Dmitry V Klinov

List of Publications by Year
in descending order

101	2,660	279798	197818
papers	citations	23 h-index	49 g-index

109	109	109	3309
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Myeloperoxidaseâ€induced fibrinogen unfolding and clotting. Microscopy Research and Technique, 2022, 85, 2537-2548.	2.2	2
2	The Elaboration of Effective Coatings for Photonic Crystal Chips in Optical Biosensors. Polymers, 2022, 14, 152.	4.5	9
3	Targeting of Silver Cations, Silver-Cystine Complexes, Ag Nanoclusters, and Nanoparticles towards SARS-CoV-2 RNA and Recombinant Virion Proteins. Viruses, 2022, 14, 902.	3.3	9
4	Spontaneous DNA Synapsis by Forming Noncanonical Intermolecular Structures. Polymers, 2022, 14, 2118.	4.5	4
5	Spatial organization of Dps and DNAâ€“Dps complexes. Journal of Molecular Biology, 2021, 433, 166930.	4.2	17
6	Investigation of cellular morphology and proliferation on patterned electrospun PLA-gelatin mats. Journal of Biological Physics, 2021, 47, 205-214.	1.5	2
7	Anomalous Laterally Stressed Kinetically Trapped DNA Surface Conformations. Nano-Micro Letters, 2021, 13, 130.	27.0	4
8	Molecular patterns of oligopeptide hydrocarbons on graphite. Colloids and Surfaces B: Biointerfaces, 2021, 206, 111921.	5.0	7
9	Wetting of electrospun nylon-11 fibers and mats. RSC Advances, 2021, 11, 11373-11379.	3.6	9
10	Stimulation Of Neutrophil Oxidative Burst By Calcium Phosphate Particles With Adsorbed Mucin. Russian Open Medical Journal, 2021, 10, .	0.3	1
11	Photonic crystal surface mode imaging for multiplexed and high-throughput label-free biosensing. Biosensors and Bioelectronics, 2020, 168, 112575.	10.1	18
12	The Hirudo Medicinalis Microbiome Is a Source of New Antimicrobial Peptides. International Journal of Molecular Sciences, 2020, 21, 7141.	4.1	12
13	Protein nanoparticles: cellular uptake, intracellular distribution, biodegradation and induction of cytokine gene expression. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 30, 102293.	3.3	7
14	Toehold-Mediated Selective Assembly of Compact Discrete DNA Nanostructures. Langmuir, 2020, 36, 15119-15127.	3.5	5
15	An Improved Substrate for Superior Imaging of Individual Biomacromolecules with Atomic Force Microscopy. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111321.	5.0	13
16	Direct Experimental Evidence of Surface-induced Protein Unfolding at the Single-molecule Level. Microscopy and Microanalysis, 2020, 26, 312-313.	0.4	0
17	Evidence of (anti)metamorphic properties of modified graphitic surfaces obtained in real time at a single-molecule level. Colloids and Surfaces B: Biointerfaces, 2020, 193, 111077.	5.0	4
18	Albumin-stabilized fluorescent metal nanoclusters: fabrication, physico-chemical properties and cytotoxicity. Materials and Design, 2020, 192, 108771.	7.0	11

