

Roman A Kamyshinsky

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

1,079
citations

393982

19
h-index

476904

29
g-index

79
all docs

79
docs citations

79
times ranked

1551
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryo-electron microscopy of extracellular vesicles from cerebrospinal fluid. <i>PLoS ONE</i> , 2020, 15, e0227949.	1.1	106
2	Silver Alginate Hydrogel Micro- and Nanocontainers for Theranostics: Synthesis, Encapsulation, Remote Release, and Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21949-21958.	4.0	60
3	Delivery of functional exogenous proteins by plant-derived vesicles to human cells in vitro. <i>Scientific Reports</i> , 2021, 11, 6489.	1.6	57
4	Characterization of Organic Layer in Oil Carbonate Reservoir Rocks and its Effect on Microscale Wetting Properties. <i>Scientific Reports</i> , 2019, 9, 10667.	1.6	45
5	Plasma exosomes stimulate breast cancer metastasis through surface interactions and activation of FAK signaling. <i>Breast Cancer Research and Treatment</i> , 2019, 174, 129-141.	1.1	39
6	Proteome of Glioblastoma-Derived Exosomes as a Source of Biomarkers. <i>Biomedicines</i> , 2020, 8, 216.	1.4	37
7	Physical properties and cytotoxicity of silver nanoparticles under different polymeric stabilizers. <i>Heliyon</i> , 2019, 5, e01305.	1.4	34
8	Dual Targeting of Cancer Cells with DARPIn-Based Toxins for Overcoming Tumor Escape. <i>Cancers</i> , 2020, 12, 3014.	1.7	34
9	Multi-hierarchical tissue-engineering ECM-like scaffolds based on cellulose acetate with collagen and chitosan fillers. <i>Carbohydrate Polymers</i> , 2018, 191, 119-126.	5.1	30
10	Protective Dpsâ€“DNA coâ€“crystallization in stressed cells: an <i>in vitro</i> structural study by smallâ€“angle Xâ€“ray scattering and cryoâ€“electron tomography. <i>FEBS Letters</i> , 2019, 593, 1360-1371.	1.3	28
11	Electroconductive PEDOT:PSS-based hydrogel prepared by freezing-thawing method. <i>Heliyon</i> , 2019, 5, e02498.	1.4	27
12	Nonâ€“woven bilayered biodegradable chitosanâ€“gelatinâ€“polylactide scaffold for bioengineering of tracheal epithelium. <i>Cell Proliferation</i> , 2019, 52, e12598.	2.4	27
13	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
14	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
15	Ordered Clusters of the Complete Oxidative Phosphorylation System in Cardiac Mitochondria. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1462.	1.8	23
16	Evaluation of immune and chemical precipitation methods for plasma exosome isolation. <i>PLoS ONE</i> , 2020, 15, e0242732.	1.1	23
17	Effect of Composition and Molecular Structure of Poly(<i>l</i> -lactic acid)/Poly(ethylene oxide) Block Copolymers on Micellar Morphology in Aqueous Solution. <i>Langmuir</i> , 2018, 34, 15470-15482.	1.6	22
18	Unique rheological behavior of detonation nanodiamond hydrosols: The nature of sol-gel transition. <i>Carbon</i> , 2020, 161, 486-494.	5.4	22

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19	Detonation nanodiamonds dispersed in polydimethylsiloxane as a novel electrorheological fluid: Effect of nanodiamonds surface. <i>Carbon</i> , 2021, 174, 138-147.	5.4	21
20	Enhanced electrorheological activity of porous chitosan particles. <i>Carbohydrate Polymers</i> , 2021, 256, 117530.	5.1	21
21	<i>In vitro</i> assessment of electrospun polyamide scaffolds for esophageal tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 253-268.	1.6	20
22	Halloysite nanotubes: Prospects in electrorheology. <i>EXPRESS Polymer Letters</i> , 2018, 12, 958-965.	1.1	18
23	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
24	Gold nanoparticle-carbon nanotube multilayers on silica microspheres: Optoacoustic-Raman enhancement and potential biomedical applications. <i>Materials Science and Engineering C</i> , 2021, 120, 111736.	3.8	16
25	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
26	Investigation of alumina aerogel structural characteristics at different precursor-water-ethanol ratio. <i>Journal of Non-Crystalline Solids</i> , 2021, 553, 120475.	1.5	15
27	Control on rheological behavior of collagen 1 dispersions for efficient electrospinning. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 312-318.	2.1	13
28	Polymorphic Protective Dps-DNA Co-Crystals by Cryo Electron Tomography and Small Angle X-Ray Scattering. <i>Biomolecules</i> , 2020, 10, 39.	1.8	13
29	Memristors Based on Poly(p-xylylene) with Embedded Silver Nanoparticles. <i>Technical Physics Letters</i> , 2020, 46, 73-76.	0.2	13
30	Modification of carbonyl iron particles by carboxyl-containing polydimethylsiloxanes. <i>Russian Chemical Bulletin</i> , 2018, 67, 1639-1647.	0.4	12
31	Enhanced electrospinning: Multi-level fiber alignment by control of electrohydrodynamic jet motion for tissue engineering. <i>Chemical Engineering Journal</i> , 2021, 418, 126561.	6.6	12
32	Structural Rearrangement of Dps-DNA Complex Caused by Divalent Mg and Fe Cations. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6056.	1.8	12
33	Liposomal Formulation of a Melphalan Lipophilic Prodrug: Studies of Acute Toxicity, Tolerability, and Antitumor Efficacy. <i>Current Drug Delivery</i> , 2020, 17, 312-323.	0.8	12
34	Isolation of Extracellular Microvesicles from Cell Culture Medium: Comparative Evaluation of Methods. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2018, 12, 167-175.	0.2	11
35	Altered level of plasma exosomes in patients with Gaucher disease. <i>European Journal of Medical Genetics</i> , 2020, 63, 104038.	0.7	11
36	Functional Properties of Circulating Exosomes Mediated by Surface-Attached Plasma Proteins. <i>Journal of Hematology (Brossard, Quebec)</i> , 2018, 7, 149-153.	0.4	11

