Yue Ban

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5132727/publications.pdf

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34	680	623574	580701
papers	citations	14 h-index	25 g-index

36	36	36	532
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tunable lateral displacement and spin beam splitter for ballistic electrons in two-dimensional magnetic-electric nanostructures. Physical Review B, 2008, 77, .	1.1	84
2	Fast and Robust Spin Manipulation in a Quantum Dot by Electric Fields. Physical Review Letters, 2012, 109, 206602.	2.9	65
3	Electronic analogy of the Goosâ€“HÃnchen effect: a review. Journal of Optics (United Kingdom), 2013, 15, 033001.	1.0	64
4	Collapse of spin-orbit-coupled Bose-Einstein condensates. Physical Review A, 2015, 91, .	1.0	52
5	Fast and robust control of two interacting spins. Physical Review A, 2018, 97, .	1.0	38
6	Novel displacement in transmission through a two-dimensional semiconductor barrier. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 354, 161-165.	0.9	36
7	Graphene-assisted resonant transmission and enhanced Goosâ€“HÃnchen shift in a frustrated total internal reflection configuration. Optics Letters, 2016, 41, 4468.	1.7	32
8	Energetics of Sensing and Communication in Electric Fish: A Blessing and a Curse in the Anthropocene?. Integrative and Comparative Biology, 2016, 56, 889-900.	0.9	31
9	Time scales of tunneling decay of a localized state. Physical Review A, 2010, 82, .	1.0	22
10	Explanation and observability of diffraction in time. Physical Review A, 2011, 83, .	1.0	20
11	Time-optimal quantum control of nonlinear two-level systems. Physical Review A, 2016, 94, .	1.0	19
12	Voltage-tunable lateral shifts of ballistic electrons in semiconductor quantum slabs. Journal of Applied Physics, 2009, 105, .	1.1	18
13	Inverse engineering for fast transport and spin control of spin-orbit-coupled Bose-Einstein condensates in moving harmonic traps. Physical Review A, 2018, 97, .	1.0	18
14	Delay time and Hartman effect in strain engineered graphene. Journal of Applied Physics, 2014, 115, 173703.	1.1	17
15	Short-length and robust polarization rotators in periodically poled lithium niobate via shortcuts to adiabaticity. Optics Express, 2014, 22, 24169.	1.7	16
16	Counter-diabatic driving for fast spin control in a two-electron double quantum dot. Scientific Reports, 2014, 4, 6258.	1.6	15
17	A highly polarized excitable cell separates sodium channels from sodium-activated potassium channels by more than a millimeter. Journal of Neurophysiology, 2015, 114, 520-530.	0.9	13
18	Fast long-range charge transfer in quantum dot arrays. Nanotechnology, 2018, 29, 505201.	1.3	13

#	Article	IF	Citations
19	Spin Entangled State Transfer in Quantum Dot Arrays: Coherent Adiabatic and Speedâ€Up Protocols. Advanced Quantum Technologies, 2019, 2, 1900048.	1.8	13
20	Tunable delay time and Hartman effect in graphene magnetic barriers. Journal of Applied Physics, 2015, 117, 164307.	1.1	12
21	Shape-dependent charge and spin transport through an electron waveguide. Journal of Applied Physics, 2013, 113, .	1.1	11
22	Quantum state engineering of spin-orbit-coupled ultracold atoms in a Morse potential. Physical Review A, 2015, 91, .	1.0	11
23	Machine-Learning-Assisted Quantum Control in a Random Environment. Physical Review Applied, 2022, 17, .	1.5	9
24	Spin-dependent electron transport in waveguide with continuous shape. Applied Physics Letters, 2011, 99, 112101.	1.5	8
25	Robust Detection of High-Frequency Signals at the Nanoscale. Physical Review Applied, 2020, 14, .	1.5	8
26	Prickle promotes the formation and maintenance of glutamatergic synapses by stabilizing the intercellular planar cell polarity complex. Science Advances, 2021, 7, eabh2974.	4.7	8
27	Fast creation and transfer of coherence in triple quantum dots by using shortcuts to adiabaticity. Optics Express, 2018, 26, 31137.	1.7	7
28	Spin dynamics in tunneling decay of a metastable state. Physical Review A, 2012, 85, .	1.0	6
29	Neural-network-based parameter estimation for quantum detection. Quantum Science and Technology, 2021, 6, 045012.	2.6	6
30	Controllable negative and positive group delay in transmission through a single quantum well at finite magnetic fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 364, 76-80.	0.9	2
31	Voltage-tunable group delay of an electron wave packet through a single quantum potential well. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 399-402.	1.3	2
32	Electronic Transport in Asymmetric Graphene Superlattice with Internal Potential Well. Journal of the Physical Society of Japan, 2015, 84, 064702.	0.7	2
33	Derived loss of signal complexity and plasticity in a genus of weakly electric fish. Journal of Experimental Biology, 2021, 224, .	0.8	2
34	Spin Tunneling and Manipulation in Nanostructures. Journal of Nanoscience and Nanotechnology, 2012, 12, 7535-7539.	0.9	0