

Ara Sedrakyan

List of Publications by Year in descending order

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28
papers

297
citations

840776

11
h-index

888059

17
g-index

28
all docs

28
docs citations

28
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Study of the Localization Length Critical Index in a Network Model of Plateau-Plateau Transitions in the Quantum Hall Effect. <i>Physical Review Letters</i> , 2011, 107, 066402.	7.8	55
2	Absence of extended states in a ladder model of DNA. <i>Physical Review B</i> , 2007, 75, .	3.2	38
3	Geometrically disordered network models, quenched quantum gravity, and critical behavior at quantum Hall plateau transitions. <i>Physical Review B</i> , 2017, 95, .	3.2	28
4	Electron States in a Class of One-Dimensional Random Binary Alloys. <i>Physica Status Solidi (B): Basic Research</i> , 2000, 221, 633-639.	1.5	24
5	Integrable chain model with additional staggered model parameter. <i>Nuclear Physics B</i> , 2000, 588, 638-655.	2.5	23
6	Localization length index and subleading corrections in a Chalker-Coddington model: A numerical study. <i>Physical Review B</i> , 2015, 91, .	3.2	17
7	Fermionization of the spin- Uiminâ€“Laiâ€“Sutherland model: generalisation of the supersymmetric â€“ model to spin-. <i>Nuclear Physics B</i> , 2001, 599, 547-560.	2.5	16
8	Random network models with variable disorder of geometry. <i>Physical Review B</i> , 2019, 100, .	3.2	16
9	On the Solutions of the Yang-Baxter Equations with General Inhomogeneous Eight-Vertex R-Matrix: Relations with Zamolodchikovâ€™s Tetrahedral Algebra. <i>Journal of Statistical Physics</i> , 2013, 150, 130-155.	1.2	15
10	Perturbative Test of Single Parameter Scaling for 1D Random Media. <i>Annales Henri Poincare</i> , 2004, 5, 1159-1180.	1.7	12
11	Hofstadter problem on the honeycomb and triangular lattices: Bethe ansatz solution. <i>Physical Review B</i> , 2006, 73, .	3.2	11
12	Optical conductivity of graphene in the presence of random lattice deformations. <i>Physical Review B</i> , 2011, 83, .	3.2	9
13	A family of affine quantum group invariant integrable extensions of the Hubbard Hamiltonian. <i>Nuclear Physics B</i> , 1997, 490, 633-652.	2.5	8
14	LATTICE ELECTRONS IN CONSTANT MAGNETIC FIELD: BETHE LIKE ANSATZ. <i>Modern Physics Letters A</i> , 1995, 10, 495-501.	1.2	4
15	Simplified tetrahedron equations: Fermionic realization. <i>Nuclear Physics B</i> , 2006, 734, 287-303.	2.5	4
16	Matrix model for strings beyond the $c=1$ barrier: The spin-s-Heisenberg model on random surfaces. <i>Physical Review D</i> , 2015, 92, .	4.7	3
17	Integrability in three dimensions: Algebraic Bethe ansatz for anyonic models. <i>Nuclear Physics B</i> , 2015, 899, 444-450.	2.5	3
18	Critical behavior at the integer quantum Hall transition in a network model on the kagome lattice. <i>Physical Review B</i> , 2020, 102, .	3.2	3

#	ARTICLE	IF	CITATIONS
19	Deformation of a graphene sheet: Interaction of fermions with phonons. Physical Review B, 2021, 103, .	3.2	3
20	The XXZ Heisenberg model on random surfaces. Nuclear Physics B, 2013, 874, 877-888.	2.5	2
21	Currentâ€“current correlation function in 3D massive Dirac theory with chemical potential. Modern Physics Letters A, 2015, 30, 1550035.	1.2	2
22	Geometry of random potentials: Induction of two-dimensional gravity in quantum Hall plateau transitions. Physical Review B, 2021, 103, .	3.2	1
23	THE DYNAMICS OF DIRAC FERMIONS ON SINGULAR SURFACES. International Journal of Modern Physics B, 1996, 10, 2423-2429.	2.0	0
24	Integrable Extensions of Hubbard Hamiltonian. International Journal of Modern Physics B, 1997, 11, 3207-3222.	2.0	0
25	Transport properties of fermions with moat spectra. Modern Physics Letters A, 2019, 34, 1950041.	1.2	0
26	STAGGERED INTEGRABLE MODELS AND GENERALIZATION OF THE $U_{q}(GL(N))$ ALGEBRA. , 2002, , 15-29.		0
27	3D ISING MODEL ON DUAL BCC LATTICE: THE SIGN-FACTOR. , 2002, , 1-13.		0
28	Explicit R-matrices for inhomogeneous 3D chiral Potts models: Integrability and the action formulation for IM. Annals of Physics, 2022, 437, 168735.	2.8	0