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37	Novel type of hollow hydrogel microspheres with magnetite and silver nanoparticles. <i>Materials Science and Engineering C</i> , 2019, 98, 1114-1121.	3.8	10
38	Nanomechanical characterization of exosomes and concomitant nanoparticles from blood plasma by PeakForce AFM in liquid. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130139.	1.1	10
39	Composite materials based on Ag nanoparticles <i>in situ</i> synthesized on the vaterite porous matrices. <i>Nanotechnology</i> , 2019, 30, 035603.	1.3	9
40	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
41	Low-filled suspensions of β -chitin nanorods for electrorheological applications. <i>Carbohydrate Polymers</i> , 2022, 277, 118792.	5.1	9
42	Determining the Structure and Location of the ATP Synthase in the Membranes of Rat's Heart Mitochondria Using Cryoelectron Tomography. <i>Nanotechnologies in Russia</i> , 2020, 15, 83-89.	0.7	8
43	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
44	The size effect of faceted detonation nanodiamond particles on electrorheological behavior of suspensions in mineral oil. <i>Diamond and Related Materials</i> , 2022, 125, 108967.	1.8	7
45	Exosomes: Some approaches to cancer diagnosis and therapy. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	6
46	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. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 161-169.	3.6	6
47	On the influence of methanol addition on the performances of PEM fuel cells operated at subzero temperatures. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18116-18127.	3.8	6
48	Towards Tissue Engineering: 3D Study of Polyamide-6 Scaffolds. <i>BioNanoScience</i> , 2018, 8, 511-521.	1.5	5
49	Nano- and Microfibrous Materials Based on Collagen for Tissue Engineering: Synthesis, Structure, and Properties. <i>Nanotechnologies in Russia</i> , 2018, 13, 476-486.	0.7	5
50	Chitosan-based fiber-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
51	Precise control of distance between plasmonic surface-enhanced Raman scattering substrate and analyte molecules with polyelectrolyte layers. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1581-1593.	1.2	4
52	Study of highly porous poly(ϵ -CL) based composites with chitosan and collagen. <i>Polymers for Advanced Technologies</i> , 2021, 32, 853-860.	1.6	4
53	Development of Submicrocapsules Based on Co-Assembled Like-Charged Silica Nanoparticles and Detonation Nanodiamonds and Polyelectrolyte Layers. <i>Pharmaceutics</i> , 2022, 14, 575.	2.0	4
54	Structural Insights into Iron Ions Accumulation in Dps Nanocage. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5313.	1.8	4

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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	Lipoic acid nanoforms based on phosphatidylcholine: production and characteristics. European Biophysics Journal, 2020, 49, 95-103.	1.2	3
57	Fabrication and Characterization of Biogenic Selenium Nanoparticles. Crystallography Reports, 2018, 63, 276-279.	0.1	2
58	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
59	Efficient screening of ligand-receptor complex formation using fluorescence labeling and size-exclusion chromatography. Biochemical and Biophysical Research Communications, 2020, 532, 127-133.	1.0	2
60	Microstructure and Rheological Behavior of Stabilized Gold Nanoparticles Hydrosol. Crystallography Reports, 2021, 66, 612-617.	0.1	2
61	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
62	Synthesis and electrospinning of star-shaped poly(L-lactide) with different arm lengths. Journal of Physics: Conference Series, 2019, 1347, 012098.	0.3	1
63	Cryo-Electron Tomography Studies of Cell Systems. Crystallography Reports, 2020, 65, 744-748.	0.1	1
64	Heterophase Polymerization of Styrene in the Presence of Boltorn Polyester Polyol. Polymer Science - Series B, 2020, 62, 22-29.	0.3	1
65	Formation of High-Order Structures in Solution by CBS-Pyrophosphatase from <i>D. hafniense</i> . Crystallography Reports, 2021, 66, 833-839.	0.1	1
66	Carbon Nanofiber Material Based on the ANMA-IA Copolymer for a Biofuel Cell Electrode. Nanotechnologies in Russia, 2020, 15, 55-62.	0.7	1
67	Environmental Scanning Electron Microscopy of Dermal Fibroblasts on Various Types of Polymer Scaffolds. Crystallography Reports, 2020, 65, 762-765.	0.1	1
68	Vaccine building $\tilde{\text{kit}}^{\text{TM}}$: combining peptide bricks to elicit a desired immune response without adding an adjuvant. Nanomedicine, 2022, 17, 461-475.	1.7	1
69	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
70	Determination of the Microstructure of Decellularized Dermal Scaffolds. Nanotechnologies in Russia, 2019, 14, 362-366.	0.7	0
71	Electron Diffraction of Microcrystals on the Example of Lysozyme. Crystallography Reports, 2021, 66, 765-768.	0.1	0
72	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

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73	Abstract P-41: Cryo-Electron Tomography and 3D Analysis of Detonation Nanodiamonds Hydrosols. International Journal of Biomedicine, 2019, 9, S35-S35.	0.1	0
74	Evaluation of immune and chemical precipitation methods for plasma exosome isolation. , 2020, 15, e0242732.		0
75	Evaluation of immune and chemical precipitation methods for plasma exosome isolation. , 2020, 15, e0242732.		0
76	Evaluation of immune and chemical precipitation methods for plasma exosome isolation. , 2020, 15, e0242732.		0
77	Evaluation of immune and chemical precipitation methods for plasma exosome isolation. , 2020, 15, e0242732.		0