

Radostina Georgieva

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7921418/publications.pdf>

Version: 2024-02-01

64
papers

2,262
citations

257357

24
h-index

214721

47
g-index

65
all docs

65
docs citations

65
times ranked

3281
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient magnetic stem cell labeling with citrate-coated superparamagnetic iron oxide nanoparticles for MRI tracking. <i>Biomaterials</i> , 2012, 33, 4515-4525.	5.7	196
2	Riboflavin: The Health Benefits of a Forgotten Natural Vitamin. <i>International Journal of Molecular Sciences</i> , 2020, 21, 950.	1.8	175
3	Hollow Polymer Shells from Biological Templates: Fabrication and Potential Applications. <i>Chemistry - A European Journal</i> , 2002, 8, 5481-5485.	1.7	167
4	Magnetite-Loaded Carrier Erythrocytes as Contrast Agents for Magnetic Resonance Imaging. <i>Nano Letters</i> , 2006, 6, 2505-2509.	4.5	166
5	Coupled Enzyme Reactions in Multicompartment Microparticles. <i>Biomacromolecules</i> , 2010, 11, 1480-1487.	2.6	147
6	Nanoplasmonics for Dual-Molecule Release through Nanopores in the Membrane of Red Blood Cells. <i>ACS Nano</i> , 2012, 6, 4169-4180.	7.3	136
7	Permeation of Macromolecules into Polyelectrolyte Microcapsules. <i>Biomacromolecules</i> , 2002, 3, 517-524.	2.6	91
8	Fabrication of Colloidal Stable, Thermosensitive, and Biocompatible Magnetite Nanoparticles and Study of Their Reversible Agglomeration in Aqueous Milieu. <i>Chemistry of Materials</i> , 2009, 21, 1906-1914.	3.2	90
9	Nonvasoconstrictive Hemoglobin Particles as Oxygen Carriers. <i>ACS Nano</i> , 2013, 7, 7454-7461.	7.3	87
10	Hemoglobin-Based Oxygen Carrier Microparticles: Synthesis, Properties, and In Vitro and In Vivo Investigations. <i>Biomacromolecules</i> , 2012, 13, 3292-3300.	2.6	79
11	Red Blood Cell Templated Polyelectrolyte Capsules: A Novel Vehicle for the Stable Encapsulation of DNA and Proteins. <i>Macromolecular Rapid Communications</i> , 2006, 27, 435-440.	2.0	72
12	Conductance and Capacitance of Polyelectrolyte and Lipid ⁺ Polyelectrolyte Composite Capsules As Measured by Electrorotation. <i>Langmuir</i> , 2000, 16, 7075-7081.	1.6	57
13	Permeability and Conductivity of Red Blood Cell Templated Polyelectrolyte Capsules Coated with Supplementary Layers. <i>Langmuir</i> , 2004, 20, 1895-1900.	1.6	57
14	Low Frequency Electrorotation of Fixed Red Blood Cells. <i>Biophysical Journal</i> , 1998, 74, 2114-2120.	0.2	51
15	Fluorescence Studies of the Binding of Anionic Derivatives of Pyrene and Fluorescein to Cationic Polyelectrolytes in Aqueous Solution. <i>Macromolecules</i> , 1998, 31, 7365-7377.	2.2	45
16	In vitro Inhibition of Fungal Activity by Macrophage-Mediated Sequestration and Release of Encapsulated Amphotericin B Nanosuspension in Red Blood Cells. <i>Small</i> , 2010, 6, 96-103.	5.2	44
17	Immobilization of lipase B within micron-sized poly-N-isopropylacrylamide hydrogel particles by solvent exchange. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9594.	1.3	43
18	Influence of different salts on micro-sized polyelectrolyte hollow capsules. <i>Journal of Materials Chemistry</i> , 2005, 15, 4301.	6.7	41

