

# 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	Explicit R-matrices for inhomogeneous 3D chiral Potts models: Integrability and the action formulation for IM. <i>Annals of Physics</i> , 2022, 437, 168735.	2.8	0
2	Geometry of random potentials: Induction of two-dimensional gravity in quantum Hall plateau transitions. <i>Physical Review B</i> , 2021, 103, .	3.2	1
3	Deformation of a graphene sheet: Interaction of fermions with phonons. <i>Physical Review B</i> , 2021, 103, .	3.2	3
4	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
5	Transport properties of fermions with moat spectra. <i>Modern Physics Letters A</i> , 2019, 34, 1950041.	1.2	0
6	Random network models with variable disorder of geometry. <i>Physical Review B</i> , 2019, 100, .	3.2	16
7	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
8	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
9	Integrability in three dimensions: Algebraic Bethe ansatz for anyonic models. <i>Nuclear Physics B</i> , 2015, 899, 444-450.	2.5	3
10	Current-current correlation function in 3D massive Dirac theory with chemical potential. <i>Modern Physics Letters A</i> , 2015, 30, 1550035.	1.2	2
11	Localization length index and subleading corrections in a Chalker-Coddington model: A numerical study. <i>Physical Review B</i> , 2015, 91, .	3.2	17
12	On the Solutions of the Yang-Baxter Equations with General Inhomogeneous Eight-Vertex R-Matrix: Relations with Zamolodchikov's Tetrahedral Algebra. <i>Journal of Statistical Physics</i> , 2013, 150, 130-155.	1.2	15
13	The XXZ Heisenberg model on random surfaces. <i>Nuclear Physics B</i> , 2013, 874, 877-888.	2.5	2
14	Optical conductivity of graphene in the presence of random lattice deformations. <i>Physical Review B</i> , 2011, 83, .	3.2	9
15	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
16	Absence of extended states in a ladder model of DNA. <i>Physical Review B</i> , 2007, 75, .	3.2	38
17	Simplified tetrahedron equations: Fermionic realization. <i>Nuclear Physics B</i> , 2006, 734, 287-303.	2.5	4
18	Hofstadter problem on the honeycomb and triangular lattices: Bethe ansatz solution. <i>Physical Review B</i> , 2006, 73, .	3.2	11

#	ARTICLE	IF	CITATIONS
19	Perturbative Test of Single Parameter Scaling for 1D Random Media. Annales Henri Poincare, 2004, 5, 1159-1180.	1.7	12
20	STAGGERED INTEGRABLE MODELS AND GENERALIZATION OF THE $U_q(\mathfrak{gl}(N))$ ALGEBRA. , 2002, , 15-29.		0
21	3D ISING MODEL ON DUAL BCC LATTICE: THE SIGN-FACTOR. , 2002, , 1-13.		0
22	Fermionization of the spin-1 Sutherland model: generalisation of the supersymmetric $\hat{A}_1$ model to spin-1. Nuclear Physics B, 2001, 599, 547-560.	2.5	16
23	Electron States in a Class of One-Dimensional Random Binary Alloys. Physica Status Solidi (B): Basic Research, 2000, 221, 633-639.	1.5	24
24	Integrable chain model with additional staggered model parameter. Nuclear Physics B, 2000, 588, 638-655.	2.5	23
25	Integrable Extensions of Hubbard Hamiltonian. International Journal of Modern Physics B, 1997, 11, 3207-3222.	2.0	0
26	A family of affine quantum group invariant integrable extensions of the Hubbard Hamiltonian. Nuclear Physics B, 1997, 490, 633-652.	2.5	8
27	THE DYNAMICS OF DIRAC FERMIONS ON SINGULAR SURFACES. International Journal of Modern Physics B, 1996, 10, 2423-2429.	2.0	0
28	LATTICE ELECTRONS IN CONSTANT MAGNETIC FIELD: BETHE LIKE ANSATZ. Modern Physics Letters A, 1995, 10, 495-501.	1.2	4