ValÃ©ry V Prokhorov

List of Publications by Year
in descending order

36 papers	452 citations	759233 12 h-index	713466 21 g-index
36 all docs	36 docs citations	36 times ranked	636 citing authors

#	Article	IF	Citations
1	Conformational Plasticity of the Gerstmannâ€“StrÃ¤usslerâ€“Scheinker Disease Peptide as Indicated by Its Multiple Aggregation Pathways. Journal of Molecular Biology, 2008, 381, 1349-1361.	4.2	56
2	AFM visualization at a single-molecule level of denaturated states of proteins on graphite. Colloids and Surfaces B: Biointerfaces, 2016, 146, 777-784.	5.0	51
3	RNA-binding properties of the 63ÂkDa protein encoded by the triple gene block of poa semilatent hordeivirus. Journal of General Virology, 2001, 82, 2569-2578.	2.9	50
4	High resolution mapping DNAs by R-loop atomic force microscopy. Nucleic Acids Research, 1998, 26, 4603-4610.	14.5	34
5	High-Resolution Atomic Force Microscopy Study of Hexaglycylamide Epitaxial Structures on Graphite. Langmuir, 2011, 27, 5879-5890.	3.5	32
6	High-Pressure Stopped-Flow Polymerization for Polypropene-block-poly(ethene-co-propene) Having Controlled Molecular Weight:â€‰ Synthesis and Characterization. Macromolecules, 1999, 32, 6008-6018.	4.8	21
7	Molecular arrangements in polymorphous monolayer structures of carbocyanine dye J-aggregates. Chemical Physics Letters, 2012, 535, 94-99.	2.6	20
8	Molecular Arrangements in Two-Dimensional J-Aggregate Monolayers of Cyanine Dyes. Macroheterocycles, 2012, 5, 371-376.	0.5	17
9	Study of lamellae of a recombinant spider-web protein by atomic force microscopy. Biophysics (Russian Federation), 2011, 56, 3-7.	0.7	15
10	High-resolution atomic force microscopy of DNA. Biochemistry (Moscow), 2009, 74, 1150-1154.	1.5	14
11	The AFM observation of linear chain and crystalline conformations of ultrahigh molecular weight polyethylene molecules on mica and graphite. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 766-777.	2.1	13
12	Probe-surface interaction mapping in amplitude modulation atomic force microscopy by integrating amplitude-distance and amplitude-frequency curves. Applied Physics Letters, 2007, 91, 023122.	3.3	12
13	Out-of-Plane and In-Plane Magnetization Behavior of Dipolar Interacting FeNi Nanoislands around the Percolation Threshold. Journal of Nanomaterials, 2016, 2016, 1-9.	2.7	12
14	Direct Observation of Poly(propylene)-block-Poly(ethylene-co-propylene) Molecules by Atomic Force Microscopy. Macromolecular Chemistry and Physics, 2004, 205, 179-186.	2.2	11
15	Polymorphism of Two-Dimensional Cyanine Dye J-Aggregates and Its Genesis: Fluorescence Microscopy and Atomic Force Microscopy Study. Journal of Physical Chemistry B, 2015, 119, 15046-15053.	2.6	11
16	High precision nanoscale AFM height measurements of J-aggregates. Nanotechnologies in Russia, 2011, 6, 286-297.	0.7	10
17	Crystallography and Molecular Arrangement of Polymorphic Monolayer J-Aggregates of a Cyanine Dye: Multiangle Polarized Light Fluorescence Optical Microscopy Study. Langmuir, 2018, 34, 4803-4810.	3.5	10
18	Electrical Excitation of Long-Range Surface Plasmons in PC/OLED Structure with Two Metal Nanolayers. Nano-Micro Letters, 2020, 12, 35.	27.0	9

#	ARTICLE	IF	CITATIONS
19	Characterization and properties of polypropylene-block-poly(ethylene-co-propylene) synthesized by short-period polymerization. Journal of Applied Polymer Science, 1999, 74, 958-964.	2.6	8
20	Multilayer J-aggregates of cyanine dyes. Nanotechnologies in Russia, 2016, 11, 265-272.	0.7	8
21	Monosialoside with multimer-like anti-influenza potency. Mendeleev Communications, 2009, 19, 62-63.	1.6	5
22	Crystalline structure of two-dimensional cyanine dye J-aggregates. Crystallography Reports, 2014, 59, 896-899.	0.6	5
23	Polymorphism of 2D monolayer J-aggregates of cyanine dyes. Inorganic Materials: Applied Research, 2017, 8, 494-501.	0.5	5
24	Surface modification with polyallylamines for adhesion of biopolymers and cells. International Journal of Adhesion and Adhesives, 2019, 92, 125-132.	2.9	5
25	Atomic Force and Scanning Near-Field Optical Microscopy Study of Carbocyanine Dye J-aggregates. Current Nanoscience, 2014, 10, 700-704.	1.2	5
26	Tubular structure of J-aggregates of cyanine dye. Doklady Chemistry, 2015, 460, 1-4.	0.9	4
27	One-dimensional substructure of cyanine dye J-aggregate monolayers resulting from non-classical multistage crystallization. Mendeleev Communications, 2019, 29, 450-451.	1.6	4
28	Electroluminescent nanocomposites based on molecular crystals for polymer optoelectronics. Part 1. Inorganic Materials: Applied Research, 2011, 2, 325-332.	0.5	2
29	Monolayer properties of a novel polymerizable phosphatidylcholine, 1,2-di-(9Z,11E-octadecadienoyl)-sn-glycero-3-phosphocholine. Mendeleev Communications, 1997, 7, 219-220.	1.6	1
30	Electroluminescent nanocomposites based on molecular crystals for polymer optoelectronics. Part 2. Inorganic Materials: Applied Research, 2011, 2, 333-343.	0.5	1
31	Atomic force and scanning near-field optical microscopy study of carbocyanine dye J-aggregates. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 1362-1366.	0.6	1
32	Crystallography of the Destruction Fragments of Tubular Cyanine Dye J-Aggregates on the Mica Surface. Crystallography Reports, 2019, 64, 639-643.	0.6	0
33	Polymorphic Single-Layer and Fibrillar Nanostructures of J-Aggregates of a Carbocyanine Dye. Inorganic Materials: Applied Research, 2019, 10, 912-917.	0.5	0
34	Polymorphic monolayer and fibrillar nanostructures of J-aggregates of carbocyanine dye. Materialovedenie, 2018, , 23-28.	0.1	0
35	Polymer composite with polymethine dye J-aggregates as charge-transport layer of organic LED. Materialovedenie, 2020, , 21-27.	0.1	0
36	Polymorphic monolayer J-aggregate structures of two monomethine cyanine dyes in meso- and nanoscale. Materialovedenie, 2020, , 16-20.	0.1	0