

Ivan A Dmitriev

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclotron resonance overtones and near-field magnetoabsorption via terahertz Bernstein modes in graphene. <i>Nature Physics</i> , 2022, 18, 462-467.	6.5	16
2	Terahertz Magnetospectroscopy of Cyclotron Resonances from Topological Surface States in Thick Films of Cd x Hg 1- α x Te. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000023.	0.7	8
3	High harmonics of the cyclotron resonance in microwave transmission of a high-mobility two-dimensional electron system. <i>Physical Review Research</i> , 2021, 3, .	1.3	4
4	Strong Interminivalley Scattering in Twisted Bilayer Graphene Revealed by High-Temperature Magneto-Oscillations. <i>Physical Review Letters</i> , 2021, 127, 056802.	2.9	11
5	Terahertz photoresistivity of a high-mobility 3D topological insulator based on a strained HgTe film. <i>Applied Physics Letters</i> , 2020, 117, 201103.	1.5	6
6	Observation of Terahertz-Induced Magnetooscillations in Graphene. <i>Nano Letters</i> , 2020, 20, 5943-5950.	4.5	12
7	Microwave response of interacting oxide two-dimensional electron systems. <i>Physical Review B</i> , 2020, 102, .	1.1	3
8	Acoustoelectric Study of Microwave-Induced Current Domains. <i>Physical Review Letters</i> , 2020, 124, 117601.	2.9	3
9	Self-oscillations and noise-induced flips of spontaneous electric field in microwave-induced zero resistance state. <i>Europhysics Letters</i> , 2019, 126, 57004.	0.7	3
10	Cyclotron-resonance-induced photogalvanic effect in surface states of 200-nm-thick strained HgTe films. <i>Physical Review Materials</i> , 2019, 3, .	0.9	4
11	Sign-alternating photoconductivity and magnetoresistance oscillations induced by terahertz radiation in HgTe quantum wells. <i>Physical Review B</i> , 2018, 98, .	1.1	8
12	Magnetoresistance oscillations induced by high-intensity terahertz radiation. <i>Physical Review B</i> , 2017, 96, .	1.1	10
13	Fine structure of high-power microwave-induced resistance oscillations. <i>Physical Review B</i> , 2017, 95, .	1.1	13
14	Hall field-induced resistance oscillations in a tunable-density GaAs quantum well. <i>Physical Review B</i> , 2017, 96, .	1.1	6
15	Evidence for non-Markovian electron dynamics in the microwave absorption of a two-dimensional electron system. <i>Physical Review B</i> , 2017, 96, .	1.1	8
16	Sensitivity of the anomalous Hall effect to disorder correlations. <i>Physical Review B</i> , 2017, 96, .	1.1	26
17	Analog of microwave-induced resistance oscillations induced in GaAs heterostructures by terahertz radiation. <i>Physical Review B</i> , 2016, 94, .	1.1	38
18	Observation of microwave induced resistance and photovoltage oscillations in MgZnO/ZnO heterostructures. <i>Physical Review B</i> , 2016, 93, .	1.1	30

