

Maksim Ionov

List of Publications by Year in descending order

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84
papers

2,124
citations

230014

27
h-index

299063

42
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85
all docs

85
docs citations

85
times ranked

2608
citing authors

#	ARTICLE	IF	CITATIONS
1	Hippophae rhamnoides L. leaf and twig extracts as rich sources of nutrients and bioactive compounds with antioxidant activity. <i>Scientific Reports</i> , 2022, 12, 1095.	1.6	5
2	Unmodified and tyrosine-modified polyethylenimines as potential carriers for siRNA: Biophysical characterization and toxicity. <i>International Journal of Pharmaceutics</i> , 2022, 614, 121468.	2.6	8
3	Evaluation of dendronized gold nanoparticles as siRNAs carriers into cancer cells. <i>Journal of Molecular Liquids</i> , 2021, 324, 114726.	2.3	15
4	Combined therapy of ruthenium dendrimers and anti-cancer drugs against human leukemic cells. <i>Dalton Transactions</i> , 2021, 50, 9500-9511.	1.6	8
5	Comparison of the effects of dendrimer, micelle and silver nanoparticles on phospholipase A2 structure. <i>Journal of Biotechnology</i> , 2021, 331, 48-52.	1.9	3
6	Chimeric Stimuli-Responsive Liposomes as Nanocarriers for the Delivery of the Anti-Glioma Agent TRAM-34. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6271.	1.8	7
7	Tyrosine-modified linear PEIs for highly efficacious and biocompatible siRNA delivery in vitro and in vivo. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 36, 102403.	1.7	16
8	Dendrimeric HIV-peptide delivery nanosystem affects lipid membranes structure. <i>Scientific Reports</i> , 2021, 11, 16810.	1.6	3
9	Organometallic dendrimers based on Ruthenium(II) N-heterocyclic carbenes and their implication as delivery systems of anticancer small interfering RNA. <i>Journal of Inorganic Biochemistry</i> , 2021, 223, 111540.	1.5	16
10	Dendronized Gold Nanoparticles as Carriers for gp160 (HIV-1) Peptides: Biophysical Insight into Complex Formation. <i>Langmuir</i> , 2021, 37, 1542-1550.	1.6	10
11	Nanoparticles for local delivery of siRNA in lung therapy. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 114038.	6.6	23
12	Blood Compatibility of Amphiphilic Phosphorous Dendrons as Prospective Drug Nanocarriers. <i>Biomedicines</i> , 2021, 9, 1672.	1.4	4
13	Protein kinases as therapeutic targets to develop anticancer drugs with natural alkaloids. <i>Frontiers in Bioscience</i> , 2021, 26, 1349.	0.8	1
14	Comparison of cationic liposome and PAMAM dendrimer for delivery of anti-Plk1 siRNA in breast cancer treatment. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 9-19.	1.1	15
15	Copper (II) Metallodendrimers Combined with Pro-Apoptotic siRNAs as a Promising Strategy Against Breast Cancer Cells. <i>Pharmaceutics</i> , 2020, 12, 727.	2.0	17
16	Bioactive Compounds and Antiradical Activity of the Rosa canina L. Leaf and Twig Extracts. <i>Agronomy</i> , 2020, 10, 1897.	1.3	12
17	Heterofunctional ruthenium(II) carbosilane dendrons, a new class of dendritic molecules to fight against prostate cancer. <i>European Journal of Medicinal Chemistry</i> , 2020, 207, 112695.	2.6	7
18	Ruthenium Dendrimers against Human Lymphoblastic Leukemia 1301 Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4119.	1.8	20

