

S V Mironov

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Giant electromagnetic proximity effect in superconductor/ferromagnet superlattices. Physical Review B, 2022, 105, .	1.1	2
2	Spin-orbit coupling suppression and singlet-state blocking of spin-triplet Cooper pairs. Science Advances, 2021, 7, .	4.7	14
3	Phase transitions in superconductor/ferromagnet bilayer driven by spontaneous supercurrents. Physical Review B, 2021, 103, .	1.1	11
4	Inverse Faraday Effect for Superconducting Condensates. Physical Review Letters, 2021, 126, 137002.	2.9	13
5	Effect of spin-triplet correlations on Josephson transport in atomically thin superconductor/half-metal/superconductor structures. Physical Review B, 2021, 103, .	1.1	2
6	Giant demagnetization effects induced by superconducting films. Applied Physics Letters, 2021, 119, .	1.5	6
7	Spontaneous Currents and Topologically Protected States in Superconducting Hybrid Structures with the Spin-Orbit Coupling (Brief Review). JETP Letters, 2021, 113, 34-46.	0.4	6
8	Electromagnetic Proximity Effect and the Fulde-Ferrell-Larkin-Ovchinnikov Instability in Hybrid Superconductor-Ferromagnet Structures (Brief Review). JETP Letters, 2021, 113, 92-101.	0.4	9
9	Collective magnetic and plasma excitations in Josephson \tilde{I} junctions. Physical Review B, 2021, 104, .	1.1	4
10	Sedeonic Equations in Field Theory. Advances in Applied Clifford Algebras, 2020, 30, 1.	0.5	7
11	Generalized sedeonic equations of hydrodynamics. European Physical Journal Plus, 2020, 135, 1.	1.2	9
12	Magnetic flux pumping in superconducting loop containing a Josephson \tilde{I} junction. Applied Physics Letters, 2020, 116, 162601.	1.5	8
13	Crossover between standard and inverse spin-valve effect in atomically thin superconductor/half-metal structures. Physical Review B, 2019, 100, .	1.1	3
14	Theory of Magnetic Domain Phases in Ferromagnetic Superconductors. Physical Review Letters, 2019, 122, 117002.	2.9	27
15	Electromagnetic proximity effect controlled by spin-triplet correlations in superconducting spin-valve structures. Physical Review B, 2019, 99, .	1.1	22
16	<i>In-situ</i> creation and control of Josephson junctions with a laser beam. Applied Physics Letters, 2019, 114, .	1.5	10
17	Photoinduced Local Nonequilibrium States in Superconductors: Hot Spot Model. JETP Letters, 2018, 108, 270-278.	0.4	4
18	Sedeonic Field Equations for Dyons. Advances in Applied Clifford Algebras, 2018, 28, 1.	0.5	8

#	ARTICLE	IF	CITATIONS
19	Electromagnetic proximity effect in planar superconductor-ferromagnet structures. Applied Physics Letters, 2018, 113, .	1.5	42
20	Temperature Controlled Fulde-Ferrell-Larkin-Ovchinnikov Instability in Superconductor-Ferromagnet Hybrids. Physical Review Letters, 2018, 121, 077002.	2.9	20
21	Spontaneous Currents in Superconducting Systems with Strong Spin-Orbit Coupling. Physical Review Letters, 2017, 118, 077001.	2.9	42
22	Sedeonic equations of ideal fluid. Journal of Mathematical Physics, 2017, 58, 083101.	0.5	6
23	Spin-valve effect in superconductor/ferromagnet/ferromagnet and ferromagnet/superconductor/ferromagnet structures of atomic thickness. Physical Review B, 2017, 95, .	1.1	11
24	Anomalous Josephson effect controlled by an Abrikosov vortex. Physical Review B, 2017, 96, .	1.1	19
25	Two Types of Lorentz Transformations for Massless Fields. Journal of Geometry and Symmetry in Physics, 2017, 44, 83-96.	0.1	4
26	Magnetic mapping of defects in type-II superconductors. Applied Physics Letters, 2016, 108, .	1.5	3
27	Effective model for a short Josephson junction with a phase discontinuity. Physical Review B, 2016, 93, .	1.1	8
28	Optical manipulation of single flux quanta. Nature Communications, 2016, 7, 12801.	5.8	65
29	Gauge Invariance of Sedeonic Equations for Massive and Massless Fields. International Journal of Theoretical Physics, 2016, 55, 3105-3119.	0.5	9
30	Triplet proximity effect in superconducting heterostructures with a half-metallic layer. Physical Review B, 2015, 92, .	1.1	56
31	Double Path Interference and Magnetic Oscillations in Cooper Pair Transport through a Single Nanowire. Physical Review Letters, 2015, 114, 227001.	2.9	35
32	Direct Evidence of Flexomagnetoelectric Effect Revealed by Single-Molecule Spectroscopy. Physical Review Letters, 2015, 115, 027601.	2.9	30
33	Sedeonic Equations of Massive Fields. International Journal of Theoretical Physics, 2015, 54, 153-168.	0.5	19
34	Standard, inverse, and triplet spin-valve effects in F1/S/F2 systems. Physical Review B, 2014, 89, .	1.1	17
35	Sedeonic Equations of Gravitoelectromagnetism. Journal of Modern Physics, 2014, 05, 917-927.	0.3	13
36	Reformulation of Relativistic Quantum Mechanics Equations with Non-Commutative Sedeons. Applied Mathematics, 2013, 04, 53-60.	0.1	18

#	ARTICLE	IF	CITATIONS
37	Vanishing Meissner effect as a Hallmark of inâ€“Plane Fulde-Ferrell-Larkin-Ovchinnikov Instability in Superconductorâ€“Ferromagnet Layered Systems. Physical Review Letters, 2012, 109, 237002.	2.9	57
38	Anisotropy and effective dimensionality crossover of the fluctuation conductivity of hybrid superconductor/ferromagnet structures. Physical Review B, 2012, 86, .	1.1	0
39	Penetration of the magnetic field into the twinning plane in type-I and -II superconductors. Physical Review B, 2012, 86, .	1.1	1
40	Fluctuations in a mesoscopic superconducting ring: Resonant behavior of conductivity and specific heat in the two-mode critical regime. Physical Review B, 2011, 84, .	1.1	1
41	Dephasing time and magnetoresistance of two-dimensional electron gas in spatially modulated magnetic fields. Physical Review B, 2010, 81, .	1.1	4
42	Octonic representation of electromagnetic field equations. Journal of Mathematical Physics, 2009, 50, 012901.	0.5	55
43	Octonic second-order equations of relativistic quantum mechanics. Journal of Mathematical Physics, 2009, 50, 012302.	0.5	21
44	SEDEONIC GENERALIZATION OF RELATIVISTIC QUANTUM MECHANICS. International Journal of Modern Physics A, 2009, 24, 6237-6254.	0.5	17
45	OCTONIC FIRST-ORDER EQUATIONS OF RELATIVISTIC QUANTUM MECHANICS. International Journal of Modern Physics A, 2009, 24, 4157-4167.	0.5	25
46	Stable non-singular cosmologies in beyond Horndeski theory and disformal transformations. International Journal of Modern Physics A, 0, , .	0.5	3