#	ARTICLE	IF	CITATIONS
19	Novel Hemoglobin Particles-Promising New-Generation Hemoglobin-Based Oxygen Carriers. <i>Artificial Organs</i> , 2014, 38, 708-714.	1.0	36
20	Protein Particles Formed by Protein Activation and Spontaneous Self-Assembly. <i>Advanced Functional Materials</i> , 2010, 20, 4139-4144.	7.8	35
21	Immobilization of Water-Soluble HRP within Poly-N-isopropylacrylamide Microgel Particles for Use in Organic Media. <i>Langmuir</i> , 2013, 29, 16002-16009.	1.6	34
22	Surface-modified loaded human red blood cells for targeting and delivery of drugs. <i>Journal of Microencapsulation</i> , 2012, 29, 9-20.	1.2	32
23	Photosensitizer-loaded electrospun chitosan-based scaffolds for photodynamic therapy and tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 57-64.	2.5	32
24	Light-induced antibacterial activity of electrospun chitosan-based material containing photosensitizer. <i>Materials Science and Engineering C</i> , 2017, 70, 311-316.	3.8	31
25	New 4-Maleamic Acid and 4-Maleamide Peptidyl Chalcones as Potential Multitarget Drugs for Human Prostate Cancer. <i>Pharmaceutical Research</i> , 2011, 28, 907-919.	1.7	25
26	Role of membrane proteins in thermal damage and necrosis of red blood cells. <i>Thermochimica Acta</i> , 2007, 456, 7-12.	1.2	19
27	Structure and properties of hybrid biopolymer particles fabricated by co-precipitation cross-linking dissolution procedure. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 156-164.	5.0	18
28	Antioxidative protection of haemoglobin microparticles (HbMPs) by PolyDopamine. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, S693-S701.	1.9	16
29	Composite lipid polyelectrolyte capsules templated on red blood cells: fabrication and structural characterisation. <i>Medical and Biological Engineering and Computing</i> , 2003, 41, 504-508.	1.6	15
30	Activity of Immobilized Trypsin in the Layer Structure of Polyelectrolyte Microcapsules (PEMC). <i>Macromolecular Bioscience</i> , 2007, 7, 1243-1249.	2.1	15
31	Temperature Controlled Activity of Lipase B from <i>Candida Antarctica</i> after Immobilization within p-NIPAM Microgel Particles. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012, 226, 749-759.	1.4	14
32	Ac-field-induced KCl leakage from human red cells at low ionic strengths. <i>Bioelectrochemistry</i> , 1989, 22, 255-270.	1.0	13
33	Preclinical In Vitro Safety Investigations of Submicron Sized Hemoglobin Based Oxygen Carrier HbMP-700. <i>Artificial Organs</i> , 2018, 42, 549-559.	1.0	13
34	Doxorubicin-Loaded Human Serum Albumin Submicron Particles: Preparation, Characterization and In Vitro Cellular Uptake. <i>Pharmaceutics</i> , 2020, 12, 224.	2.0	13
35	low-frequency dispersion of surface conducting particles as measured by means of electrorotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 140, 325-332.	2.3	11
36	Controlling Ionic Conductivity in Lipid Polyelectrolyte Composite Capsules by Cholesterol. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18025-18030.	1.2	10

