal operators and cluster topology in the q-state Potts model. *Journal of Physics A*, **2001**, 34, 351-355		6
74	Correction induced by irrelevant operators in the correlators of the two-dimensional Ising model in a magnetic field. *Journal of Physics A*, **2001**, 34, 8733-8750		11
73	The critical equation of state of the two-dimensional Ising model. *Journal of Physics A*, **2001**, 34, 2923-2948		24
72	Generalized two-dimensional Yang-Mills theory is a matrix string theory. *Nuclear Physics, Section B, Proceedings Supplements*, **2000**, 88, 142-151		1
71	Non-perturbative states in the three-dimensional /gf4 theory. *Nuclear Physics, Section B, Proceedings Supplements*, **2000**, 83-84, 715-717		
70	LATTICE GAUGE THEORIES AND THE AdS/CFT CORRESPONDENCE. *International Journal of Modern Physics A*, **2000**, 15, 3901-3966	1.2	3
69	High-precision estimate of g4 in the 2D Ising model. *Journal of Physics A*, **2000**, 33, 8171-8180		16
68	Thermal operators in Ising percolation. *Journal of Physics A*, **2000**, 33, 2333-2344		8

67	Non-analyticity of the Callan-Symanzik β function of two-dimensional O(N) models. *Journal of Physics A*, **2000**, 33, 8155-8170		41
66	Bound states in the three-dimensional φ⁴ model. *Physical Review D*, **2000**, 62,	4.9	11
65	Critical amplitudes and mass spectrum of the 2d Ising model in a magnetic field. *Nuclear Physics B*, **2000**, 579, 667-703	2.8	27
64	Short distance behaviour of correlators in the 2d Ising model in a magnetic field. *Nuclear Physics B*, **2000**, 579, 635-666	2.8	17
63	Matrix string states in pure 2d Yang-Mills theories. *Nuclear Physics B*, **1999**, 543, 141-169	2.8	11
62	Non-perturbative states in the 3D φ⁴ theory. *Nuclear Physics B*, **1999**, 556, 575-600	2.8	35
61	Universal amplitude ratios in the 2D four-state Potts model. *Nuclear Physics B*, **1999**, 562, 549-566	2.8	17
60	2D Yang-Mills theory as a Matrix String theory **1999**, 313-322		
59	Universal amplitude ratios in the 3D Ising model. *Nuclear Physics, Section B, Proceedings Supplements*, **1998**, 63, 613-615		4
58	Spectrum of the gauge Ising model in three dimensions. *Nuclear Physics, Section B, Proceedings Supplements*, **1998**, 63, 616-618		2
57	The stability of the O invariant fixed point in three dimensions. *Journal of Physics A*, **1998**, 31, 4603-4617		31
56	Finite Temperature Lattice QCD in the Large N Limit. *International Journal of Modern Physics A*, **1997**, 12, 1783-1845	1.2	19
55	Analytic Results in (2+1)-Dimensional Finite Temperature LGT. *International Journal of Modern Physics A*, **1997**, 12, 5753-5766	1.2	2
54	Universal amplitude ratios in the three-dimensional Ising model. *Journal of Physics A*, **1997**, 30, 4963-4982		56
53	The spectrum of the 2 + 1-dimensional gauge Ising model. *Nuclear Physics B*, **1997**, 484, 331-352	2.8	37
52	String effects in the Wilson loop: a high precision numerical test. *Nuclear Physics B*, **1997**, 486, 245-260	2.8	66
51	Effective actions for finite temperature lattice gauge theories. *Nuclear Physics, Section B, Proceedings Supplements*, **1997**, 53, 459-461		
50	A NEW UNIVERSALITY CLASS DESCRIBING THE INSULATING REGIME OF DISORDERED WIRES WITH STRONG SPIN-ORBIT SCATTERING. *Modern Physics Letters B*, **1996**, 10, 681-688	1.6	5

49	Width of long colour flux tubes in lattice gauge systems. *Nuclear Physics B*, **1996**, 460, 397-412	2.8	51
48	Deconfinement transition and dimensional cross-over in the 3D gauge Ising model. *Nuclear Physics B*, **1996**, 470, 435-453	2.8	40
47	Toward an analytic determination of the deconfinement temperature in SU(2) lattice gauge theory. *Nuclear Physics B*, **1996**, 472, 163-193	2.8	17
46	Calogero-Sutherland techniques in the physics of disordered wires. *Nuclear Physics, Section B, Proceedings Supplements*, **1996**, 45, 120-129		6
45	Universality of certain nonrenormalizable contributions in two-dimensional quantum field theory. *Physical Review D*, **1996**, 54, 5179-5184	4.9	5
44	Fluid interfaces in the 3D Ising model as a dilute gas of handles. *Physica A: Statistical Mechanics and Its Applications*, **1995**, 215, 21-39	3.3	4
43	The width of the colour flux tube. *Nuclear Physics, Section B, Proceedings Supplements*, **1995**, 42, 222-224		2
42	Some Analytical Results in (2+1) dimensional L.G.T. *Nuclear Physics, Section B, Proceedings Supplements*, **1995**, 42, 472-474		
41	Rough interfaces beyond the Gaussian approximation. *Nuclear Physics, Section B, Proceedings Supplements*, **1995**, 42, 755-757		
40	Distribution of Transmission Eigenvalues in Disordered Wires. *Physical Review Letters*, **1995**, 74, 2776-2779	7.4	62
39	Deconfinement transition in large-N lattice gauge theory. *Nuclear Physics B*, **1995**, 435, 172-206	2.8	5
38	On the relation between the width of the flux tube and Tc in lattice gauge theories. *Nuclear Physics, Section B, Proceedings Supplements*, **1994**, 34, 263-265		2
37	Finite size effects in fluid interfaces. *Nuclear Physics, Section B, Proceedings Supplements*, **1994**, 34, 720-722		0
36	Self-avoiding random surfaces with fluctuating topology. *Nuclear Physics, Section B, Proceedings Supplements*, **1994**, 34, 726-729		6
35	On the behaviour of spatial Wilson loops in the high-temperature phase of LGT. *Nuclear Physics B*, **1994**, 422, 397-414	2.8	12
34	Rough interfaces beyond the gaussian approximation. *Nuclear Physics B*, **1994**, 432, 590-618	2.8	41
33	The spatial string tension in high-temperature lattice gauge theories. *Nuclear Physics B*, **1994**, 427, 273-288	2.8	2
32	Two-dimensional QCD is a one-dimensional Kazakov-Migdal model. *Nuclear Physics B*, **1994**, 416, 751-767	2.8	21

