

Mikhail V Erementchouk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4599231/publications.pdf>

Version: 2024-02-01

34
papers

524
citations

840776

11
h-index

642732

23
g-index

34
all docs

34
docs citations

34
times ranked

1103
citing authors

#	ARTICLE	IF	CITATIONS
1	On computational capabilities of Ising machines based on nonlinear oscillators. Physica D: Nonlinear Phenomena, 2022, , 133334.	2.8	4
2	Continuous-variable quantum key distribution with discretized modulations in the strong noise regime. Physical Review A, 2020, 101, .	2.5	2
3	Spoof Plasmon Interconnectsâ€™ Communications Beyond RC Limit. IEEE Transactions on Communications, 2019, 67, 599-610.	7.8	29
4	Weyl fermions in cylindrical wires. Physical Review B, 2018, 97, .	3.2	6
5	Spoof surface plasmon resonant tunneling mode with high quality and Purcell factors. Physical Review B, 2017, 95, .	3.2	17
6	Helicity-dependent scattering in layered Weyl semimetals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2866-2871.	2.1	2
7	Electronic and optical properties of vacancy defects in single-layer transition metal dichalcogenides. Physical Review B, 2017, 95, .	3.2	53
8	Dirac electrons in the presence of a matrix potential barrier: application to graphene and topological insulators. Journal of Physics Condensed Matter, 2016, 28, 115501.	1.8	7
9	Electrodynamics of spoof plasmons in periodically corrugated waveguides. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160616.	2.1	24
10	Towards developing a compact model for magnetization switching in straintronics magnetic random access memory devices. Journal of Applied Physics, 2016, 120, .	2.5	6
11	Spoof Surface Plasmon Polariton Beam Splitter. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 832-839.	3.1	24
12	Optical signatures of states bound to vacancy defects in monolayer MoS_2 . Physical Review B, 2015, 92, .	3.2	103
13	Entanglement Dynamics of Second Quantized Quantum Fields. ISRN Mathematical Analysis, 2014, 2014, 1-19.	0.4	1
14	Tuning the electrical property <i>via</i> defect engineering of single layer MoS_2 by oxygen plasma. Nanoscale, 2014, 6, 10033-10039.	5.6	202
15	Deterministic generation of many-photon GHZ states using quantum dots in a cavity. , 2014, , .		0
16	Non-local coherent coupling between excitons in a disordered quantum well. New Journal of Physics, 2013, 15, 075026.	2.9	3
17	Coherent coupling between exciton resonances governed by the disorder potential. Physical Review B, 2013, 88, .	3.2	8
18	Statistics of irreversible displacements of domain walls in nanowires. European Physical Journal B, 2011, 83, 83-91.	1.5	4

#	ARTICLE	IF	CITATIONS
19	2d Fourier spectroscopy of disordered quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1141-1144.	0.8	2
20	Correlated electrical breakdown in arrays of high density aligned carbon nanotubes. Applied Physics Letters, 2011, 98, 243121.	3.3	20
21	Probing many-body interactions in a disordered semiconductor quantum well with electronic two-dimensional Fourier transform spectroscopy. Proceedings of SPIE, 2010, , .	0.8	0
22	Entanglement of photons due to nonlinear optical response of quantum wells. Physical Review B, 2010, 81, .	3.2	5
23	Complex dynamics of photon entanglement in the two-mode Jaynes-Cummings model. Nanotechnology, 2010, 21, 274019.	2.6	2
24	Nonperturbative phenomena in semiconductor four-wave mixing spectra. Physical Review B, 2009, 79, .	3.2	3
25	Radiative energy transfer in disordered photonic crystals. Journal of Physics Condensed Matter, 2009, 21, 175401.	1.8	5
26	Rabi oscillations in semiconductor multiwave mixing response. Physical Review B, 2008, 78, .	3.2	1
27	Many-body interaction in semiconductors probed with two-dimensional Fourier spectroscopy. Physical Review B, 2007, 76, .	3.2	11
28	Emission spectroscopy of ZnO inverse opal photonic crystals. , 2007, , .		0
29	Photoluminescence spectroscopy of one-dimensional resonant photonic crystals. Journal of Luminescence, 2007, 125, 112-117.	3.1	11
30	One-dimensional photonic crystals based on periodic multiple quantum well structures. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 805-808.	0.8	3
31	Exciton luminescence in MQW based photonic crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 3903-3907.	0.8	0
32	Scaling properties of 1D Anderson model with correlated diagonal disorder. Physica B: Condensed Matter, 2003, 338, 79-81.	2.7	8
33	Spectral engineering with defect multiple-quantum-well structures. Applied Physics Letters, 2003, 83, 4562-4564.	3.3	5
34	Direct-current generation due to wave mixing in semiconductors. Europhysics Letters, 1999, 47, 595-600.	2.0	38