

Takashi Oka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3465952/publications.pdf>

Version: 2024-02-01

66
papers

6,769
citations

117625

34
h-index

114465

63
g-index

68
all docs

68
docs citations

68
times ranked

5147
citing authors

#	ARTICLE	IF	CITATIONS
19	Brillouin-Wigner theory for high-frequency expansion in periodically driven systems: Application to Floquet topological insulators. <i>Physical Review B</i> , 2016, 93, .	3.2	233
20	Heterodyne Hall effect in a two-dimensional electron gas. <i>Physical Review B</i> , 2016, 94, .	3.2	8
21	Electromagnetic instability in holographic QCD. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	30
22	Meson turbulence at quark deconfinement from AdS/CFT. <i>Nuclear Physics B</i> , 2015, 896, 738-762.	2.5	7
23	Turbulent meson condensation in quark deconfinement. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 746, 311-314.	4.1	10
24	Dynamical stability of a many-body Kapitza pendulum. <i>Annals of Physics</i> , 2015, 360, 694-710.	2.8	75
25	Out-of-equilibrium electrons and the Hall conductance of a Floquet topological insulator. <i>Physical Review B</i> , 2015, 91, .	3.2	195
26	Restricted phase-space approximation in real-time stochastic quantization. <i>Annals of Physics</i> , 2015, 353, 107-128.	2.8	12
27	Electric field quench in AdS/CFT. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	26
28	Dissipative Floquet topological systems. <i>Physical Review B</i> , 2014, 90, .	3.2	153
29	Magnetization and phase transition induced by circularly polarized laser in quantum magnets. <i>Physical Review B</i> , 2014, 90, .	3.2	49
30	Laser-induced magnetization curve. <i>Physical Review B</i> , 2014, 90, .	3.2	48
31	Electrically Switchable Chiral Light-Emitting Transistor. <i>Science</i> , 2014, 344, 725-728.	12.6	675
32	Nonequilibrium dynamical mean-field theory and its applications. <i>Reviews of Modern Physics</i> , 2014, 86, 779-837.	45.6	529
33	Magnetic instability in AdS/CFT: Schwinger effect and Euler-Heisenberg Lagrangian of supersymmetric QCD. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	24
34	Supersolid states in a spin system: Phase diagram and collective excitations. <i>Physical Review B</i> , 2013, 88, .	3.2	15
35	Vacuum instability in electric fields via AdS/CFT: Euler-Heisenberg Lagrangian and Planckian thermalization. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	53
36	Superconductivity assisted by interlayer pair hopping in multilayered cuprates. <i>Physical Review B</i> , 2013, 88, .	3.2	20

