

Roman A Kamyshinsky

List of Publications by Year in descending order

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77
papers

1,079
citations

393982

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476904

29
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79
all docs

79
docs citations

79
times ranked

1551
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-filled suspensions of β -chitin nanorods for electrorheological applications. Carbohydrate Polymers, 2022, 277, 118792.	5.1	9
2	Vaccine building β -kit TM : combining peptide bricks to elicit a desired immune response without adding an adjuvant. Nanomedicine, 2022, 17, 461-475.	1.7	1
3	Development of Submicrocapsules Based on Co-Assembled Like-Charged Silica Nanoparticles and Detonation Nanodiamonds and Polyelectrolyte Layers. Pharmaceutics, 2022, 14, 575.	2.0	4
4	Nanomechanical characterization of exosomes and concomitant nanoparticles from blood plasma by PeakForce AFM in liquid. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130139.	1.1	10
5	The size effect of faceted detonation nanodiamond particles on electrorheological behavior of suspensions in mineral oil. Diamond and Related Materials, 2022, 125, 108967.	1.8	7
6	Structural Insights into Iron Ions Accumulation in Dps Nanocage. International Journal of Molecular Sciences, 2022, 23, 5313.	1.8	4
7	Enhanced electrospinning: Multi-level fiber alignment by control of electrohydrodynamic jet motion for tissue engineering. Chemical Engineering Journal, 2021, 418, 126561.	6.6	12
8	Gold nanoparticle-carbon nanotube multilayers on silica microspheres: Optoacoustic-Raman enhancement and potential biomedical applications. Materials Science and Engineering C, 2021, 120, 111736.	3.8	16
9	Investigation of alumina aerogel structural characteristics at different β -precursor-water-ethanol β ratio. Journal of Non-Crystalline Solids, 2021, 553, 120475.	1.5	15
10	Detonation nanodiamonds dispersed in polydimethylsiloxane as a novel electrorheological fluid: Effect of nanodiamonds surface. Carbon, 2021, 174, 138-147.	5.4	21
11	Study of highly porous poly β -lactide β -based composites with chitosan and collagen. Polymers for Advanced Technologies, 2021, 32, 853-860.	1.6	4
12	On the influence of methanol addition on the performances of PEM fuel cells operated at subzero temperatures. International Journal of Hydrogen Energy, 2021, 46, 18116-18127.	3.8	6
13	Ordered Clusters of the Complete Oxidative Phosphorylation System in Cardiac Mitochondria. International Journal of Molecular Sciences, 2021, 22, 1462.	1.8	23
14	Delivery of functional exogenous proteins by plant-derived vesicles to human cells in vitro. Scientific Reports, 2021, 11, 6489.	1.6	57
15	Enhanced electrorheological activity of porous chitosan particles. Carbohydrate Polymers, 2021, 256, 117530.	5.1	21
16	Structural Rearrangement of Dps-DNA Complex Caused by Divalent Mg and Fe Cations. International Journal of Molecular Sciences, 2021, 22, 6056.	1.8	12
17	Microstructure and Rheological Behavior of Stabilized Gold Nanoparticles Hydrosol. Crystallography Reports, 2021, 66, 612-617.	0.1	2
18	Electron Diffraction of Microcrystals on the Example of Lysozyme. Crystallography Reports, 2021, 66, 765-768.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Formation of High-Order Structures in Solution by CBS-Pyrophosphatase from <i>D. hafniense</i> . <i>Crystallography Reports</i> , 2021, 66, 833-839.	0.1	1
20	Printable Alginate Hydrogels with Embedded Network of Halloysite Nanotubes: Effect of Polymer Cross-Linking on Rheological Properties and Microstructure. <i>Polymers</i> , 2021, 13, 4130.	2.0	16
21	Lipoic acid nanoforms based on phosphatidylcholine: production and characteristics. <i>European Biophysics Journal</i> , 2020, 49, 95-103.	1.2	3
22	Polymorphic Protective Dpsâ€“DNA Co-Crystals by Cryo Electron Tomography and Small Angle X-Ray Scattering. <i>Biomolecules</i> , 2020, 10, 39.	1.8	13
23	Dual Targeting of Cancer Cells with DARPIn-Based Toxins for Overcoming Tumor Escape. <i>Cancers</i> , 2020, 12, 3014.	1.7	34
24	Efficient screening of ligand-receptor complex formation using fluorescence labeling and size-exclusion chromatography. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 127-133.	1.0	2
25	Total Blood Exosomes in Breast Cancer: Potential Role in Crucial Steps of Tumorigenesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7341.	1.8	23
26	Cryo-Electron Tomography Studies of Cell Systems. <i>Crystallography Reports</i> , 2020, 65, 744-748.	0.1	1
27	Altered level of plasma exosomes in patients with Gaucher disease. <i>European Journal of Medical Genetics</i> , 2020, 63, 104038.	0.7	11
28	Proteomic Profiling of Plasma and Total Blood Exosomes in Breast Cancer: A Potential Role in Tumor Progression, Diagnosis, and Prognosis. <i>Frontiers in Oncology</i> , 2020, 10, .	1.3	17
29	Proteome of Glioblastoma-Derived Exosomes as a Source of Biomarkers. <i>Biomedicines</i> , 2020, 8, 216.	1.4	37
30	Magnetic-field-assisted synthesis of anisotropic iron oxide particles: Effect of pH. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1230-1241.	1.5	7
31	Proteomic Approach for Searching for Universal, Tissue-Specific, and Line-Specific Markers of Extracellular Vesicles in Lung and Colorectal Adenocarcinoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6601.	1.8	9
32	Memristors Based on Poly(p-xylylene) with Embedded Silver Nanoparticles. <i>Technical Physics Letters</i> , 2020, 46, 73-76.	0.2	13
33	Biodegradable poly(l-lactide)/calcium phosphate composites with improved properties for orthopedics: Effect of filler and polymer crystallinity. <i>Materials Science and Engineering C</i> , 2020, 112, 110813.	3.8	24
34	Heterophase Polymerization of Styrene in the Presence of Boltorn Polyester Polyol. <i>Polymer Science - Series B</i> , 2020, 62, 22-29.	0.3	1
35	Chitosanâ€“based fiberâ€“sponge materials as a promising tool for microalgae harvesting from Lake Baikal. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49209.	1.3	5
36	Cryo-electron microscopy of extracellular vesicles from cerebrospinal fluid. <i>PLoS ONE</i> , 2020, 15, e0227949.	1.1	106