31	THE EFFECTIVE STRING OF 3D Z2 GAUGE THEORY AS A c = 1 COMPACTIFIED CFT. *International Journal of Modern Physics A*, **1993**, 08, 2839-2858	1.2	3
30	Finite-size effects in the interface of the 3D Ising model. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1993**, 302, 74-79	4.2	20
29	Kazakov-Migdal induced gauge theory and the coupling of 2d quantum gravity to d=1 matter. *Nuclear Physics, Section B, Proceedings Supplements*, **1993**, 30, 808-811		
28	Some universal features of the effective string picture of pure gauge theories. *Nuclear Physics, Section B, Proceedings Supplements*, **1993**, 30, 889-892		3
27	The Kazakov-Migdal model as a high temperature lattice gauge theory. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1993**, 302, 80-86	4.2	10
26	TOWARDS A CLASSIFICATION OF FUSION RULE ALGEBRAS IN RATIONAL CONFORMAL FIELD THEORIES. *International Journal of Modern Physics B*, **1992**, 06, 2075-2090	1.1	8
25	Self-avoiding effective strings in lattice gauge theories. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 277, 481-484	4.2	3
24	Exact solution of D = 1 Kazakov-Migdal induced gauge theory. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 293, 161-167	4.2	12
23	The effective string of 3D gauge systems at the deconfining transition. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1991**, 273, 420-422	4.2	7
22	Critical boundary conditions for the effective string. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1991**, 272, 272-276	4.2	6
21	CHARACTER IDENTITIES IMPLIED BY SUPER-W3 INVARIANCE AND GENERALIZED COULOMB GAS DESCRIPTIONS. *International Journal of Modern Physics A*, **1991**, 06, 5495-5509	1.2	2
20	STRING CONTRIBUTIONS IN 3D Z2 AND Z5 GAUGE MODELS. *International Journal of Modern Physics A*, **1991**, 06, 4885-4908	1.2	8
19	Orthogonal-polynomial structures and fusion algebras of rational conformal field theories. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 251, 260-265	4.2	4
18	Analyticity, modular invariance and the classification of three operator fusion algebras. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 242, 52-58	4.2	4
17	String corrections and asymptotic scaling in SU(2) and SU(3) lattice gauge theories. *Nuclear Physics, Section B, Proceedings Supplements*, **1990**, 17, 545-549		2
16	MODULAR INVARIANCE AND FUSION RULE ALGEBRAS: CLASSIFICATION OF THE THREE-OPERATOR CASE. *International Journal of Modern Physics A*, **1990**, 05, 4697-4719	1.2	2
15	Regge calculus as a local theory of the Poincaré group. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1989**, 232, 457-461	4.2	63
14	Asymptotic scaling and the underlying string of lattice gauge theories. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1989**, 224, 153-158	4.2	10

13	Fusion rule algebras from graph theory. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1989**, 224, 303-308	4.2	5
12	A new approach to the construction of conformal field theories. *Nuclear Physics B*, **1989**, 323, 673-718	2.8	9
11	Universality of the string picture in lattice gauge systems. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1988**, 200, 525-528	4.2	9
10	Lattice gravity and supergravity as spontaneously broken gauge theories of the (super) poincaré group. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1987**, 192, 406-410	4.2	12
9	Doubling of all matter fields coupled with gravity on a lattice. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1987**, 192, 411-414	4.2	8
8	Monte Carlo analysis of the $SO(3) \otimes SO(3)$ chiral model in two dimensions. *Zeitschrift Für Physik C-Particles and Fields*, **1985**, 28, 233-239		3
7	Vortex condensation and the spectrum of the lowest mass states in two-dimensional models. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1984**, 147, 132-136	4.2	4
6	Improved lattice actions for SU(N) $\otimes$ SU(N) chiral models. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1983**, 130, 81-86	4.2	7
5	The phase structure of the SU(2) $\otimes$ SU(2) spin system in two dimensions. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1982**, 109, 303-306	4.2	18
4	Generalizations of the sine-Gordon equation with SU_{p+q} S(U p⊗q) structure **1981**, 63, 339-352		2
3	Genome-wide dynamics of RNA synthesis, processing and degradation without RNA metabolic labeling		4
2	Genomic duplications shaped current retrotransposon position distribution in human		1
1	Emergent Statistical Laws in Single-Cell Transcriptomic Data		1