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19	Protein Nanoparticles with Enzymatic and Antigen-Binding Activities Induce Th1 Cytokine Gene Expression. Materials Science Forum, 2020, 995, 109-113.	0.3	1
20	The miscibility and spatial distribution of the components in electrospun polymerâ€“protein mats. RSC Advances, 2020, 10, 4672-4680.	3.6	8
21	Fluorescence imaging of cells using long-range electromagnetic surface waves for excitation. Applied Optics, 2020, 59, 4833.	1.8	4
22	Tuning the properties of electrospun polylactide mats by ethanol treatment. Materials and Design, 2019, 181, 108061.	7.0	17
23	Medicinal leech antimicrobial peptides lacking toxicity represent a promising alternative strategy to combat antibiotic-resistant pathogens. European Journal of Medicinal Chemistry, 2019, 180, 143-153.	5.5	17
24	In Situ Single-Molecule AFM Investigation of Surface-Induced Fibrinogen Unfolding on Graphite. Langmuir, 2019, 35, 9732-9739.	3.5	13
25	Two novel transcriptional reporter systems for monitoring Helicobacter pylori stress responses. Plasmid, 2019, 106, 102442.	1.4	0
26	Label-free real time optical detection of binding of living cells and biopolymers. Journal of Physics: Conference Series, 2019, 1236, 012032.	0.4	0
27	Application of fluorescence and scanning electron microscopy for the investigation of cell contact guidance. AIP Conference Proceedings, 2019, , .	0.4	2
28	Distribution of polylactide and gelatin in single electrospun nanofibers studied by Raman spectroscopy. AIP Conference Proceedings, 2019, , .	0.4	3
29	Surface modification with polyallylamines for adhesion of biopolymers and cells. International Journal of Adhesion and Adhesives, 2019, 92, 125-132.	2.9	5
30	Use of Modified Graphite for Single-Molecule Atomic Force Microscopy of Biomacromolecules. Biophysical Journal, 2019, 116, 428a.	0.5	1
31	Factor XIII topology: organization of B subunits and changes with activation studied with singleâ€molecule atomic force microscopy. Journal of Thrombosis and Haemostasis, 2019, 17, 737-748.	3.8	20
32	Carbon Nanospikes: Synthesis, characterization and application for high resolution AFM. Ultramicroscopy, 2019, 197, 11-15.	1.9	9
33	Imaging human keratinocytes grown on electrospun mats by scanning electron microscopy. Microscopy Research and Technique, 2019, 82, 544-549.	2.2	6
34	Ti2NiCu based composite nanotweezers with a shape memory effect and its use for DNA bunches 3D manipulation. AIP Conference Proceedings, 2019, , .	0.4	4
35	The structural diversity of C-rich DNA aggregates: unusual self-assembly of beetle-like nanostructures. Physical Chemistry Chemical Physics, 2018, 20, 3543-3553.	2.8	16
36	A water-soluble precursor for efficient silica polymerization by silicateins. Biochemical and Biophysical Research Communications, 2018, 495, 2066-2070.	2.1	6

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37	Direct visualization of the oligomeric state of hemagglutinins of influenza virus by high-resolution atomic force microscopy. Biochimie, 2018, 146, 148-155.	2.6	6
38	A coarse-grained model for DNA origami. Nucleic Acids Research, 2018, 46, 1102-1112.	14.5	30
39	Thermal denaturation of fibrinogen visualized by single-molecule atomic force microscopy. Colloids and Surfaces B: Biointerfaces, 2018, 167, 370-376.	5.0	16
40	Data set on G4 DNA interactions with human proteins. Data in Brief, 2018, 18, 348-359.	1.0	13
41	Dye adsorption onto electrospun films made of polylactic acid and gelatin. Molecular Crystals and Liquid Crystals, 2018, 669, 126-133.	0.9	8
42	Au/Ag-containing DNA-based nanowires. EPJ Web of Conferences, 2018, 190, 04004.	0.3	0
43	Deposition and Visualization of DNA Molecules on Graphene That Is Obtained with the Aid of Mechanical Splitting on a Substrate with an Epoxy Sublayer. Journal of Communications Technology and Electronics, 2018, 63, 1226-1229.	0.5	2
44	Efficient silica synthesis from tetra(glycerol)orthosilicate with cathepsin- and silicatein-like proteins. Scientific Reports, 2018, 8, 16759.	3.3	11
45	Assembling Nanostructures from DNA Using a Composite Nanotweezers with a Shape Memory Effect. , 2018, , .		1
46	Protein nanoparticles with ligand-binding and enzymatic activities. International Journal of Nanomedicine, 2018, Volume 13, 6637-6646.	6.7	22
47	Protein Corona on Gold and Silver Nanoparticles. Materials Science Forum, 2018, 936, 42-46.	0.3	5
48	Thin layer fluorescence microscopy based on one-dimensional photonic crystal. EPJ Web of Conferences, 2018, 190, 03010.	0.3	1
49	High-resolution atomic force microscopy visualization of metalloproteins and their complexes. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2862-2868.	2.4	10
50	Wall Thickness of Industrial Multi-Walled Carbon Nanotubes Is Not a Crucial Factor for Their Degradation by Sodium Hypochlorite. Nanomaterials, 2018, 8, 715.	4.1	8
51	Polymorphism of G4 associates: from stacks to wires via interlocks. Nucleic Acids Research, 2018, 46, 8978-8992.	14.5	34
52	Electrospun Biodegradable Scaffold Made of Poly(Hydroxybutyrate-Co-Hydroxyvalerate) & Bovine Serum Albumin. Biophysical Journal, 2017, 112, 591a.	0.5	0
53	Conformational polymorphysm of G-rich fragments of DNA Alu-repeats. I. Noncanonical structures. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2017, 11, 62-71.	0.4	2
54	Poly(hydroxybutyrateâ€coâ€hydroxyvalerate) and bovine serum albumin blend prepared by electrospinning. Journal of Applied Polymer Science, 2017, 134, 45090.	2.6	12

