

Barbara Klajnert-Maculewicz

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

144 papers	5,527 citations	41 h-index	67 g-index
149 ext. papers	6,119 ext. citations	5.5 avg, IF	5.94 L-index

#	Paper	IF	Citations
144	Triazine-Carbosilane Dendrimersomes Enhance Cellular Uptake and Phototoxic Activity of Rose Bengal in Basal Cell Skin Carcinoma Cells.. <i>International Journal of Nanomedicine</i> , 2022 , 17, 1139-1154	7.3	1
143	Nanoparticles for Directed Immunomodulation: Mannose-Functionalized Glycodendrimers Induce Interleukin-8 in Myeloid Cell Lines. <i>Biomacromolecules</i> , 2021 , 22, 3396-3407	6.9	0
142	Evaluation of dendronized gold nanoparticles as siRNAs carriers into cancer cells. <i>Journal of Molecular Liquids</i> , 2021 , 324, 114726	6	6
141	Systematic Studies of Gold Nanoparticles Functionalised with Thioglucose and its Cytotoxic Effect. <i>ChemistrySelect</i> , 2021 , 6, 1230-1237	1.8	0
140	Noncovalent Interactions with PAMAM and PPI Dendrimers Promote the Cellular Uptake and Photodynamic Activity of Rose Bengal: The Role of the Dendrimer Structure. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 15758-15771	8.3	4
139	Synthesis and Shaping of Core-Shell Tecto Dendrimers for Biomedical Applications. <i>Bioconjugate Chemistry</i> , 2021 , 32, 225-233	6.3	7
138	Poly(lysine) Dendrimers Form Complexes with siRNA and Provide Its Efficient Uptake by Myeloid Cells: Model Studies for Therapeutic Nucleic Acid Delivery. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	25
137	In Search of a Phosphorus Dendrimer-Based Carrier of Rose Bengal: Tyramine Linker Limits Fluorescent and Phototoxic Properties of a Photosensitizer. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
136	Silver Nanoparticles Surface-Modified with Carbosilane Dendrons as Carriers of Anticancer siRNA. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
135	Glucose-modified carbosilane dendrimers: Interaction with model membranes and human serum albumin. <i>International Journal of Pharmaceutics</i> , 2020 , 579, 119138	6.5	2
134	Influence of Free Fatty Acids on Lipid Membrane-Nisin Interaction. <i>Langmuir</i> , 2020 , 36, 13535-13544	4	3
133	Nanocarriers in photodynamic therapy-in vitro and in vivo studies. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1509	9.2	21
132	Application of new lysine-based peptide dendrimers D3K2 and D3G2 for gene delivery: Specific cytotoxicity to cancer cells and transfection in vitro. <i>Bioorganic Chemistry</i> , 2020 , 95, 103504	5.1	31
131	Synthesis, Internalization and Visualization of -(4-Carbomethoxy) Pyrrolidone Terminated PAMAM [G5:G3-TREN] Tecto(dendrimers) in Mammalian Cells. <i>Molecules</i> , 2020 , 25,	4.8	9
130	Physicochemical and in vitro cytotoxicity studies of inclusion complex between gemcitabine and cucurbit[7]uril host. <i>Bioorganic Chemistry</i> , 2020 , 99, 103843	5.1	4
129	Multicomponent Conjugates of Anticancer Drugs and Monoclonal Antibody with PAMAM Dendrimers to Increase Efficacy of HER-2 Positive Breast Cancer Therapy. <i>Pharmaceutical Research</i> , 2019 , 36, 154	4.5	39
128	Molecular Mechanisms of Antitumor Activity of PAMAM Dendrimer Conjugates with Anticancer Drugs and a Monoclonal Antibody. <i>Polymers</i> , 2019 , 11,	4.5	8

