Ilya V Ponomarev

List of Publications by Year
in descending order

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Version: 2024-02-01

29 papers	1,374 citations	471509 17 h-index	677142 22 g-index
30 all docs	30 docs citations	30 times ranked	1057 citing authors

#	Article	IF	Citations
1	Two-photon absorption by a quantum dot pair. Physical Review B, 2015, 92, .	3.2	8
2	Predicting highly cited papers: A Method for Early Detection of Candidate Breakthroughs. Technological Forecasting and Social Change, 2014, 81, 49-55.	11.6	55
3	Breakthrough paper indicator 2.0: can geographical diversity and interdisciplinarity improve the accuracy of outstanding papers prediction?. Scientometrics, 2014, 100, 755-765.	3.0	17
4	Measuring the evolution and output of cross-disciplinary collaborations within the NCI Physical Sciences-Oncology Centers Network. Research Evaluation, 2013, 22, 285-297.	2.6	23
5	Entangled photon pair generation with quantum dot molecules. Journal of the Optical Society of America B: Optical Physics, 2012, 29, A82.	2.1	7
6	Magneto-optical cavity quantum electrodynamics effects in quantum dot - micropillar systems. Journal of Physics: Conference Series, 2011, 334, 012011.	0.4	1
7	Physics of micropillars with quantum dots - growth, patterning, and spectroscopy. , 2011, , .		0
8	Exciton spin state mediated photon-photon coupling in a strongly coupled quantum dot microcavity system. Physical Review B, 2010, 82, .	3.2	29
9	Magneto-Optical Cavity Quantum Electrodynamics Effects in Quantum Dot Micropillar Systems. , 2010, , .		0
10	Two-Photon Spectroscopy of InAs Quantum Dot Molecules. , 2009, , .		0
11	Optically mapping the electronic structure of coupled quantum dots. Nature Physics, 2008, 4, 291-295.	16.7	66
12	Optical spectra of doubly charged quantum dot molecules in electric and magnetic fields. Physical Review B, 2008, 78, .	3.2	50
13	Spin fine structure of optically excited quantum dot molecules. Physical Review B, 2007, 75, .	3.2	75
14	Photoluminescence Spectroscopy of the Molecular Biexciton in Vertically Stacked InAs-GaAs Quantum Dot Pairs. Physical Review Letters, 2007, 99, 197402.	7.8	40
15	Optical Spectroscopy Of Charged Quantum Dot Molecules. AIP Conference Proceedings, 2007, , .	0.4	0
16	Theory of Spin States of Quantum Dot Molecules. AIP Conference Proceedings, 2007, , .	0.4	0
17	Engineering electron and hole tunneling with asymmetric InAs quantum dot molecules. Applied Physics Letters, 2006, 89, 233110.	3.3	144
18	Optical Signatures of Coupled Quantum Dots. Science, 2006, 311, 636-639.	12.6	442

#	Article	IF	Citations
19	Coherent photonic coupling of semiconductor quantum dots. Optics Letters, 2006, 31, 1738.	3.3	43
20	Electrically TunablegFactors in Quantum Dot Molecular Spin States. Physical Review Letters, 2006, 97, 197202.	7.8	104
21	Self-consistent approach for calculations of exciton binding energy in quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 25, 539-553.	2.7	22
22	The effect of inter-wall correlations and electric field on inhomogeneous broadening of excitons in quantum wells. AIP Conference Proceedings, 2005, , .	0.4	0
23	New efficient approach to calculation exciton resonance position and width for quantum-confined Stark effect in shallow quantum wells. AIP Conference Proceedings, 2005, , .	0.4	0
24	Surface roughness and effective stick-slip motion. Physical Review E, 2003, 67, 026302.	2.1	47
25	Leaky interface phonons inAlxGa1âˆ’xAs/GaAsstructures. Physical Review B, 2001, 63, .	3.2	18
26	New Class of Magnetoresistance Oscillations: Interaction of a Two-Dimensional Electron Gas with Leaky Interface Phonons. Physical Review Letters, 2001, 86, 3614-3617.	7.8	90
27	Spin-spin interaction and magnetic state of a two-dimensional Wigner crystal. Physical Review B, 1999, 59, 4163-4169.	3.2	12
28	Quantum chaos in many-body systems: what can we learn from the Ce atom?. Physica D: Nonlinear Phenomena, 1999, 131, 205-220.	2.8	45
29	Coherent propagation of interacting particles in a random potential: The mechanism of enhancement. Physical Review B, 1997, 56, 3742-3759.	3.2	34