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55	Time-Lapse Single-Biomolecule Atomic Force Microscopy Investigation on Modified Graphite in Solution. Langmuir, 2017, 33, 10027-10034.	3.5	14
56	Morphometric characterization of fibrinogen's Î±C regions and their role in fibrin self-assembly and molecular organization. Nanoscale, 2017, 9, 13707-13716.	5.6	35
57	Detection of DNA molecules in a lipid nanotube channel in the low ion strength conditions. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2017, 11, 217-224.	0.6	3
58	Applicability of TOF-SIMS for the assessment of lipid composition of cell membrane structures. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2017, 11, 144-150.	0.6	0
59	Nuclei deformation in HaCaT keratinocytes cultivated on aligned fibrous substrates. Moscow University Biological Sciences Bulletin, 2017, 72, 85-90.	0.7	3
60	Anti-HIV Activities of Intramolecular G4 and Non-G4 Oligonucleotides. Nucleic Acid Therapeutics, 2017, 27, 56-66.	3.6	11
61	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
62	Synthesis and Properties of Novel Silverâ€Containing DNA Molecules. Advanced Materials, 2016, 28, 4839-4844.	21.0	33
63	DNA-Metalization: Synthesis and Properties of Novel Silver-Containing DNA Molecules (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overl	21.0	3
64	Morphology and aggregation of RADAâ€16â€I peptide Studied by AFM, NMR and molecular dynamics simulations. Biopolymers, 2016, 106, 72-81.	2.4	25
65	Application of vasoactive and matrix-modifying drugs can improve polyplex delivery to tumors upon intravenous administration. Journal of Controlled Release, 2016, 232, 20-28.	9.9	12
66	Photo- and cathodo-luminescence of needle-like single crystal diamonds. Journal of Luminescence, 2016, 179, 539-544.	3.1	13
67	Can Dissipative Properties of Single Molecules Be Extracted from a Force Spectroscopy Experiment?. Biophysical Journal, 2016, 111, 1163-1172.	0.5	10
68	Luminescent properties of diamond single crystals of pyramidal shape. Physics of the Solid State, 2016, 58, 2307-2311.	0.6	3
69	Adsorbed plasma proteins modulate the effects of single-walled carbon nanotubes on neutrophils in blood. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1615-1625.	3.3	23
70	Visualization of fibrinogen Î±C regions and their arrangement during fibrin network formation by highâ€resolution AFM. Journal of Thrombosis and Haemostasis, 2015, 13, 570-579.	3.8	78
71	Comparison of the â€˜Chemicalâ€™ and â€˜Structuralâ€™ Approaches to the Optimization of the Thrombin-Binding Aptamer. PLoS ONE, 2014, 9, e89383.	2.5	29
72	Evaluation of immune response and protective effect of four vaccines against the tick-borne encephalitis virus. Vaccine, 2014, 32, 3101-3106.	3.8	26

