

# G V Budkin

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

290  
citations

1039880

9  
h-index

887953

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g-index

22  
all docs

22  
docs citations

22  
times ranked

302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin splitting in low-symmetry quantum wells beyond Rashba and Dresselhaus terms. Physical Review B, 2022, 105, .	1.1	5
2	Terahertz Magnetospectroscopy of Cyclotron Resonances from Topological Surface States in Thick Films of Cd x Hg 1- $\alpha$ x Te. Physica Status Solidi (B): Basic Research, 2021, 258, 2000023.	0.7	8
3	Hot exciton relaxation in coupled ultra-thin CdTe/ZnTe quantum well structures. Journal of Luminescence, 2021, 230, 117762.	1.5	1
4	The drag of photons by electric current in quantum wells. Journal of Physics Condensed Matter, 2021, 33, 165301.	0.7	1
5	Strongly Confined Excitons in GaN/AlN Nanostructures with Atomically Thin GaN Layers for Efficient Light Emission in Deep-Ultraviolet. Nano Letters, 2020, 20, 158-165.	4.5	22
6	Thermal generation of shift electric current. New Journal of Physics, 2020, 22, 013005.	1.2	6
7	Impact Ionization Induced by Terahertz Radiation in HgTe Quantum Wells of Critical Thickness. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 1155-1169.	1.2	3
8	Symmetry breaking and circular photogalvanic effect in epitaxial $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:msub><mml:mi>\text{Cd}</mml:mi><mml:mi>\times</mml:mi><mml:mi>\alpha</mml:mi></mml:msub></mml:mrow></mml:math \rangle$ films. Physical Review Materials, 2020, 4, .	0.9	11
9	High-frequency impact ionization and nonlinearity of photocurrent induced by intense terahertz radiation in HgTe-based quantum well structures. Physical Review B, 2019, 99, .	1.1	6
10	Cyclotron-resonance-induced photogalvanic effect in surface states of 200-nm-thick strained HgTe films. Physical Review Materials, 2019, 3, .	0.9	4
11	Hot Excitons Contribution into the Photoluminescence of Self-Assembled Quantum Dots in CdSe/ZnSe Heterostructures under Different Excitation Conditions. Semiconductors, 2018, 52, 1795-1797.	0.2	1
12	Magnetic quantum ratchet effect in (Cd,Mn)Te- and CdTe-based quantum well structures with a lateral asymmetric superlattice. Physical Review B, 2017, 95, .	1.1	15
13	Charge and energy transfer in double asymmetric quantum wells with quantum dots. Journal of Experimental and Theoretical Physics, 2017, 124, 740-750.	0.2	7
14	Magnetic ratchet effects in a two-dimensional electron gas. JETP Letters, 2016, 104, 649-656.	0.4	11
15	Ratchet transport of a two-dimensional electron gas at cyclotron resonance. Physical Review B, 2016, 93, .	1.1	14
16	Cyclotron-resonance-assisted photocurrents in surface states of a three-dimensional topological insulator based on a strained high-mobility HgTe film. Physical Review B, 2015, 92, .	1.1	74
17	Hot exciton relaxation in multiple layers CdSe/ZnSe self-assembled quantum dots separated by thick ZnSe barriers. Journal of Physics: Conference Series, 2015, 643, 012075.	0.3	1
18	Orbital magnetic ratchet effect. Physical Review B, 2014, 90, .	1.1	13

#	ARTICLE	IF	CITATIONS
19	Cyclotron-resonance-assisted photon drag effect in InSb/InAlSb quantum wells excited by terahertz radiation. <i>Physical Review B</i> , 2014, 89, .	1.1	10
20	Giant photocurrents in a Dirac fermion system at cyclotron resonance. <i>Physical Review B</i> , 2013, 87, .	1.1	65
21	Spin-polarized currents of Dirac fermions at cyclotron resonance. , 2013, , .		0
22	Heating and cooling of a two-dimensional electron gas by terahertz radiation. <i>Journal of Experimental and Theoretical Physics</i> , 2011, 112, 656-663.	0.2	2