Gennadii Kamarchuk

List of Publications by Year
in descending order

29	223	1163117 8	1058476 14
papers	citations	h-index	g-index

29	29	29	122
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Noninvasive real-time breath test for controlling hormonal background of the human body: detection of serotonin and melatonin with quantum point-contact sensors. Journal of Breath Research, 2022, 16, 016002.	3.0	4
2	New express method for melatonin determination in the human body. Low Temperature Physics, 2021, 47, 233-241.	0.6	1
3	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
4	Resistive properties of Jansonâ€™s point contacts in the conditions of polarization inversion. Bulletin of the National Technical University Â«KhPIÂ» Series New Solutions in Modern Technologies, 2021, , 81-88.	0.1	0
5	Desorption of excited H* atoms from free clusters Ar/CH₄ and solid Ar doped with CH₄. Low Temperature Physics, 2021, 47, 1058-1064.	0.6	3
6	Selective detection of complex gas mixtures using point contacts: concept, method and tools. Beilstein Journal of Nanotechnology, 2020, 11, 1631-1643.	2.8	7
7	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
8	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.	0.2	3
9	Conductance quantization as a new selective sensing mechanism in dendritic point contacts. SN Applied Sciences, 2019, 1, 1.	2.9	16
10	Nanostructural point-contact sensors for diagnostics of carcinogenic strains of Helicobacter pylori. Biophysical Bulletin, 2017, , .	0.2	3
11	A new approach to studying the luminescence spectra of free icosahedral and crystalline argon nanoclusters. Low Temperature Physics, 2016, 42, 156-159.	0.6	1
12	On the importance of developing a new generation of breath tests forHelicobacter pyloridetection. Journal of Breath Research, 2015, 9, 047111.	3.0	20
13	A New Method for Controlling the Quantized Growth of Dendritic Nanoscale Point Contacts via Switchover and Shell Effects. Journal of Physical Chemistry C, 2015, 119, 632-639.	3.1	21
14	Point-contact spectroscopy of electron-phonon interaction in superconductors. Low Temperature Physics, 2014, 40, 215-222.	0.6	8
15	Nonlinear cyclical transport phenomena in copper point contacts. Low Temperature Physics, 2014, 40, 937-942.	0.6	8
16	GAS-SENSITIVE SENSORS BASED ON TCNQ DERIVATIVES. Sensor Electronics and Microsystem Technologies, 2014, 4, 41-48.	0.2	3
17	ACTIVE TYPE SENSORS FOR BREATH GAS ANALYSIS. Sensor Electronics and Microsystem Technologies, 2014, 4, 49-54.	0.2	10
18	NEW NANOSENSORS FOR MONITORING GAS MEDIA. Sensor Electronics and Microsystem Technologies, 2014, 4, 46-53.	0.2	1

#	Article	IF	Citations
19	NEW ANION-RADICAL SALTS OF TCNQ AS A PERSPECTIVE SENSOR MATERIALS. Sensor Electronics and Microsystem Technologies, 2014, 3, 81-85.	0.2	0
20	Sensors for Exhaled Gas Analysis: An Analytical Review. , 2013, , 264-300.		5
21	Sensors for Breath Analysis: An Advanced Approach to Express Diagnostics and Monitoring of Human Diseases. NATO Science for Peace and Security Series A: Chemistry and Biology, 2011, , 63-75.	0.5	8
22	Electron-phonon interaction function in the layered dichalcogenide 2Ha-TaSe2. Low Temperature Physics, 2009, 35, 539-543.	0.6	2
23	New chemical sensors based on point heterocontact between single wall carbon nanotubes and gold wires. Sensors and Actuators B: Chemical, 2008, 134, 1022-1026.	7.8	36
24	New method of making point contacts. Low Temperature Physics, 2008, 34, 161-163.	0.6	2
25	Point-contact sensors: New prospects for a nanoscale-sensitive technique. Europhysics Letters, 2006, 76, 575-581.	2.0	26
26	Elastic properties and phonon spectra of quasi-two-dimensional VSe2. Low Temperature Physics, 2003, 29, 151-154.	0.6	8
27	Spectroscopy of the electronâ€“phonon interaction in the layered two-dimensional dichalcogenide 1Tâ€“VSe[sub 2]. Low Temperature Physics, 2001, 27, 56.	0.6	4
28	Direct determination of Debye temperature and electron-phonon interaction in1Tâ^'VSe2. Physical Review B, 2001, 63, .	3.2	22
29	Point Contact Spectroscopy of Organic Conductors. ACS Symposium Series, 1999, , 196-215.	0.5	0