127	Fludarabine-Specific Molecular Interactions with Maltose-Modified Poly(propyleneimine) Dendrimer Enable Effective Cell Entry of the Active Drug Form: Comparison with Clofarabine. <i>Biomacromolecules</i> , 2019 , 20, 1429-1442	6.9	13
126	Effect of the Structure of Therapeutic Adenosine Analogues on Stability and Surface Electrostatic Potential of their Complexes with Poly(propyleneimine) Dendrimers. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1900181	4.8	8
125	PAMAM and PPI Dendrimers in Biophysical and Thermodynamic Studies on the Delivery of Therapeutic Nucleotides, Nucleosides and Nucleobase Derivatives for Anticancer Applications. <i>Series in Bioengineering</i> , 2019 , 183-243	0.7	1
124	Zwitterionic Gadolinium(III)-Complexed Dendrimer-Entrapped Gold Nanoparticles for Enhanced Computed Tomography/Magnetic Resonance Imaging of Lung Cancer Metastasis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15212-15221	9.5	66
123	Sugar Modification Enhances Cytotoxic Activity of PAMAM-Doxorubicin Conjugate in Glucose-Deprived MCF-7 Cells - Possible Role of GLUT1 Transporter. <i>Pharmaceutical Research</i> , 2019 , 36, 140	4.5	28
122	Cytotoxicity of Dendrimers. <i>Biomolecules</i> , 2019 , 9,	5.9	141
121	Pyrrolidone-modified PAMAM dendrimers enhance anti-inflammatory potential of indomethacin in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 959-962	6	6
120	Non-Traditional Intrinsic Luminescence (NTIL): Dynamic Quenching Demonstrates the Presence of Two Distinct Fluorophore Types Associated with NTIL Behavior in Pyrrolidone-Terminated PAMAM Dendrimers. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18007-18016	3.8	15
119	Gold Nanoparticles in Cancer Treatment. <i>Molecular Pharmaceutics</i> , 2019 , 16, 1-23	5.6	213
118	Non-traditional intrinsic luminescence: inexplicable blue fluorescence observed for dendrimers, macromolecules and small molecular structures lacking traditional/conventional luminophores. <i>Progress in Polymer Science</i> , 2019 , 90, 35-117	29.6	134
117	Poly(propyleneimine) glycodendrimers non-covalently bind ATP in a pH- and salt-dependent manner - model studies for adenosine analogue drug delivery. <i>International Journal of Pharmaceutics</i> , 2018 , 544, 83-90	6.5	15
116	Pyrrolidone Modification Prevents PAMAM Dendrimers from Activation of Pro-Inflammatory Signaling Pathways in Human Monocytes. <i>Molecular Pharmaceutics</i> , 2018 , 15, 12-20	5.6	17
115	Glycodendrimer Nanocarriers for Direct Delivery of Fludarabine Triphosphate to Leukemic Cells: Improved Pharmacokinetics and Pharmacodynamics of Fludarabine. <i>Biomacromolecules</i> , 2018 , 19, 531-543	6.9	24
114	Terminal Sugar Moiety Determines Immunomodulatory Properties of Poly(propyleneimine) Glycodendrimers. <i>Biomacromolecules</i> , 2018 , 19, 1562-1572	6.9	8
113	Multivalent interacting glycodendrimer to prevent amyloid-peptide fibril formation induced by Cu(II): A multidisciplinary approach. <i>Nano Research</i> , 2018 , 11, 1204-1226	10	19
112	Conjugate of PAMAM Dendrimer, Doxorubicin and Monoclonal Antibody-Trastuzumab: The New Approach of a Well-Known Strategy. <i>Polymers</i> , 2018 , 10,	4.5	24
111	Complexes of Indomethacin with 4-Carbomethoxy-pyrrolidone PAMAM Dendrimers Show Improved Anti-inflammatory Properties and Temperature-Dependent Binding and Release Profile. <i>Molecular Pharmaceutics</i> , 2018 , 15, 3573-3582	5.6	13
110	Determination of non-traditional intrinsic fluorescence (NTIF) emission sites in 1-(4-carbomethoxypyrrolidone)-PAMAM dendrimers using CNDP-based quenching studies. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	11

