

Igor V Ershov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

301
citations

11
h-index

16
g-index

30
ext. papers

327
ext. citations

2.4
avg, IF

3.21
L-index

#	Paper	IF	Citations
30	Characterization of Graphenic Carbon Produced by Pulsed Laser Ablation of Sacrificial Carbon Tapes. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11972	2.6	1
29	First principles study of the atomic and electronic structure in graphene-fullerene hybrid systems. <i>Letters on Materials</i> , 2020 , 10, 365-370	0.9	2
28	Strain engineering and electric field tunable electronic properties of Ti ₂ CO ₂ MXene monolayer. <i>Materials Research Express</i> , 2019 , 6, 065910	1.7	4
27	Strain-Tunable Electronic and Optical Properties of Monolayer Germanium Monosulfide: Ab-Initio Study. <i>Journal of Electronic Materials</i> , 2019 , 48, 2902-2909	1.9	8
26	Adsorption and magnetism of bilayer graphene on the MnO polar surface with oxygen vacancies in the interface: First principles study. <i>Superlattices and Microstructures</i> , 2018 , 117, 72-81	2.8	3
25	Electronic structure and physical properties of oxygen-adsorbed TiC and low-defects Ti _x Cy(111) surfaces: A first principle calculations. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2018 , 222, 142-148	1.7	3
24	Electronic structure and magnetism of the MnF ₂ doped graphene on MnO (1 1 1): Ab initio study. <i>Applied Surface Science</i> , 2018 , 462, 772-782	6.7	3
23	First principles study of structural, electronic and magnetic properties of graphene adsorbed on the O-terminated MnO(111) surface. <i>Diamond and Related Materials</i> , 2017 , 74, 31-40	3.5	10
22	Ab initio study of magnetism and interaction of graphene with the polar MnO(111) surface. <i>Applied Surface Science</i> , 2017 , 419, 924-932	6.7	5
21	Remote measurement of sunflower seed moisture content by the use of microwaves. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 4880-4882	4.3	1
20	Interaction of bilayer graphene with MnO(111) surface films. <i>Journal of Physics: Conference Series</i> , 2017 , 857, 012012	0.3	
19	Effect of oxygen adsorption on structural and electronic properties of defective surfaces (0 0 1), (1 1 1), and (1 1 0) TiC: Ab initio study. <i>Computational Materials Science</i> , 2016 , 124, 344-352	3.2	10
18	First-principles study of the structural and electronic properties of graphene adsorbed on MnO(111) surfaces. <i>Computational and Theoretical Chemistry</i> , 2016 , 1098, 22-30	2	9
17	First principles investigations of the influence of O-adsorption on the structural and electronic properties of TiC(111) surfaces with vacancies. <i>Surface Science</i> , 2016 , 649, 20-26	1.8	11
16	Modulation the Band Structure and Physical Properties of the Graphene Materials with Electric Field and Semiconductor Substrate. <i>Springer Proceedings in Physics</i> , 2016 , 279-297	0.2	1
15	Modulation of the band structure in bilayer zigzag graphene nanoribbons on hexagonal boron nitride using the force and electric fields. <i>Materials Chemistry and Physics</i> , 2015 , 154, 78-83	4.4	12
14	Adsorption of atomic oxygen, electron structure and elastic moduli of TiC(001) surface during its laser reconstruction: Ab initio study. <i>Applied Surface Science</i> , 2015 , 351, 433-444	6.7	16

13	Effect of electric field on the electronic and magnetic properties of a graphene nanoribbon/aluminium nitride bilayer system. <i>RSC Advances</i> , 2015 , 5, 49308-49316	3.7	25
12	Substrate-induced band structure and electronic properties in graphene/Al ₂ O ₃ (0001) interface. <i>Surface Science</i> , 2015 , 632, 111-117	1.8	4
11	Electric field and substrate-induced modulation of spin-polarized transport in graphene nanoribbons on A3B5 semiconductors. <i>Journal of Applied Physics</i> , 2015 , 117, 174309	2.5	28
10	Magnetism and transport properties of zigzag graphene nanoribbons/hexagonal boron nitride heterostructures. <i>Journal of Applied Physics</i> , 2014 , 115, 053708	2.5	27
9	Semiconductor-halfmetal-metal transition and magnetism of bilayer graphene nanoribbons/hexagonal boron nitride heterostructure. <i>Solid State Communications</i> , 2014 , 199, 1-10	1.6	7
8	Tuning the band structure, magnetic and transport properties of the zigzag graphene nanoribbons/hexagonal boron nitride heterostructures by transverse electric field. <i>Journal of Chemical Physics</i> , 2014 , 141, 014708	3.9	34
7	Electron structure and charge-carrier effective masses in In _x Ga _{1-x} N (x = 0.25, 0.5, and 0.75) cubic systems. <i>Semiconductors</i> , 2014 , 48, 1281-1286	0.7	0
6	Ab initio study of structural and electronic properties of zigzag graphene nanoribbons on hexagonal boron nitride. <i>Journal of Structural Chemistry</i> , 2014 , 55, 191-200	0.9	9
5	Edge and substrate-induced bandgap in zigzag graphene nanoribbons on the hexagonal nitride boron 8-ZGNR/h-BN(0001). <i>AIP Advances</i> , 2013 , 3, 092105	1.5	18
4	Surface states and adsorption energy of carbon in the interface of the two-dimensional graphene/Al ₂ O ₃ (0001) system. <i>Physics of the Solid State</i> , 2012 , 54, 2335-2343	0.8	18
3	Localized electron states and magnetic properties at the interface of a two-dimensional graphene/MnO(001) system. <i>Journal of Surface Investigation</i> , 2011 , 5, 754-763	0.5	4
2	Electronic structure of bismuth ferrite and hematite single crystals: X-ray photoelectron study and calculation. <i>Physics of the Solid State</i> , 2011 , 53, 41-47	0.8	14
1	Materials for Spintronics: Magnetic and Transport Properties of Ultrathin (Monolayer Graphene)/MnO(001) and MnO(001) Films. <i>Journal of Modern Physics</i> , 2011 , 02, 1120-1135	0.5	14