Semyon Bobin

List of Publications by Year
in descending order

10 papers	45 citations	1937685 4 h-index	1720034 7 g-index
10 all docs	10 docs citations	10 times ranked	31 citing authors

#	Article	IF	Citations
1	Large linear magnetoresistance in single HgSe crystals induced by low-concentration Co impurity. Applied Physics Letters, 2021, 118, .	3.3	2
2	Laser Pumpâ€Probe Fiberâ€Optic Technique for Characterization of Nearâ€Surface Layers of Solids: Development and Application Prospects for Studying Semiconductors and Weyl Semimetals. Annalen Der Physik, 2020, 532, 1900586.	2.4	6
3	Observation of quantum topological Hall effect in the Weyl semimetal candidate HgSe. Journal of Physics Condensed Matter, 2019, 31, 405706.	1.8	8
4	Nontrivial topology of bulk HgSe from the study of cyclotron effective mass, electron mobility and phase shift of Shubnikovâ€“de Haas oscillations. Journal of Physics Condensed Matter, 2019, 31, 115701.	1.8	8
5	Peculiar behavior of magnetoresistance in HgSe single crystal with low electron concentration. Applied Physics Letters, 2018, 112, 082101.	3.3	10
6	Thermodynamic anomalous Hall effect in quantum oscillation regime in a semiconductor with low concentration of transition element impurities. Journal of Magnetism and Magnetic Materials, 2017, 440, 2-4.	2.3	2
7	Experimental detection of quantum oscillations of anomalous Hall resistance in mercury selenide crystals with cobalt impurities. Low Temperature Physics, 2017, 43, 504-507.	0.6	2
8	New data and developments pertaining to ideas about the electron system of hybridized states of cobalt impurity atoms in a mercury selenide crystal. Low Temperature Physics, 2017, 43, 508-514.	0.6	4
9	Observation of manifestations of spontaneous magnetization currents in the crystals of HgSe with low concentration impurities of 3d-transition metal. Technical Physics Letters, 2017, 43, 57-60.	0.7	0
10	Revealing the low-temperature effect of strengthening the magnetism of iron-vanadium-aluminum alloy upon small variation of the non-transition element content in the stoichiometric composition. Low Temperature Physics, 2016, 42, 230-231.	0.6	3