

Alexander Pospelov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4854967/publications.pdf>

Version: 2024-02-01

16
papers

214
citations

1163117

8
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

104
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of microorganisms in corrosion inhibition of metals in aquatic habitats. Applied Microbiology and Biotechnology, 1999, 52, 639-646.	3.6	59
2	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
3	Point-contact sensors: New prospects for a nanoscale-sensitive technique. Europhysics Letters, 2006, 76, 575-581.	2.0	26
4	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
5	On the importance of developing a new generation of breath tests for <i>Helicobacter pylori</i> detection. Journal of Breath Research, 2015, 9, 047111.	3.0	20
6	Evidence for sensory effects of a 1D organic conductor under gas exposure. Journal of Breath Research, 2011, 5, 016005.	3.0	11
7	Nonlinear cyclical transport phenomena in copper point contacts. Low Temperature Physics, 2014, 40, 937-942.	0.6	8
8	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
9	Selective detection of complex gas mixtures using point contacts: concept, method and tools. Beilstein Journal of Nanotechnology, 2020, 11, 1631-1643.	2.8	7
10	Sensors for Exhaled Gas Analysis: An Analytical Review. , 2013, , 264-300.		5
11	Macroscopic simulation of atom-sized structures of functional materials: phenomenology of the elongated electrode system. Functional Materials, 2017, 24, 005-468.	0.1	4
12	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
13	Nanostructural point-contact sensors for diagnostics of carcinogenic strains of <i>Helicobacter pylori</i> . Biophysical Bulletin, 2017, , .	0.2	3
14	Mechanism of Inhibiting the Corrosion of Steel by Methanotrophic Bacteria. Protection of Metals, 2001, 37, 22-24.	0.2	1
15	New express method for melatonin determination in the human body. Low Temperature Physics, 2021, 47, 233-241.	0.6	1
16	Resistive properties of Janson's point contacts in the conditions of polarization inversion. Bulletin of the National Technical University "KhPI" Series New Solutions in Modern Technologies, 2021, , 81-88.	0.1	0