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73	Single crystal diamond probes for atomic-force microscopy. Technical Physics Letters, 2014, 40, 553-557.	0.7	2
74	Feasibility study of the optical imaging of a breast cancer lesion labeled with upconversion nanoparticle biocomplexes. Journal of Biomedical Optics, 2013, 18, 076004.	2.6	84
75	Long range electronic transport in DNA molecules deposited across a disconnected array of metallic nanoparticles. Comptes Rendus Physique, 2012, 13, 967-992.	0.9	4
76	High-Resolution Atomic Force Microscopy Study of Hexaglycylamide Epitaxial Structures on Graphite. Langmuir, 2011, 27, 5879-5890.	3.5	32
77	Conduction of DNA molecules attached to a disconnected array of metallic Ga nanoparticles. New Journal of Physics, 2011, 13, 063046.	2.9	15
78	Force spectroscopy of barnaseâ€“barstar single molecule interaction. Journal of Molecular Recognition, 2010, 23, 583-588.	2.1	12
79	A Novel Model System for Design of Biomaterials Based on Recombinant Analogs of Spider Silk Proteins. Journal of NeuroImmune Pharmacology, 2009, 4, 17-27.	4.1	77
80	High-resolution atomic force microscopy of DNA. Biochemistry (Moscow), 2009, 74, 1150-1154.	1.5	14
81	Temperature-Controlled Assembly of High Ordered/Disordered Dodecylamine Layers on HOPG: Consequences for DNA Patterning. Langmuir, 2009, 25, 3159-3162.	3.5	27
82	DNA Nanopositioning and Alignment by Electron-Beam-Induced Surface Chemical Patterning. Nano Letters, 2007, 7, 3583-3587.	9.1	12
83	High-resolution atomic force microscopy of duplex and triplex DNA molecules. Nanotechnology, 2007, 18, 225102.	2.6	51
84	Lab-in-a-drop: controlled self-assembly of CdSe/ZnS quantum dots and quantum rods into polycrystalline nanostructures with desired optical properties. Nanotechnology, 2007, 18, 185602.	2.6	23
85	Self-assembly of charged microclusters of CdSe/ZnS core/shell nanodots and nanorods into hierarchically ordered colloidal arrays. Nanotechnology, 2006, 17, 4223-4228.	2.6	20
86	Observation of single-stranded DNA on mica and highly oriented pyrolytic graphite by atomic force microscopy. FEBS Letters, 2006, 580, 5671-5675.	2.8	90
87	Comparative Study of Atomic Force Imaging of DNA on Graphite and Mica Surfaces. AIP Conference Proceedings, 2006, , .	0.4	4
88	Branching of the galacturonan backbone of comaruman, a pectin from the marsh cinquefoil Comarum palustre L.. Biochemistry (Moscow), 2006, 71, 538-542.	1.5	24
89	Proximity induced and intrinsic superconductivity in long and short molecules. Les Houches Summer School Proceedings, 2005, 81, 593-595.	0.2	0
90	Synthesis of novel poly(dG)-poly(dG)-poly(dC) triplex structure by Klenow exo- fragment of DNA polymerase I. Nucleic Acids Research, 2005, 33, 6515-6521.	14.5	13

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91	Biocompatible fluorescent nanocrystals for immunolabeling of membrane proteins and cells. Analytical Biochemistry, 2004, 324, 60-67.	2.4	312
92	True molecular resolution in tapping-mode atomic force microscopy with high-resolution probes. Applied Physics Letters, 2004, 84, 2697-2699.	3.3	108
93	Thickness and low-temperature conductivity of DNA molecules. Applied Physics Letters, 2004, 84, 1007-1009.	3.3	87
94	Polyglycine II Nanosheets: Supramolecular Antivirals?. ChemBioChem, 2003, 4, 147-154.	2.6	48
95	Proximity-Induced Superconductivity in DNA. Science, 2001, 291, 280-282.	12.6	648
96	Atomic force microscopy analysis of bacteriophages PhiKZ and T4. Journal of Electron Microscopy, 2001, 50, 417-422.	0.9	24
97	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
98	Atomic Force and Electron Microscopy of High Molecular Weight Circular DNA Complexes with Synthetic Oligopeptide Trivaline. Journal of Biomolecular Structure and Dynamics, 2000, 17, 687-695.	3.5	3
99	High resolution mapping DNAs by R-loop atomic force microscopy. Nucleic Acids Research, 1998, 26, 4603-4610.	14.5	34
100	Catalytic method for modifying the surface of pyrolytic graphite. Russian Chemical Bulletin, 1994, 43, 1128-1131.	1.5	0
101	Nanosilver in Biomedicine: Advantages and Restrictions. , 0, , .		1