

# Ilya I Maglevanny

## List of Publications by Year in descending order

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19  
papers

49  
citations

1937685

4  
h-index

1872680

6  
g-index

19  
all docs

19  
docs citations

19  
times ranked

33  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric-field-induced magnetoresistance of lateral superlattices. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 4509-4514.	1.8	8
2	Differential thermopower of a superlattice in a strong electric field. <i>Physics of the Solid State</i> , 1999, 41, 1201-1203.	0.6	7
3	Extrapolation of the Bethe equation for electron stopping powers to intermediate and low electron energies by empirical simulation of target effective mean excitation energy and atomic number. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2013, 316, 123-129.	1.4	6
4	Electric-field-induced ferroelectricity of electron gas. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 6995-7002.	1.8	4
5	The constructive procedure for solving the problems of electron transport in the multi-layer specimens for the normally incident electron beam. 1. Solution of the model transport equations for a point beam : energy and charge deposition. <i>Vacuum</i> , 1995, 46, 1261-1269.	3.5	3
6	Electric-Field-Induced Ettingshausen Effect in a Superlattice. <i>Physica Status Solidi (B): Basic Research</i> , 2000, 219, 115-123.	1.5	3
7	The Non-Equilibrium Electron Gas as a Ferroelectric. <i>Physica Status Solidi (B): Basic Research</i> , 1998, 206, 691-699.	1.5	2
8	Ferromagnetic and ferroelectric properties of nonequilibrium electron gas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 254, 107-111.	2.1	2
9	Nonlinear electrodynamics of electrons in a quasi-one-dimensional ballistic ring. <i>Journal of Physics A</i> , 2000, 33, 6017-6022.	1.6	2
10	The role of temperature in the Bloch oscillator problem. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 075002.	2.1	2
11	Numerical investigation of bifurcations of equilibria and Hopf bifurcations in disease transmission models. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011, 16, 284-295.	3.3	2
12	Numerical solution of Urysohn type nonlinear second kind integral equations by successive quadratures using embedded Dormand and Prince scheme 5(4). <i>Computer Research and Modeling</i> , 2020, 12, 275-300.	0.3	2
13	Current-voltage characteristic of asymmetric superlattice. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 292, 73-78.	1.2	1
14	The Influence of Periodic Doping on the Nonequilibrium Phase Transitions in Lateral Superlattice. <i>Physica Status Solidi (B): Basic Research</i> , 1997, 204, 737-745.	1.5	1
15	High-frequency conductivity of an asymmetric superlattice. <i>Physics of the Solid State</i> , 1998, 40, 1574-1576.	0.6	1
16	Highly nonlinear phenomena of self-organization of quasi-two-dimensional electron gas in high magnetic and electric fields. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 1297-1305.	1.5	1
17	Robust sampling-sourced numerical retrieval algorithm for optical energy loss function based on log-log mesh optimization and local monotonicity preserving Steffen spline. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2016, 367, 26-36.	1.4	1
18	Thermally and electrically controllable multiple high harmonics generation by harmonically driven quasi-two-dimensional electron gas. <i>Superlattices and Microstructures</i> , 2018, 118, 29-44.	3.1	1

#	ARTICLE	IF	CITATIONS
19	Hall effect in quasi-two-dimensional superlattices in nonquantizing magnetic and strong electric fields. Semiconductors, 1997, 31, 781-783.	0.5	0