

Matisse Wei-Yuan Tu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2919275/publications.pdf>

Version: 2024-02-01

23
papers

1,578
citations

759233

12
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

2464
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing the non-adiabatic and non-Abelian multiple-band effects via anisotropic valley Hall conduction in bilayer graphene. 2D Materials, 2021, 8, 045012.	4.4	1
2	Spin photovoltaic effect in magnetic van der Waals heterostructures. Science Advances, 2021, 7, eabg8094.	10.3	15
3	Theory of wave-packet transport under narrow gaps and spatial textures: Nonadiabaticity and semiclassicality. Physical Review B, 2020, 102, .	3.2	4
4	Giant Spin Transfer Torque in Atomically Thin Magnetic Bilayers. Chinese Physics Letters, 2020, 37, 107201.	3.3	2
5	Non-adiabatic Hall effect at Berry curvature hot spot. 2D Materials, 2020, 7, 045004.	4.4	6
6	Voltage Control of a van der Waals Spin-Filter Magnetic Tunnel Junction. Nano Letters, 2019, 19, 915-920.	9.1	129
7	Gate tuning from exciton superfluid to quantum anomalous Hall in van der Waals heterobilayer. Science Advances, 2019, 5, eaau6120.	10.3	23
8	Giant tunneling magnetoresistance in spin-filter van der Waals heterostructures. Science, 2018, 360, 1214-1218.	12.6	871
9	Switchable valley functionalities of an n - p junctions. 2D Materials, 2017, 4, 025109.	4.4	5
10	Quantum coherence of the molecular states and their corresponding currents in nanoscale Aharonov-Bohm interferometers. Physical Review B, 2016, 94, .	3.2	5
11	Transient probing of the symmetry and the asymmetry of electron interference. Physical Review B, 2016, 93, .	3.2	13
12	Non-Markovianity measure using two-time correlation functions. Physical Review A, 2015, 92, .	2.5	41
13	ZhangetAl.Reply:. Physical Review Letters, 2015, 115, 168902.	7.8	1
14	Real-time dynamics of spin-dependent transport through a double-quantum-dot Aharonov-Bohm interferometer with spin-orbit interaction. Physical Review B, 2014, 90, .	3.2	9
15	Precision control of charge coherence in parallel double dot systems through spin-orbit interaction. Journal of Chemical Physics, 2013, 139, 064706.	3.0	4
16	Coherent control of double-dot molecules using Aharonov-Bohm magnetic flux. Physical Review B, 2012, 86, .	3.2	6
17	Dynamically stabilized decoherence-free states in non-Markovian open fermionic systems. Physical Review A, 2012, 86, .	2.5	16
18	General Non-Markovian Dynamics of Open Quantum Systems. Physical Review Letters, 2012, 109, 170402.	7.8	272

#	ARTICLE	IF	CITATIONS
19	Transient quantum transport in double-dot Aharonov-Bohm interferometers. Physical Review B, 2012, 86, .	3.2	22
20	Intrinsic coherence dynamics and phase localization in nanoscale Aharonov-Bohm interferometers. Physical Review B, 2011, 83, .	3.2	16
21	Non-equilibrium quantum theory for nanodevices based on the Feynmanâ€™Vernon influence functional. New Journal of Physics, 2010, 12, 083013.	2.9	95
22	Exact master equation and non-markovian decoherence for quantum dot quantum computing. Quantum Information Processing, 2009, 8, 631-646.	2.2	22
23	Non-Markovian decoherence dynamics of electrons in a double quantum dot system. , 2008, , .		0