

# Vyacheslav M Buznik

## List of Publications by Year in descending order

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27  
papers

322  
citations

840119

11  
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839053

18  
g-index

27  
all docs

27  
docs citations

27  
times ranked

343  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxyfluoride glasses (A review). <i>Glass Physics and Chemistry</i> , 2011, 37, 1-20.	0.2	52
2	Hexafluoroisopropyl alcohol as a new solvent for aerogels preparation. <i>Journal of Supercritical Fluids</i> , 2014, 89, 28-32.	1.6	31
3	Immobilization of metal-containing nanoparticles on the surface of polytetrafluoroethylene nanogranules. <i>Acta Materialia</i> , 2005, 53, 1407-1413.	3.8	26
4	Formation of superhydrophobic surfaces by the deposition of coatings from supercritical carbon dioxide. <i>Colloid Journal</i> , 2007, 69, 411-424.	0.5	25
5	IR-spectroscopic examination of polytetrafluoroethylene and its modified forms. <i>Russian Journal of General Chemistry</i> , 2009, 79, 677-685.	0.3	25
6	Hydrophobic properties of composite fluoropolymer coatings on titanium. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2011, 47, 93-101.	0.3	24
7	Supercritical carbon dioxide: A reactive medium for chemical processes involving fluoropolymers. <i>Russian Journal of General Chemistry</i> , 2009, 79, 578-588.	0.3	19
8	IR Spectroscopic Study of the Structure of Glasses Based on Titanium Oxyfluoride. <i>Glass Physics and Chemistry</i> , 2004, 30, 139-141.	0.2	16
9	Imparting enhanced hydrophobicity to polyester fabrics: Formation of ultrathin water-repelling coatings on the fiber surface. <i>Russian Journal of General Chemistry</i> , 2012, 82, 2259-2269.	0.3	13
10	Fluoropolymer chemistry in Russia: Current situation and prospects. <i>Russian Journal of General Chemistry</i> , 2009, 79, 520-526.	0.3	12
11	Radiation-chemical synthesis of tetrafluoroethylene telomers and their use for preparation of thin protective fluoropolymer coatings. <i>Russian Journal of General Chemistry</i> , 2009, 79, 589-595.	0.3	12
12	Hydrophobization of polyester textile materials with telomeric tetrafluoroethylene solutions. <i>Russian Journal of Applied Chemistry</i> , 2013, 86, 69-75.	0.1	11
13	The thermal decomposition of hexamethylenetetraammonium dodecahydro-closo-dodecaborate. <i>Russian Journal of Physical Chemistry B</i> , 2011, 5, 26-32.	0.2	9
14	Separation of low-molecular-weight fractions of ultrafine polytetrafluoroethylene with supercritical carbon dioxide. <i>Russian Journal of Physical Chemistry B</i> , 2009, 3, 1074-1081.	0.2	7
15	Preparation and properties of composite materials based on rhenium-containing nanoparticles and micrograins of polytetrafluoroethylene. <i>Inorganic Materials: Applied Research</i> , 2011, 2, 118-124.	0.1	7
16	Synthesis and physicochemical properties of composites for electromagnetic shielding applications: a polymeric matrix impregnated with iron- or cobalt-containing nanoparticles. <i>Journal of Nanophotonics</i> , 2012, 6, 061717.	0.4	7
17	Fluorine NMR chemical shifts in d10- and f14-metal fluorides. <i>Journal of Magnetic Resonance</i> , 1971, 5, 63-72.	0.5	5
18	Morphology and structure of micro- and nanosize polytetrafluoroethylene powders prepared by the gas-phase method. <i>Russian Journal of General Chemistry</i> , 2009, 79, 666-676.	0.3	5

#	ARTICLE	IF	CITATIONS
19	Structure of powder form of FLURALITÂ® trademark polytetrafluoroethylene. Inorganic Materials: Applied Research, 2010, 1, 339-343.	0.1	3
20	Surface characteristics of polypropylene fibrous materials modified with ultradisperse polytetrafluoroethylene. Protection of Metals and Physical Chemistry of Surfaces, 2013, 49, 95-100.	0.3	3
21	Structure of polytetrafluoroethylene powders obtained by photochemical polymerization of gaseous monomer. Inorganic Materials: Applied Research, 2013, 4, 131-137.	0.1	3
22	Raman scattering by zigzag fluoropolymer molecules. Physics of the Solid State, 2002, 44, 2331-2335.	0.2	2
23	Structure of ultradispersed powders obtained by thermal decomposition of fluoroplast-4 in presence of ammonium hydrogen difluoride. Inorganic Materials: Applied Research, 2013, 4, 21-28.	0.1	2
24	Tribological characteristics of epoxy carbon-fiber-reinforced plastics modified by solution of polytetrafluoroethylene telomers. Journal of Friction and Wear, 2013, 34, 368-373.	0.1	2
25	Magnetic screening of <sup>35</sup> Cl and <sup>79</sup> Br in copper monobalides. Journal of Magnetic Resonance, 1972, 6, 197-199.	0.5	1
26	RAS presidiumâ€™s program innovation and development support: Progress analysis. Herald of the Russian Academy of Sciences, 2008, 78, 356-361.	0.2	0
27	Dissolution, fractionating and functionalization of ultradispersed polytetrafluoroethylene in supercritical carbon dioxide. , 2014, , .		0