#	ARTICLE	IF	CITATIONS
19	Anomalous Hall Effect in a 2D Rashba Ferromagnet. Physical Review Letters, 2016, 117, 046601.	2.9	39
20	Spin-Selective Electron Quantum Transport in Nonmagnetic MgZnO . Physical Review Letters, 2015, 115, 197601.	2.9	12
21	Anomalous Hall effect with massive Dirac fermions. Europhysics Letters, 2015, 111, 37004.	0.7	69
22	Anharmonicity-assisted multiphonon transitions between distant levels in semiconductor quantum dots. Physical Review B, 2014, 90, .	1.1	3
23	Relaxation of optically excited carriers in graphene: Anomalous diffusion and Λ flights. Physical Review B, 2014, 89, .	1.1	12
24	Emergence of Domains and Nonlinear Transport in the Zero-Resistance State. Physical Review Letters, 2013, 111, 206801.	2.9	12
25	Quantum magneto-oscillations in the ac conductivity of disordered graphene. Physical Review B, 2013, 87, .	1.1	16
26	Nonequilibrium phenomena in high Landau levels. Reviews of Modern Physics, 2012, 84, 1709-1763.	16.4	184
27	Nonequilibrium magnetooscillations in spatially non-uniform quantum Hall systems. Journal of Physics: Conference Series, 2011, 334, 012015.	0.3	6
28	Negative conductivity and anomalous screening in two-dimensional electron systems subjected to microwave radiation. Physical Review B, 2011, 84, .	1.1	13
29	Photogalvanic effects originating from the violation of the Einstein relation in a 2D electron gas in high Landau levels. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1159-1162.	1.3	4
30	Publisher's Note: Quantum oscillations in the microwave magnetoabsorption of a two-dimensional electron gas [Phys. Rev. B 81 , 201302(R) (2010)]. Physical Review B, 2010, 81, .	1.1	3
31	Phonon-induced resistance oscillations of two-dimensional electron systems drifting with supersonic velocities. Physical Review B, 2010, 82, .	1.1	19
32	Quantum oscillations in the microwave magnetoabsorption of a two-dimensional electron gas. Physical Review B, 2010, 81, .	1.1	43
33	Theory of microwave-induced photocurrent and photovoltage magneto-oscillations in a spatially nonuniform two-dimensional electron gas. Physical Review B, 2009, 80, .	1.1	31
34	Mechanisms of the microwave photoconductivity in two-dimensional electron systems with mixed disorder. Physical Review B, 2009, 80, .	1.1	80
35	INTEGER AND FRACTIONAL MAGNETOOSCILLATIONS IN IRRADIATED QUANTUM HALL SYSTEMS. International Journal of Modern Physics B, 2009, 23, 2678-2683.	1.0	0
36	Magnetotransport of electrons in quantum Hall systems. Physica Status Solidi (B): Basic Research, 2008, 245, 239-259.	0.7	16

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37	Fractional microwave-induced resistance oscillations. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1332-1334.	1.3	2
38	Quantum dot cascade laser: Arguments in favor. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2007-2009.	1.3	11
39	Theory of Fractional Microwave-Induced Resistance Oscillations. Physical Review Letters, 2007, 99, 206805.	2.9	46
40	Microwave photoconductivity of a two-dimensional electron gas: Mechanisms and their interplay at high radiation power. Physical Review B, 2007, 75, .	1.1	81
41	Fractional features in radiation-induced oscillations of the magnetoresistance of two-dimensional electron systems. JETP Letters, 2007, 85, 86-91.	0.4	33
42	Quantum cascade lasers based on quantum dot superlattice. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 987-991.	0.8	26
43	Theory of microwave-induced oscillations in the magnetoconductivity of a two-dimensional electron gas. Physical Review B, 2005, 71, .	1.1	295
44	Theory of the oscillatory photoconductivity of a two-dimensional electron system. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 25, 205-211.	1.3	17
45	Oscillatory ac conductivity and photoconductivity of a two-dimensional electron gas: Quasiclassical transport beyond the Boltzmann equation. Physical Review B, 2004, 70, .	1.1	58
46	Compressibility of a two-dimensional electron gas under microwave radiation. Physical Review B, 2004, 70, .	1.1	31
47	Cyclotron-Resonance Harmonics in the ac Response of a 2D Electron Gas with Smooth Disorder. Physical Review Letters, 2003, 91, 226802.	2.9	159
48	Bloch oscillations in quantum dot superlattices. Physics-Usppekhi, 2003, 46, 745-751.	0.8	8
49	QUANTUM DOT SUPERLATTICES IN A CONSTANT ELECTRIC FIELD: LOCALIZATION AND BLOCH OSCILLATIONS. , 2003, , .		0
50	QUANTUM DOT SUPERLATTICES IN A CONSTANT ELECTRIC FIELD: LOCALIZATION AND BLOCH OSCILLATIONS. International Journal of High Speed Electronics and Systems, 2002, 12, 583-592.	0.3	1
51	Damping of bloch oscillations in quantum dot superlattices: A general approach. Semiconductors, 2002, 36, 1364-1374.	0.2	15
52	Damping of bloch oscillations in one-, two-, and three-dimensional quantum-dot superlattices. Semiconductors, 2002, 36, 1375-1384.	0.2	5
53	Electron localization and bloch oscillations in quantum-dot superlattices under a constant electric field. Semiconductors, 2001, 35, 212-219.	0.2	26