#	ARTICLE	IF	CITATIONS
37	Nonlinear doublon production in a Mott insulator: Landau-Dykhne method applied to an integrable model. <i>Physical Review B</i> , 2012, 86, .	3.2	76
38	Photo control of transport properties in a disordered wire: Average conductance, conductance statistics, and time-reversal symmetry. <i>Annals of Physics</i> , 2012, 327, 1868-1889.	2.8	7
39	Repulsion-to-attraction transition in correlated electron systems triggered by a monocycle pulse. <i>Physical Review B</i> , 2012, 85, .	3.2	44
40	Rapid thermalization by baryon injection in gauge/gravity duality. <i>Physical Review D</i> , 2011, 84, .	4.7	9
41	Transport properties of nonequilibrium systems under the application of light: Photoinduced quantum Hall insulators without Landau levels. <i>Physical Review B</i> , 2011, 84, .	3.2	820
42	Publisher's Note: Rapid thermalization by baryon injection in gauge/gravity duality [<i>Phys. Rev. D</i> 84, 066005 (2011)]. <i>Physical Review D</i> , 2011, 84, .	4.7	0
43	Dynamical Band Flipping in Fermionic Lattice Systems: An ac-Field-Driven Change of the Interaction from Repulsive to Attractive. <i>Physical Review Letters</i> , 2011, 106, 236401.	7.8	109
44	All Optical Measurement Proposed for the Photovoltaic Hall Effect. <i>Journal of Physics: Conference Series</i> , 2011, 334, 012060.	0.4	14
45	Topological Properties of Graphene and Photo-induced Effects. <i>Hyomen Kagaku</i> , 2011, 32, 196-201.	0.0	0
46	Photovoltaic Berry curvature in the honeycomb lattice. <i>Journal of Physics: Conference Series</i> , 2010, 200, 062017.	0.4	7
47	Nonequilibrium steady states in correlated electron systems – Photoinduced insulator-metal transition and optical response. <i>Journal of Physics: Conference Series</i> , 2010, 200, 012212.	0.4	0
48	Non-equilibrium superconductivity in a correlated electron system studied with the Keldysh + FLEX approach. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S928-S929.	1.2	1
49	Dielectric Breakdown of Mott Insulators in Dynamical Mean-Field Theory. <i>Physical Review Letters</i> , 2010, 105, 146404.	7.8	111
50	Dielectric breakdown in a Mott insulator: Many-body Schwinger-Landau-Zener mechanism studied with a generalized Bethe ansatz. <i>Physical Review B</i> , 2010, 81, .	3.2	52
51	Nonequilibrium superconducting and magnetic phases in a correlated electron system coupled to electrodes. <i>Physical Review B</i> , 2010, 82, .	3.2	5
52	Tight-binding photonic bands in metallophotonic waveguide networks and flat bands in kagome lattices. <i>Physical Review B</i> , 2010, 81, .	3.2	29
53	Weak-coupling quantum Monte Carlo calculations on the Keldysh contour: Theory and application to the current-voltage characteristics of the Anderson model. <i>Physical Review B</i> , 2010, 81, .	3.2	118
54	Diagrammatic Monte Carlo simulation of nonequilibrium systems. <i>Physical Review B</i> , 2009, 79, .	3.2	235

#	ARTICLE	IF	CITATIONS
55	Nonequilibrium Steady State of Photoexcited Correlated Electrons in the Presence of Dissipation. Physical Review Letters, 2009, 103, 047403.	7.8	100
56	Photovoltaic Hall effect in graphene. Physical Review B, 2009, 79, .	3.2	1,008
57	Photo-induced Hall Effect in graphene " effect of boundary types. Journal of Physics: Conference Series, 2009, 148, 012061.	0.4	5
58	Photoinduced insulator-metal transition in correlated electrons " a Floquet analysis with the dynamical mean-field theory. Journal of Physics: Conference Series, 2009, 150, 042216.	0.4	0
59	Correlated electron systems periodically driven out of equilibrium: $\langle \text{Floquet} \rangle + \langle \text{DMFT} \rangle$ Physical Review B, 2008, 78, .	3.2	148
60	Photoinduced Tomonaga-Luttinger-like liquid in a Mott insulator. Physical Review B, 2008, 78, .	3.2	22
61	Nonlinear transport in a one-dimensional Mott insulator in strong electric fields. Physica B: Condensed Matter, 2005, 359-361, 759-761.	2.7	4
62	Breakdown of an Electric-Field Driven System: A Mapping to a Quantum Walk. Physical Review Letters, 2005, 94, 100602.	7.8	89
63	Ground-State Decay Rate for the Zener Breakdown in Band and Mott Insulators. Physical Review Letters, 2005, 95, 137601.	7.8	133
64	Interfaces of Correlated Electron Systems: Proposed Mechanism for Colossal Electroresistance. Physical Review Letters, 2005, 95, 266403.	7.8	141
65	Electronic properties of alkali-metal loaded zeolites: Supercrystal Mott insulators. Physical Review B, 2004, 69, .	3.2	27
66	Breakdown of a Mott Insulator: A Nonadiabatic Tunneling Mechanism. Physical Review Letters, 2003, 91, 066406.	7.8	140