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19	Inhibition of interaction between Staphylococcus aureus α -hemolysin and erythrocytes membrane by hydrolysable tannins: structure-related activity study. <i>Scientific Reports</i> , 2020, 10, 11168.	1.6	26
20	The impact of β -cyclodextrin on biological and chemical properties of mianserin hydrochloride in aqueous solution. <i>Journal of Molecular Liquids</i> , 2020, 314, 113589.	2.3	7
21	Physicochemical and in vitro cytotoxicity studies of inclusion complex between gemcitabine and cucurbit[7]uril host. <i>Bioorganic Chemistry</i> , 2020, 99, 103843.	2.0	7
22	Zeta potential technique for analyzing semen quality. <i>MethodsX</i> , 2020, 7, 100895.	0.7	9
23	Cyclopentadienyl ruthenium(II) carboxilane metallodendrimers as a promising treatment against advanced prostate cancer. <i>European Journal of Medicinal Chemistry</i> , 2020, 199, 112414.	2.6	14
24	Ruthenium dendrimers against acute promyelocytic leukemia: <i>in vitro</i> studies on HL-60 cells. <i>Future Medicinal Chemistry</i> , 2019, 11, 1741-1756.	1.1	14
25	Dendrimers and hyperbranched structures for biomedical applications. <i>European Polymer Journal</i> , 2019, 119, 61-73.	2.6	98
26	Synthesis and Characterization of FITC Labelled Ruthenium Dendrimer as a Prospective Anticancer Drug. <i>Biomolecules</i> , 2019, 9, 411.	1.8	19
27	Dendrimer for Templating the Growth of Porous Catechol-Coordinated Titanium Dioxide Frameworks: Toward Hemocompatible Nanomaterials. <i>ACS Applied Nano Materials</i> , 2019, 2, 2979-2990.	2.4	18
28	Dendrimer mediated targeting of siRNA against polo-like kinase for the treatment of triple negative breast cancer. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1933-1944.	2.1	31
29	In Vitro Anticancer Properties of Copper Metallodendrimers. <i>Biomolecules</i> , 2019, 9, 155.	1.8	22
30	Immunoreactivity changes of human serum albumin and alpha-1-microglobulin induced by their interaction with dendrimers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 226-232.	2.5	4
31	Complexes of Pro-Apoptotic siRNAs and Carboxilane Dendrimers: Formation and Effect on Cancer Cells. <i>Pharmaceutics</i> , 2019, 11, 25.	2.0	24
32	Ruthenium dendrimers as carriers for anticancer siRNA. <i>Journal of Inorganic Biochemistry</i> , 2018, 181, 18-27.	1.5	33
33	Influence of valoneoyl groups on the interactions between Euphorbia tannins and human serum albumin. <i>Journal of Luminescence</i> , 2018, 194, 170-178.	1.5	27
34	Cationic liposomes for co-delivery of paclitaxel and anti-Plk1 siRNA to achieve enhanced efficacy in breast cancer. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 48, 253-265.	1.4	17
35	Dendrimer as a new potential carrier for topical delivery of siRNA: A comparative study of dendriplex vs. lipoplex for delivery of TNF- α siRNA. <i>International Journal of Pharmaceutics</i> , 2018, 550, 240-250.	2.6	46
36	Role of cationic carboxilane dendrons and metallic core of functionalized gold nanoparticles in their interaction with human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1773-1780.	3.6	13

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37	Dendrimer-protein interactions versus dendrimer-based nanomedicine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 414-422.	2.5	42
38	Interaction of Î±-synuclein with Rhus typhina tannin – Implication for Parkinson’s disease. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 159-165.	2.5	16
39	Binding of poly(amidoamine), carbosilane, phosphorus and hybrid dendrimers to thrombin – Constants and mechanisms. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 11-16.	2.5	9
40	Ruthenium metallodendrimers with anticancer potential in an acute promyelocytic leukemia cell line (HL60). <i>European Polymer Journal</i> , 2017, 87, 39-47.	2.6	34
41	Multi-Target Inhibition of Cancer Cell Growth by siRNA Cocktails and 5-Fluorouracil Using Effective Piperidine-Terminated Phosphorus Dendrimers. <i>Colloids and Interfaces</i> , 2017, 1, 6.	0.9	26
42	The effect of polyethylene glycol-modified lipids on the interaction of HIV-1 derived peptide – dendrimer complexes with lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 3005-3016.	1.4	7
43	Interaction between dendrimers and regulatory proteins. Comparison of effects of carbosilane and carbosilane – viologen – phosphorus dendrimers. <i>RSC Advances</i> , 2016, 6, 97546-97554.	1.7	10
44	Biomolecular Interactions of Tannin Isolated from <i>Oenothera gigas</i> with Liposomes. <i>Journal of Membrane Biology</i> , 2016, 249, 171-179.	1.0	11
45	Effect of dendrimers on selected enzymes – Evaluation of nano carriers. <i>International Journal of Pharmaceutics</i> , 2016, 499, 247-254.	2.6	21
46	Influence of PAMAM dendrimers on the human insulin. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	3
47	Dendrimers complexed with HIV-1 peptides interact with liposomes and lipid monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 907-915.	1.4	20
48	Improving thermal stability of thermophilic l -threonine aldolase from <i>Thermotoga maritima</i> . <i>Journal of Biotechnology</i> , 2015, 199, 69-76.	1.9	8
49	Nanoparticle corona for proteins: mechanisms of interaction between dendrimers and proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 377-383.	2.5	31
50	Anticancer siRNA cocktails as a novel tool to treat cancer cells. Part (A). Mechanisms of interaction. <i>International Journal of Pharmaceutics</i> , 2015, 485, 261-269.	2.6	64
51	Anticancer siRNA cocktails as a novel tool to treat cancer cells. Part (B). Efficiency of pharmacological action. <i>International Journal of Pharmaceutics</i> , 2015, 485, 288-294.	2.6	71
52	Biophysical studies of interaction between hydrolysable tannins isolated from <i>Oenothera gigas</i> and <i>Geranium sanguineum</i> with human serum albumin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 623-628.	2.5	28
53	How to study dendrimers and dendriplexes III. Biodistribution, pharmacokinetics and toxicity in vivo. <i>Journal of Controlled Release</i> , 2014, 181, 40-52.	4.8	93
54	Interaction of phosphorus dendrimers with HIV peptides – Fluorescence studies of nano-complexes formation. <i>Journal of Luminescence</i> , 2014, 148, 364-369.	1.5	9