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37	Unique rheological behavior of detonation nanodiamond hydrosols: The nature of sol-gel transition. Carbon, 2020, 161, 486-494.	5.4	22
38	Determining the Structure and Location of the ATP Synthase in the Membranes of Rat's Heart Mitochondria Using Cryoelectron Tomography. Nanotechnologies in Russia, 2020, 15, 83-89.	0.7	8
39	Evaluation of immune and chemical precipitation methods for plasma exosome isolation. PLoS ONE, 2020, 15, e0242732.	1.1	23
40	Liposomal Formulation of a Melphalan Lipophilic Prodrug: Studies of Acute Toxicity, Tolerability, and Antitumor Efficacy. Current Drug Delivery, 2020, 17, 312-323.	0.8	12
41	Carbon Nanofiber Material Based on the ANMA Copolymer for a Biofuel Cell Electrode. Nanotechnologies in Russia, 2020, 15, 55-62.	0.7	1
42	Environmental Scanning Electron Microscopy of Dermal Fibroblasts on Various Types of Polymer Scaffolds. Crystallography Reports, 2020, 65, 762-765.	0.1	1
43	Evaluation of immune and chemical precipitation methods for plasma exosome isolation. , 2020, 15, e0242732.		0
44	Evaluation of immune and chemical precipitation methods for plasma exosome isolation. , 2020, 15, e0242732.		0
45	Evaluation of immune and chemical precipitation methods for plasma exosome isolation. , 2020, 15, e0242732.		0
46	Evaluation of immune and chemical precipitation methods for plasma exosome isolation. , 2020, 15, e0242732.		0
47	Control on rheological behavior of collagen 1 dispersions for efficient electrospinning. Journal of Biomedical Materials Research - Part A, 2019, 107, 312-318.	2.1	13
48	Effect of exfoliating agent on rheological behavior of β -chitin fibrils in aqueous suspensions and on mechanical properties of poly(acrylic acid)/ β -chitin composites. International Journal of Biological Macromolecules, 2019, 139, 161-169.	3.6	6
49	Characterization of Organic Layer in Oil Carbonate Reservoir Rocks and its Effect on Microscale Wetting Properties. Scientific Reports, 2019, 9, 10667.	1.6	45
50	Electroconductive PEDOT:PSS-based hydrogel prepared by freezing-thawing method. Heliyon, 2019, 5, e02498.	1.4	27
51	Comparative Analysis of Different Methods of Scanning Electron Microscopy and Test Preparation in Biological Tissue Studies. Crystallography Reports, 2019, 64, 466-469.	0.1	2
52	Protective DNA crystallization in stressed cells: an <i>in vitro</i> structural study by small angle X-ray scattering and cryoelectron tomography. FEBS Letters, 2019, 593, 1360-1371.	1.3	28
53	Nonwoven bilayered biodegradable chitosan-gelatin-poly lactide scaffold for bioengineering of tracheal epithelium. Cell Proliferation, 2019, 52, e12598.	2.4	27
54	Physical properties and cytotoxicity of silver nanoparticles under different polymeric stabilizers. Heliyon, 2019, 5, e01305.	1.4	34

