

Vladimir Juricic

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

3,063
citations

218677

26
h-index

155660

55
g-index

69
all docs

69
docs citations

69
times ranked

2336
citing authors

#	ARTICLE	IF	CITATIONS
1	The space group classification of topological band-insulators. Nature Physics, 2013, 9, 98-102.	16.7	470
2	Theory of interacting electrons on the honeycomb lattice. Physical Review B, 2009, 79, .	3.2	239
3	Coulomb Interaction, Ripples, and the Minimal Conductivity of Graphene. Physical Review Letters, 2008, 100, 046403.	7.8	205
4	Higher-order topological phases: A general principle of construction. Physical Review B, 2019, 99, .	3.2	166
5	Relativistic Mott criticality in graphene. Physical Review B, 2009, 80, .	3.2	155
6	Unconventional superconductivity in nearly flat bands in twisted bilayer graphene. Physical Review B, 2019, 99, .	3.2	143
7	Interacting Weyl fermions: Phases, phase transitions, and global phase diagram. Physical Review B, 2017, 95, .	3.2	107
8	Universal Probes of Two-Dimensional Topological Insulators: Dislocation and \mathbb{Z}_2 Flux. Physical Review Letters, 2012, 108, 106403.	7.8	106
9	Interplay between electronic topology and crystal symmetry: Dislocation-line modes in topological band insulators. Physical Review B, 2014, 90, .	3.2	91
10	Higher-order topological insulators in amorphous solids. Physical Review Research, 2020, 2, .	3.6	91
11	Structure of twisted and buckled bilayer graphene. 2D Materials, 2017, 4, 015018.	4.4	83
12	Quantum superconducting criticality in graphene and topological insulators. Physical Review B, 2013, 87, .	3.2	78
13	Coulomb interaction at the metal-insulator critical point in graphene. Physical Review B, 2009, 80, .	3.2	72
14	Conductivity of interacting massless Dirac particles in graphene: Collisionless regime. Physical Review B, 2010, 82, .	3.2	68
15	Out of equilibrium higher-order topological insulator: Floquet engineering and quench dynamics. Physical Review Research, 2019, 1, .	3.6	59
16	Universal optical conductivity of a disordered Weyl semimetal. Scientific Reports, 2016, 6, 32446.	3.3	57
17	Global Phase Diagram of a Dirty Weyl Liquid and Emergent Superuniversality. Physical Review X, 2018, 8, .	8.9	47
18	Dissolution of topological Fermi arcs in a dirty Weyl semimetal. Physical Review B, 2017, 96, .	3.2	46

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19	Topoelectric circuits: Theory and construction. Physical Review Research, 2021, 3, .	3.6	46
20	Strain-induced time-reversal odd superconductivity in graphene. Physical Review B, 2014, 90, .	3.2	44
21	Emergent Lorentz symmetry near fermionic quantum critical points in two and three dimensions. Journal of High Energy Physics, 2016, 2016, 1-19.	4.7	44
22	Hierarchy of higher-order Floquet topological phases in three dimensions. Physical Review B, 2021, 103, .	3.2	42
23	Restoration of the Magnetic χ -Periodicity in Unconventional Superconductors. Physical Review Letters, 2008, 100, 187006.	7.8	25
24	Probing quantum criticality using nonlinear Hall effect in a metallic Dirac system. Physical Review Research, 2020, 2, .	3.6	39
25	Self-organized pseudo-graphene on grain boundaries in topological band insulators. Physical Review B, 2016, 93, .	3.2	32
26	Chiral symmetry breaking in the pseudo-quantum electrodynamics. Physical Review D, 2013, 87, .	4.7	27
27	Tight-binding theory of spin-orbit coupling in graphynes. Physical Review B, 2014, 90, .	3.2	27
28	From Birefringent Electrons to a Marginal or Non-Fermi Liquid of Relativistic Spin-1 Fermions: An Emergent Superuniversality. Physical Review Letters, 2018, 121, 157602.	7.8	25
29	Dislocation as a bulk probe of higher-order topological insulators. Physical Review Research, 2021, 3, .	3.6	24
30	Dynamically induced magnetism in KTaO_3 . Physical Review Research, 2021, 3, .	3.6	21
31	Mixed-parity octupolar pairing and corner Majorana modes in three dimensions. Physical Review B, 2021, 104, .	3.2	21
32	Lightly Doped $\text{La}_2\text{xSrxCuO}_4$ as a Lifshitz Helimagnet. Physical Review Letters, 2006, 96, 077004.	7.8	20
33	Magnetic susceptibility anisotropies in a two-dimensional quantum Heisenberg antiferromagnet with Dzyaloshinskii-Moriya interactions. Physical Review B, 2006, 73, .	3.2	20
34	Zero-energy states bound to a magnetic π -flux vortex in a two-dimensional topological insulator. Nuclear Physics B, 2013, 867, 977-991.	2.5	20
35	Transport properties of a Luttinger liquid in the presence of several time-dependent impurities. Physical Review B, 2006, 74, .	3.2	19
36	Dynamic Multiferroicity of a Ferroelectric Quantum Critical Point. Physical Review Letters, 2019, 122, 057208.	7.8	18