#	ARTICLE	IF	CITATIONS
37	Improved oxygen storage capacity of haemoglobin submicron particles by one-pot formulation. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, S964-S972.	1.9	10
38	Targeted Propolis-Loaded Poly (Butyl) Cyanoacrylate Nanoparticles: An Alternative Drug Delivery Tool for the Treatment of Cryptococcal Meningitis. <i>Frontiers in Pharmacology</i> , 2021, 12, 723727.	1.6	10
39	Preparation and cytotoxic properties of goethite-based nanoparticles covered with decyldimethyl(dimethylaminoethoxy) silane methiodide. <i>Applied Organometallic Chemistry</i> , 2010, 24, 193-197.	1.7	9
40	Drug Exchange between Albumin Nanoparticles and Erythrocyte Membranes. <i>Nanomaterials</i> , 2019, 9, 47.	1.9	9
41	Effects of heat and freeze on isolated erythrocyte submembrane skeletons. <i>General Physiology and Biophysics</i> , 2017, 36, 155-165.	0.4	8
42	On the molecular interaction between albumin and ibuprofen: An AFM and QCM-D study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 355-362.	2.5	7
43	Inflammatory activation of human serum albumin- or ovalbumin-modified chitosan particles to macrophages and their immune response in human whole blood. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3096-3106.	2.9	7
44	Surface Modification of Hemoglobin-Based Oxygen Carriers Reduces Recognition by Haptoglobin, Immunoglobulin, and Hemoglobin Antibodies. <i>Coatings</i> , 2019, 9, 454.	1.2	7
45	<i>In-vitro</i> haemocompatibility of dextran-protein submicron particles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 241-249.	1.9	7
46	Albumin Submicron Particles with Entrapped Riboflavin—Fabrication and Characterization. <i>Nanomaterials</i> , 2019, 9, 482.	1.9	7
47	Alpha- and beta-dispersion of fixed platelets: comparison with a structure-based theoretical approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 197, 27-35.	2.3	6
48	Vitamin combinations reduce oxidative stress and improve antioxidant status in patients with iron deficiency anemia. <i>Comparative Clinical Pathology</i> , 2005, 14, 99-104.	0.3	6
49	Kinetics and Efficiency of a Methyl-Carboxylated 5-Fluorouracil-Bovine Serum Albumin Adduct for Targeted Delivery. <i>Macromolecular Bioscience</i> , 2014, 14, 428-439.	2.1	6
50	RBC aggregation in dextran solutions can be measured by flow cytometry. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 65, 93-101.	0.9	6
51	Photo-Decomposable Sub-Micrometer Albumin Particles Cross-Linked by <i>ortho</i> -Nitrobenzyl Derivatives. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700413.	1.1	6
52	Micromechanical Properties of Newly Developed Polyelectrolyte Microcapsules (PEMC). , 2005, , 205-216.		5
53	Influence of polychemotherapy on the antioxidant levels and lipid peroxidation in patients with lymphoproliferative diseases. <i>Comparative Clinical Pathology</i> , 2005, 14, 13-18.	0.3	5
54	Fabrication and Characterization of Human Serum Albumin Particles Loaded with Non-Sericin Extract Obtained from Silk Cocoon as a Carrier System for Hydrophobic Substances. <i>Polymers</i> , 2021, 13, 334.	2.0	4

#	ARTICLE	IF	CITATIONS
55	Non-Destructive Mechanical Testing of Allograft Bone-Implants by Analytic Centrifugation. <i>Experimental Mechanics</i> , 2016, 56, 1653-1660.	1.1	3
56	Physical attachment of fluorescent protein particles to atomic force microscopy probes in aqueous media: Implications for surface pH, fluorescence, and mechanical properties studies. <i>Microscopy Research and Technique</i> , 2010, 73, 746-751.	1.2	2
57	Determination of Methemoglobin in Hemoglobin Submicron Particles Using NMR Relaxometry. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8978.	1.8	2
58	Interactions of the spin-labeled chloroethylnitrosourea SLCNUgly with electrode-supported lipid films. <i>Electrochimica Acta</i> , 2016, 192, 439-447.	2.6	1
59	Detection of CD33 expression on monocyte surface is influenced by phagocytosis and temperature. <i>General Physiology and Biophysics</i> , 2019, 38, 369-378.	0.4	1
60	Hollow Polymer Shells from Biological Templates: Fabrication and Potential Applications. , 2002, 8, 5481.		1
61	Bacterial safety study of the production process of hemoglobin-based oxygen carriers. <i>Beilstein Journal of Nanotechnology</i> , 2022, 13, 114-126.	1.5	1
62	Principal component analysis of hemoglobin redox reaction in spectroelectrochemical cell. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
63	Blood Cells as Carriers for Magnetically Targeted Delivery of Drugs. , 2012, , 387-418.		0
64	A Generalized Net Model of the Prostate Gland's Functioning. <i>Mathematics</i> , 2022, 10, 479.	1.1	0