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55	HIV-Antigens Charged on Phosphorus Dendrimers as Tools for Tolerogenic Dendritic Cells-Based Immunotherapy. <i>Current Medicinal Chemistry</i> , 2014, 21, 1898-1909.	1.2	19
56	Glycodendrimers as new tools in the search for effective anti-HIV DC-based immunotherapies. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 972-984.	1.7	36
57	Growth, Development and Yield of <i>Crambe Abyssinica</i> Under Saline Irrigation in the Greenhouse. <i>Journal of Agronomy and Crop Science</i> , 2013, 199, 331-339.	1.7	27
58	Complexation of HIV derived peptides with carbosilane dendrimers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 101, 236-242.	2.5	40
59	Biophysical Characterization of Glycodendrimers As Nano-carriers for HIV Peptides. <i>Current Medicinal Chemistry</i> , 2013, 20, 3935-3943.	1.2	17
60	Dendrimers reduce toxicity of A β ¹⁻²⁸ peptide during aggregation and accelerate fibril formation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1372-1378.	1.7	49
61	siRNA carriers based on carbosilane dendrimers affect zeta potential and size of phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2209-2216.	1.4	31
62	Stability and antioxidant activity of gossypol derivative immobilized on N-polyvinylpyrrolidone. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 908-914.	3.6	3
63	Phosphorus Dendrimers Affect Alzheimer's (A β ¹⁻²⁸) Peptide and MAP-Tau Protein Aggregation. <i>Molecular Pharmaceutics</i> , 2012, 9, 458-469.	2.3	98
64	Effect of phosphorus dendrimers on DMPC lipid membranes. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 408-413.	1.5	35
65	Cationic carbosilane dendrimers' lipid membrane interactions. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 401-407.	1.5	30
66	Stabilization of erythrocytes against oxidative and hypotonic stress by tannins isolated from sumac leaves (<i>Rhus typhina</i> L.) and grape seeds (<i>Vitis vinifera</i> L.). <i>Cellular and Molecular Biology Letters</i> , 2012, 17, 333-48.	2.7	30
67	Interactions of phosphorus-containing dendrimers with liposomes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 221-226.	1.2	40
68	Mechanism of neuroprotection of melatonin against beta-amyloid neurotoxicity. <i>Neuroscience</i> , 2011, 180, 229-237.	1.1	49
69	A New Chimeric Drug Delivery Nano System (chi-aDDnS) Composed of PAMAM G 3.5 Dendrimer and Liposomes as Doxorubicin's Carrier. &In Vitro&In Vitro; Pharmacological Studies. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3764-3772.	0.9	26
70	Membrane cholesterol content plays a key role in the neurotoxicity of β -amyloid: implications for Alzheimer's disease. <i>Aging Cell</i> , 2011, 10, 595-603.	3.0	81
71	Oil content and lipid composition of safflower (<i>Carthamus tinctorius</i>) irrigated with saline water under greenhouse and field conditions. <i>Annals of Applied Biology</i> , 2011, 159, 169-177.	1.3	5
72	Influence of irrigation-water salinity on lipids of <i>Crambe abyssinica</i> seeds. <i>Chemistry of Natural Compounds</i> , 2011, 46, 862-865.	0.2	5

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73	Interaction of cationic phosphorus dendrimers (CPD) with charged and neutral lipid membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 8-12.	2.5	41
74	The interaction of PVP complexes of gossypol and its derivatives with an artificial membrane lipid matrix. <i>Cellular and Molecular Biology Letters</i> , 2010, 15, 98-117.	2.7	5
75	Effect of amyloid beta peptides A β ²¹⁻²⁸ and A β ²⁵⁻⁴⁰ on model lipid membranes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 99, 741-747.	2.0	30
76	Use of polyamidoamine dendrimers to engineer BDNF-producing human mesenchymal stem cells. <i>Molecular Biology Reports</i> , 2010, 37, 2003-2008.	1.0	30
77	New Drug Delivery Nanosystem Combining Liposomal and Dendrimeric Technology (Liposomal) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	47
78	Interaction of the prion protein fragment PrP 185-206 with biological membranes: effect on membrane permeability. <i>Journal of Peptide Science</i> , 2010, 16, 342-348.	0.8	10
79	The Immobilization of Gossypol Derivative on N-Polyvinylpyrrolidone Increases its Water Solubility and Modifies Membrane-Active Properties. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4119-4125.	2.9	13
80	Interactions between dendrimers and heparin and their implications for the anti-prion activity of dendrimers. <i>New Journal of Chemistry</i> , 2009, 33, 1087.	1.4	50
81	The Influence of Densely Organized Maltose Shells on the Biological Properties of Poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock 135	1.7	135
82	Left- and right-handed LHC-II macroaggregates revealed by circularly polarized chlorophyll luminescence. <i>Photosynthesis Research</i> , 2006, 87, 253-265.	1.6	13
83	Isolation and Properties of a Biocidal Peptide from Hibiscus cannabinus Seeds. <i>Chemistry of Natural Compounds</i> , 2004, 40, 63-65.	0.2	2
84	The Effect of Pea Chloroplast Alignment and Variation of Excitation Wavelength on the Circularly Polarized Chlorophyll Luminescence. <i>Journal of Fluorescence</i> , 2004, 14, 207-216.	1.3	5