

Volodymyr L Vakula

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4035067/publications.pdf>

Version: 2024-02-01

20
papers

106
citations

1478505

6
h-index

1372567

10
g-index

20
all docs

20
docs citations

20
times ranked

47
citing authors

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

#	ARTICLE	IF	CITATIONS
19	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
20	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