

Wang-Kong Tse

List of Publications by Year in descending order

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papers

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citations

346980

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docs citations

46
times ranked

5513
citing authors

#	ARTICLE	IF	CITATIONS
1	Particleâ€‘hole asymmetry and quantum confinement effects on the magneto-optical response of topological insulator thin-films. Journal of Applied Physics, 2022, 131, 164305.	1.1	1
2	Impurity Screening and Friedel Oscillations in Floquet-driven Two-dimensional Metals. Journal of Physics Condensed Matter, 2022, , .	0.7	0
3	Photoinduced anomalous Hall effect in two-dimensional transition metal dichalcogenides. Physical Review B, 2021, 103, .	1.1	9
4	Floquet control of indirect exchange interaction in periodically driven two-dimensional electron systems. New Journal of Physics, 2021, 23, 123031.	1.2	3
5	Electronâ€‘Hole Asymmetry of Surface States in Topological Insulator Sb ₂ Te ₃ Thin Films Revealed by Magneto-Infrared Spectroscopy. Nano Letters, 2020, 20, 4588-4593.	4.5	9
6	Nonequilibrium RKKY interaction in irradiated graphene. Physical Review Research, 2020, 2, .	1.3	12
7	Interlayer RKKY coupling in bulk Rashba semiconductors under topological phase transition. Physical Review B, 2019, 100, .	1.1	7
8	Finite-size effects in the dynamic conductivity and Faraday effect of quantum anomalous Hall insulators. Physical Review B, 2019, 100, .	1.1	1
9	Polarization dependent trion dynamics in large area CVD grown 2D monolayer MoS ₂ by terahertz time-domain spectroscopy. Journal Physics D: Applied Physics, 2019, 52, 155104.	1.3	2
10	Magneto-Coulomb Drag and Hall Drag in Double-Layer Dirac Systems. Physical Review Letters, 2019, 122, 186602.	2.9	3
11	Photon-induced suppression of interlayer tunneling in van der Waals heterostructures. Physical Review B, 2019, 99, .	1.1	4
12	Topological zero-line modes in folded bilayer graphene. Physical Review B, 2018, 98, .	1.1	16
13	Valley Hall transport of photon-dressed quasiparticles in two-dimensional Dirac semiconductors. New Journal of Physics, 2018, 20, 083007.	1.2	15
14	Theory of interaction-induced renormalization of Drude weight and plasmon frequency in chiral multilayer graphene. Physical Review B, 2017, 95, .	1.1	3
15	Relaxation dynamics of a driven two-level system coupled to a Boseâ€‘Einstein condensate: application to quantum dot-dipolar exciton gas hybrid systems. Journal of Physics Condensed Matter, 2017, 29, 465301.	0.7	0
16	Dynamical quantum anomalous Hall effect in strong optical fields. Physical Review B, 2017, 95, .	1.1	12
17	Magneto-optical effects in topological insulators. , 2016, , .		1
18	Coherent magneto-optical effects in topological insulators: Excitation near the absorption edge. Physical Review B, 2016, 94, .	1.1	8

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19	High-Resolution Faraday Rotation and Electron-Phonon Coupling in Surface States of the Bulk-Insulating Topological Insulator Cu_2S . Physical Review Letters, 2015, 115, 217602.	2.9	64
20	Radiative heat transfer in 2D Dirac materials. Journal of Physics Condensed Matter, 2015, 27, 214019.	0.7	19
21	Spin and Valley Noise in Two-Dimensional Dirac Materials. Physical Review Letters, 2014, 113, 046602.	2.9	15
22	Topological phases in gated bilayer graphene: Effects of Rashba spin-orbit coupling and exchange field. Physical Review B, 2013, 87, .	1.1	45
23	Photonic topological insulators. Nature Materials, 2013, 12, 233-239.	13.3	1,475
24	Quantized Casimir Force. Physical Review Letters, 2012, 109, 236806.	2.9	50
25	Quantum anomalous Hall effect in single-layer and bilayer graphene. Physical Review B, 2011, 83, .	1.1	211
26	Drude weight, plasmon dispersion, and ac conductivity in doped graphene sheets. Physical Review B, 2011, 84, .	1.1	153
27	Two-Dimensional Topological Insulator State and Topological Phase Transition in Bilayer Graphene. Physical Review Letters, 2011, 107, 256801.	2.9	156
28	Magneto-optical Faraday and Kerr effects in topological insulator films and in other layered quantized Hall systems. Physical Review B, 2011, 84, .	1.1	159
29	Quantum anomalous Hall effect in graphene from Rashba and exchange effects. Physical Review B, 2010, 82, .	1.1	567
30	Magneto-optical and magnetoelectric effects of topological insulators in quantizing magnetic fields. Physical Review B, 2010, 82, .	1.1	89
31	Giant Magneto-Optical Kerr Effect and Universal Faraday Effect in Thin-Film Topological Insulators. Physical Review Letters, 2010, 105, 057401.	2.9	448
32	Interaction effects in the optical conductivity of bilayer graphene: Drude-interband coupling and screening. Physical Review B, 2009, 80, .	1.1	16
33	Energy relaxation of hot Dirac fermions in graphene. Physical Review B, 2009, 79, .	1.1	169
34	Ballistic hot electron transport in graphene. Applied Physics Letters, 2008, 93, .	1.5	97
35	Chirality-Induced Dynamic Kohn Anomalies in Graphene. Physical Review Letters, 2008, 101, 066401.	2.9	25
36	Theory of Coulomb drag in graphene. Physical Review B, 2007, 76, .	1.1	71

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37	Coulomb drag and spin drag in the presence of spin-orbit coupling. Physical Review B, 2007, 75, .	1.1	32
38	Publisher's Note: Coulomb drag and spin drag in the presence of spin-orbit coupling [Phys. Rev. B75, 045333 (2007)]. Physical Review B, 2007, 75, .	1.1	0
39	Phonon-Induced Many-Body Renormalization of the Electronic Properties of Graphene. Physical Review Letters, 2007, 99, 236802.	2.9	91
40	Magnetism and anomalous Hall effect in CoTiO_3 . Physical Review Letters, 2007, 99, 236802.	1.1	35
41	Many-body interaction effects in doped and undoped graphene: Fermi liquid versus non-Fermi liquid. Physical Review B, 2007, 75, .	1.1	207
42	Intrinsic spin Hall effect in the presence of extrinsic spin-orbit scattering. Physical Review B, 2006, 74, .	1.1	37
43	Theory of light emission in sonoluminescence as thermal radiation. Physical Review E, 2006, 73, 056302.	0.8	6
44	Spin Hall Effect in Doped Semiconductor Structures. Physical Review Letters, 2006, 96, 056601.	2.9	136
45	Spin accumulation in the extrinsic spin Hall effect. Physical Review B, 2005, 72, .	1.1	63