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37	Dislocation defect as a bulk probe of monopole charge of multi-Weyl semimetals. Physical Review Research, 2020, 2, .	3.6	17
38	Dynamics of Topological Defects in a Spiral: A Scenario for the Spin-Glass Phase of Cuprates. Physical Review Letters, 2004, 92, 137202.	7.8	16
39	Probing the shape of a graphene nanobubble. Physical Chemistry Chemical Physics, 2017, 19, 7465-7470.	2.8	16
40	Itinerant quantum multicriticality of two-dimensional Dirac fermions. Physical Review B, 2018, 97, .	3.2	16
41	High-Chern-number bands and tunable Dirac cones in \hat{I}^2 -graphyne. Physical Review B, 2014, 90, .	3.2	16
42	Fermionic multicriticality near Kekulé valence-bond ordering on a honeycomb lattice. Physical Review B, 2019, 99, .	3.2	14
43	Optical conductivity of an interacting Weyl liquid in the collisionless regime. Physical Review B, 2017, 96, .	3.2	12
44	Phase transitions in a holographic multi-Weyl semimetal. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
45	First-order quantum phase transition in three-dimensional topological band insulators. Physical Review B, 2017, 95, .	3.2	10
46	Transport properties of a quantum wire: Role of extended time-dependent impurities. Physical Review B, 2007, 75, .	3.2	9
47	Tuning edge state localization in graphene nanoribbons by in-plane bending. Physical Review B, 2015, 92, .	3.2	8
48	Kekule versus hidden superconducting order in graphene-like systems: Competition and coexistence. Physical Review B, 2015, 92, .	3.2	8
49	Probing Crystallinity of Graphene Samples via the Vibrational Density of States. Journal of Physical Chemistry Letters, 2015, 6, 3897-3902.	4.6	8
50	Boundaries determine the formation energies of lattice defects in two-dimensional buckled materials. Physical Review B, 2016, 94, .	3.2	8
51	Collisionless Transport Close to a Fermionic Quantum Critical Point in Dirac Materials. Physical Review Letters, 2018, 121, 137601.	7.8	8
52	Hund nodal line semimetals: The case of a twisted magnetic phase in the double-exchange model. Physical Review B, 2019, 99, .	3.2	8
53	Odd-frequency Berezinskii superconductivity in Dirac semimetals. Physical Review B, 2019, 100, .	3.2	8
54	Towards holographic flat bands. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8

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55	Shear viscosity as a probe of nodal topology. <i>Physical Review B</i> , 2020, 101, .	3.2	6
56	Derivation of the generalized non-linear sigma model in the presence of the Dzyaloshinskiiâ€Moriya interaction. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 449-450.	2.7	5
57	Pairing instabilities of Dirac composite fermions. <i>Physical Review B</i> , 2016, 94, .	3.2	5
58	Discontinuous evolution of the structure of stretching polycrystalline graphene. <i>Physical Review B</i> , 2019, 100, .	3.2	5
59	Relativistic non-Fermi liquid from interacting birefringent fermions: A robust superuniversality. <i>Physical Review Research</i> , 2020, 2, .	3.6	4
60	Controlling Majorana modes by p -wave pairing in two-dimensional topological superconductors. <i>Physical Review Research</i> , 2022, 4, .	3.6	4
61	Thirring sine-Gordon relationship by canonical methods. <i>European Physical Journal C</i> , 2003, 32, 443-452.	3.9	3
62	Thermal magnetic fluctuations of a ferroelectric quantum critical point. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 04LT01.	1.8	3
63	Engineering holographic flat fermionic bands. <i>Physical Review D</i> , 2022, 105, .	4.7	3
64	Dissipative dynamics of topological defects in frustrated Heisenberg spin systems. <i>Physical Review B</i> , 2005, 71, .	3.2	2
65	Stability of the X state of the two-dimensional C_4 group insulator. <i>Physical Review B</i> , 2015, 91, .	3.2	2
66	Monopole versus spherical harmonic superconductors: Topological repulsion, coexistence, and stability. <i>Physical Review B</i> , 2020, 102, .	3.2	2
67	Emergent Lorentz symmetry near fermionic quantum critical points in two and three dimensions. , 2016, 2016, 1.		1