

Alexei I Kononov

List of Publications by Year in descending order

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times ranked

551
citing authors

#	ARTICLE	IF	CITATIONS
1	Photophysical Processes in the Complexes of DNA with Ethidium Bromide and Acridine Orange: A Femtosecond Study. <i>Journal of Physical Chemistry B</i> , 2001, 105, 535-541.	2.6	67
2	Excitation Spectra Argue for Threadlike Shape of DNA-Stabilized Silver Fluorescent Clusters. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18681-18687.	3.1	54
3	DNA with Ionic, Atomic, and Clustered Silver: An XPS Study. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2400-2406.	2.6	50
4	Ag DNA Emitter: Metal Nanorod or Supramolecular Complex?. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3560-3566.	4.6	48
5	Comparative study of gold and silver interactions with amino acids and nucleobases. <i>RSC Advances</i> , 2020, 10, 34149-34160.	3.6	33
6	DNA-Stabilized Silver Nanoclusters with High Yield of Dark State. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24079-24083.	3.1	31
7	DNA as UV light harvesting antenna. <i>Nucleic Acids Research</i> , 2018, 46, 3543-3551.	14.5	30
8	Silver cluster amino acid interactions: a quantum-chemical study. <i>Amino Acids</i> , 2019, 51, 855-864.	2.7	25
9	Exciton effects in dinucleotides and polynucleotides. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1993, 19, 139-144.	3.8	20
10	Fluorescent Silver Clusters on Protein Templates: Understanding Their Structure. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29549-29558.	3.1	19
11	Fluorescent Silver Nanoclusters in Condensed DNA. <i>ChemPhysChem</i> , 2013, 14, 3543-3550.	2.1	16
12	Excitation spectra of Ag DNA bases complexes: A benchmark study. <i>Chemical Physics Letters</i> , 2017, 673, 11-18.	2.6	15
13	Noncanonical Stacking Geometries of Nucleobases as a Preferred Target for Solar Radiation. <i>Journal of the American Chemical Society</i> , 2015, 137, 11656-11665.	13.7	13
14	Fluorescence saturation spectroscopy in probing electronically excited states of silver nanoclusters. <i>Journal of Luminescence</i> , 2016, 172, 175-179.	3.1	13
15	Which Amino Acids are Capable of Nucleating Fluorescent Silver Clusters in Proteins?. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26275-26280.	3.1	13
16	Stochastic Resonance to Control Diffusive Motion in Chemistry. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1318-1328.	2.6	12
17	Theoretical study of photoreactions between oxidized pterins and molecular oxygen. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 372, 254-259.	3.9	11
18	Structure and Formation of Luminescent Centers in Light-Up Ag Cluster-Based DNA Probes. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3542-3552.	3.1	11

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19	Ultrafast fluorescence dynamics of DNA-based silver clusters. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28205-28210.	2.8	9
20	Luminescence Switching of a Gold-Copper Supramolecular Complex: A Physical Insight. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25541-25547.	3.1	7
21	Silver Cluster Interactions with Tyrosine: Towards Amino Acid Detection. <i>International Journal of Molecular Sciences</i> , 2022, 23, 634.	4.1	7
22	Albumin-stabilized fluorescent silver nanodots. <i>Journal of Molecular Structure</i> , 2017, 1140, 19-21.	3.6	6
23	Triplet state generation by furocoumarins revisited: a combined QSPR/DFT approach. <i>New Journal of Chemistry</i> , 2018, 42, 14424-14432.	2.8	6
24	Exciton Absorption and Luminescence in i-Motif DNA. <i>Scientific Reports</i> , 2019, 9, 15988.	3.3	6
25	Luminescent silver nanoclusters for probing immunoglobulins and serum albumins in protein mixtures. <i>Analytical Methods</i> , 2019, 11, 6153-6158.	2.7	6
26	Red-shifted fluorescence from polyguanylic acid in aqueous solution at room temperature. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1996, 34, 211-216.	3.8	5
27	Predicting absorption spectra of silver-ligand complexes. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25995.	2.0	5
28	Silver cluster interactions with Pterin: Complex structure, binding energies and spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 279, 121467.	3.9	5
29	Effect of the molecular architecture of side radicals on the optical properties of comb-shaped polymers. <i>Polymer Science - Series C</i> , 2010, 52, 79-82.	1.7	3
30	Flow birefringence and optical anisotropy of poly(N-vinylpyrrolidone) molecules. <i>Polymer Science - Series A</i> , 2013, 55, 213-217.	1.0	2
31	Electronically Excited States in Model Complexes of Noble Metal Clusters with Carbon Nanodots. <i>Russian Physics Journal</i> , 2022, 64, 2076-2081.	0.4	2
32	Optical properties and orientational order of deoxyribonucleic acid molecules at interfaces. <i>Polymer Science - Series A</i> , 2010, 52, 49-54.	1.0	1
33	tRNA as a stabilizing matrix for fluorescent silver clusters: photophysical properties and IR study. <i>Nanoscale Advances</i> , 2019, 1, 3579-3583.	4.6	1
34	Calculation of absorption spectra of silver-thiolate complexes. <i>Computer Research and Modeling</i> , 2019, 11, 275-286.	0.3	1
35	Controlled assembly of covalent and supramolecular chemical modules: from engineering of complex structures to high-performance chromatography. <i>Russian Chemical Bulletin</i> , 2004, 53, 1379-1384.	1.5	0
36	Self-organization and self-association of pentameric polyorganocyclosiloxane molecules at the interface: A study by the inclined polarized beam method. <i>Doklady Physical Chemistry</i> , 2008, 421, 179-181.	0.9	0

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37	Molecular structure of thin layers of pentameric polyorganocyclosiloxane. Polymer Science - Series A, 2009, 51, 531-536.	1.0	0
38	Orientalional order in poly-N-vinylpyrrolidone films. Journal of Optical Technology (A Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.4	0
39	Heterogeneity of Threadlike Shape of DNA-Stabilized Silver Fluorescent Clusters. Biophysical Journal, 2014, 106, 806a.	0.5	0
40	DNA-Stabilized Silver Nanoclusters with High Yield of Dark State Probed by Fluorescence Saturation Spectroscopy. Biophysical Journal, 2014, 106, 216a-217a.	0.5	0
41	Structure of fluorescent metal clusters on a DNA template.. Journal of Physics: Conference Series, 2016, 741, 012069.	0.4	0
42	Electronic excitation energy transport in a DNA-Ag cluster complex. Journal of Physics: Conference Series, 2016, 741, 012051.	0.4	0
43	Combined Quantum-Classical Simulation of Photoinduced Electronic Density Redistribution from Biopolymer Segments to Photochromic Probes. Russian Physics Journal, 2020, 63, 1386-1394.	0.4	0
44	Fluorescent Ag-Nanoclusters for Evaluation of Serum Albumin and Immunoglobulin Content in Protein Mixtures. Journal of Physics: Conference Series, 2020, 1695, 012061.	0.4	0
45	Revealing a possible sensor mechanism of DNA - based silver nanoclusters. Journal of Physics: Conference Series, 2020, 1695, 012058.	0.4	0
46	Formation of luminescent nanoclusters by etching silver nanoparticles with biomolecules. Journal of Physics: Conference Series, 2020, 1695, 012196.	0.4	0
47	Electronically excited states in model complexes of clusters of precious metals with carbon nanodots. Izvestiya Vysshikh Uchebnykh Zavedenii, Gornyi Zhurnal, 2021, , 84-89.	0.0	0