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55	Multifunctional capsules with oil core and shells of SiO ₂ nanoparticles, nanodiamonds and polyelectrolyte layers with Fe ₃ O ₄ nanoparticles. International Journal of Nanotechnology, 2019, 16, 510.	0.1	3
56	Determination of the Microstructure of Decellularized Dermal Scaffolds. Nanotechnologies in Russia, 2019, 14, 362-366.	0.7	0
57	Synthesis and electrospinning of star-shaped poly(L-lactide) with different arm lengths. Journal of Physics: Conference Series, 2019, 1347, 012098.	0.3	1
58	Plasma exosomes stimulate breast cancer metastasis through surface interactions and activation of FAK signaling. Breast Cancer Research and Treatment, 2019, 174, 129-141.	1.1	39
59	Novel type of hollow hydrogel microspheres with magnetite and silver nanoparticles. Materials Science and Engineering C, 2019, 98, 1114-1121.	3.8	10
60	Composite materials based on Ag nanoparticles <i>in situ</i> synthesized on the vaterite porous matrices. Nanotechnology, 2019, 30, 035603.	1.3	9
61	<i>In vitro</i> assessment of electrospun polyamide-6 scaffolds for esophageal tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 253-268.	1.6	20
62	Abstract OR-22: In vitro Cryo Electron Tomography study of protective Dps-DNA co-crystallization. International Journal of Biomedicine, 2019, 9, S15-S15.	0.1	0
63	Abstract P-41: Cryo-Electron Tomography and 3D Analysis of Detonation Nanodiamonds Hydrosols. International Journal of Biomedicine, 2019, 9, S35-S35.	0.1	0
64	Towards Tissue Engineering: 3D Study of Polyamide-6 Scaffolds. BioNanoScience, 2018, 8, 511-521.	1.5	5
65	Multi-hierarchical tissue-engineering ECM-like scaffolds based on cellulose acetate with collagen and chitosan fillers. Carbohydrate Polymers, 2018, 191, 119-126.	5.1	30
66	Nano- and Microfibrous Materials Based on Collagen for Tissue Engineering: Synthesis, Structure, and Properties. Nanotechnologies in Russia, 2018, 13, 476-486.	0.7	5
67	Modification of carbonyl iron particles by carboxyl-containing polydimethylsiloxanes. Russian Chemical Bulletin, 2018, 67, 1639-1647.	0.4	12
68	Effect of Composition and Molecular Structure of Poly(L-lactic acid)/Poly(ethylene oxide) Block Copolymers on Micellar Morphology in Aqueous Solution. Langmuir, 2018, 34, 15470-15482.	1.6	22
69	Towards on-the-fly Cryo-Electron Microscopy Data Processing by High Performance Data Analysis. Journal of Physics: Conference Series, 2018, 955, 012005.	0.3	1
70	Halloysite nanotubes: Prospects in electrorheology. EXPRESS Polymer Letters, 2018, 12, 958-965.	1.1	18
71	Isolation of Extracellular Microvesicles from Cell Culture Medium: Comparative Evaluation of Methods. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2018, 12, 167-175.	0.2	11
72	Precise control of distance between plasmonic surface-enhanced Raman scattering substrate and analyte molecules with polyelectrolyte layers. Journal of Raman Spectroscopy, 2018, 49, 1581-1593.	1.2	4

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73	Fabrication and Characterization of Biogenic Selenium Nanoparticles. Crystallography Reports, 2018, 63, 276-279.	0.1	2
74	Functional Properties of Circulating Exosomes Mediated by Surface-Attached Plasma Proteins. Journal of Hematology (Brossard, Quebec), 2018, 7, 149-153.	0.4	11
75	Silver Alginate Hydrogel Micro- and Nanocontainers for Theranostics: Synthesis, Encapsulation, Remote Release, and Detection. ACS Applied Materials & Interfaces, 2017, 9, 21949-21958.	4.0	60
76	Exosomes: Some approaches to cancer diagnosis and therapy. AIP Conference Proceedings, 2017, , .	0.3	6
77	Nonwoven materials based on polyethylene oxide for use as a polymer electrolyte in memristive devices. Russian Journal of Applied Chemistry, 2017, 90, 1540-1544.	0.1	0