

Volodymyr L Vakula

List of Publications by Year in descending order

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20
papers

106
citations

1478505

6
h-index

1372567

10
g-index

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all docs

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docs citations

20
times ranked

47
citing authors

#	ARTICLE	IF	CITATIONS
1	Manifestation of Hubbard and covalent correlations in the absorption spectra of YBa ₂ Cu ₃ O _{6+x} films. Low Temperature Physics, 2000, 26, 541-552.	0.6	17
2	Conductance quantization as a new selective sensing mechanism in dendritic point contacts. SN Applied Sciences, 2019, 1, 1.	2.9	16
3	Luminescence evidence for bulk and surface excitons in free xenon clusters. Physical Review A, 2007, 76, .	2.5	11
4	Optical evidence for compatibility of antiferromagnetism and superconductivity in YBa ₂ Cu ₃ O _{6+x} . Low Temperature Physics, 2000, 26, 809-818.	0.6	10
5	Selective detection of complex gas mixtures using point contacts: concept, method and tools. Beilstein Journal of Nanotechnology, 2020, 11, 1631-1643.	2.8	7
6	Identification of the stripe state of a YBa ₂ Cu ₃ O _{6+x} superconductor according to optical absorption data. Low Temperature Physics, 2001, 27, 981-984.	0.6	6
7	Antiferromagnetic correlations in superconducting YBa ₂ Cu ₃ O _{6+x} samples from optical absorption data; comparison with the results of neutron and muon experiments. Low Temperature Physics, 2003, 29, 982-992.	0.6	6
8	Optical spectroscopy of antiferromagnetic correlations and the stripe state in the superconductor YBa ₂ Cu ₃ O _{6+x} . Low Temperature Physics, 2002, 28, 674-686.	0.6	5
9	Observation of exciton luminescence from icosahedral xenon-argon clusters. Low Temperature Physics, 2009, 35, 944-948.	0.6	5
10	Spectroscopic observation of N_2 dimers in free icosahedral N_{10} and $Ar-N$ Point-Contact Sensors as an Innovative Tool in Defense Against Chemical Agents, Environment and Health Risks: A Review. NATO Science for Peace and Security Series C: Environmental Security, 2020, , 245-270.	2.5	5
11	Development of Criteria for Analysis of Point-contact Sensor Characteristics in Complex Gas Media. Universal Journal of Materials Science, 2016, 4, 32-39.	0.2	3
12	Desorption of excited H* atoms from free clusters Ar/CH ₄ and solid Ar doped with CH ₄ . Low Temperature Physics, 2021, 47, 1058-1064.	0.3	3
13	Stripe order and pseudogap state in YBa ₂ Cu ₃ O _{6+x} as seen from magnon-assisted interband absorption. Physica C: Superconductivity and Its Applications, 2005, 433, 1-8.	0.6	3
14	Optical Evidence for the Existence of a Stripe Structure in the Normal and Superconducting Phases of YBa ₂ Cu ₃ O _{6+x} . Journal of Superconductivity and Novel Magnetism, 2006, 19, 63-66.	1.2	2
15	Direct observation of free excitons in the luminescence spectra of xenon clusters. Low Temperature Physics, 2007, 33, 383-385.	1.8	2
16	A new approach to studying the luminescence spectra of free icosahedral and crystalline argon nanoclusters. Low Temperature Physics, 2016, 42, 156-159.	0.6	2
17	A new approach to studying the cathodoluminescence spectra of free quasicrystalline and crystalline inert-element clusters. Low Temperature Physics, 2020, 46, 145-154.	0.6	1
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#	ARTICLE	IF	CITATIONS
19	New express method for melatonin determination in the human body. Low Temperature Physics, 2021, 47, 233-241.	0.6	1
20	Activation Mechanism of the Cyclic Switchover Effect for Quantum Selective Detection with Dendritic Yanson Point Contacts. Springer Proceedings in Physics, 2021, , 627-639.	0.2	0