109	Intrinsic Fluorescence of PAMAM Dendrimers-Quenching Studies. <i>Polymers</i> , 2018 , 10,	4.5	9
108	Dendrimers as nanocarriers for nucleoside analogues. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 114, 43-56	5.7	20
107	Dendrimers for fluorescence-based bioimaging. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 1157-1166	3.5	8
106	Mechanisms of Internalization of Maltose-Modified Poly(propyleneimine) Glycodendrimers into Leukemic Cell Lines. <i>Biomacromolecules</i> , 2017 , 18, 1509-1520	6.9	16
105	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	6	7
104	Cationic Phosphorus Dendrimer Enhances Photodynamic Activity of Rose Bengal against Basal Cell Carcinoma Cell Lines. <i>Molecular Pharmaceutics</i> , 2017 , 14, 1821-1830	5.6	19
103	Influence of core and maltose surface modification of PEIs on their interaction with plasma proteins-Human serum albumin and lysozyme. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 152, 18-28	6	9
102	Modified PAMAM dendrimer with 4-carbomethoxypyrrolidone surface groups-its uptake, efflux, and location in a cell. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 159, 211-216	6	28
101	Sugar-Modified Poly(propylene imine) Dendrimers Stimulate the NF- κ B Pathway in a Myeloid Cell Line. <i>Pharmaceutical Research</i> , 2017 , 34, 136-147	4.5	21
100	Can dendrimer based nanoparticles fight neurodegenerative diseases? Current situation versus other established approaches. <i>Progress in Polymer Science</i> , 2017 , 64, 23-51	29.6	42
99	Unusual Enhancement of Doxorubicin Activity on Co-Delivery with Polyhedral Oligomeric Silsesquioxane (POSS). <i>Materials</i> , 2017 , 10,	3.5	8
98	Complexing Methylene Blue with Phosphorus Dendrimers to Increase Photodynamic Activity. <i>Molecules</i> , 2017 , 22,	4.8	10
97	Glycodendrimer PPI as a Potential Drug in Chronic Lymphocytic Leukaemia. The Influence of Glycodendrimer on Apoptosis in In Vitro B-CLL Cells Defined by Microarrays. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2017 , 17, 102-114	2.2	9
96	Two for the Price of One: PAMAM-Dendrimers with Mixed Phosphoryl Choline and Oligomeric Poly(Caprolactone) Surfaces. <i>Bioconjugate Chemistry</i> , 2016 , 27, 1547-57	6.3	12
95	Fourier transform infrared spectroscopy (FTIR) characterization of the interaction of anti-cancer photosensitizers with dendrimers. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 535-44	4.4	22
94	Sugar-modified poly(propylene imine) dendrimers as drug delivery agents for cytarabine to overcome drug resistance. <i>International Journal of Pharmaceutics</i> , 2016 , 513, 572-583	6.5	37
93	Phosphorus dendrimers and photodynamic therapy. Spectroscopic studies on two dendrimer-photosensitizer complexes: Cationic phosphorus dendrimer with rose bengal and anionic phosphorus dendrimer with methylene blue. <i>International Journal of Pharmaceutics</i> , 2015 , 492, 266-74	6.5	31
92	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, 288-94	6.5	61

91	Maltose modified poly(propylene imine) dendrimers as potential carriers of nucleoside analog 5Rtriphosphates. <i>International Journal of Pharmaceutics</i> , 2015 , 495, 940-7	6.5	25
90	PAMAM dendrimer with 4-carbomethoxypyrrolidone--in vitro assessment of neurotoxicity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 409-11	6	22
89	Dendritic glycopolymers based on dendritic polyamine scaffolds: view on their synthetic approaches, characteristics and potential for biomedical applications. <i>Chemical Society Reviews</i> , 2015 , 44, 3968-96	58.5	101
88	Advances in combination therapies based on nanoparticles for efficacious cancer treatment: an analytical report. <i>Biomacromolecules</i> , 2015 , 16, 1-27	6.9	85
87	Studies of Polyhedral Oligo Silsesquioxanes: Evidence for Their Low Cytotoxicity. <i>Materials</i> , 2015 , 8, 6062-6070	3.5	14
86	Cationic phosphorus dendrimers and therapy for Alzheimer's disease. <i>New Journal of Chemistry</i> , 2015 , 39, 4852-4859	3.6	31
85	Stabilizing effect of small concentrations of PAMAM dendrimers at the insulin aggregation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 116, 757-60	6	19
84	Toxicity and proapoptotic activity of poly(propylene imine) glycodendrimers in vitro: considering their contrary potential as biocompatible entity and drug molecule in cancer. <i>International Journal of Pharmaceutics</i> , 2014 , 461, 391-402	6.5	23
83	The antibacterial effect of the co-administration of poly(propylene imine) dendrimers and ciprofloxacin. <i>New Journal of Chemistry</i> , 2014 , 38, 2987	3.6	10
82	Interaction of cationic carbosilane dendrimers and their complexes with siRNA with erythrocytes and red blood cell ghosts. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 882-9	3.8	18
81	A viologen phosphorus dendritic molecule as a carrier of ATP and Mant-ATP: spectrofluorimetric and NMR studies. <i>New Journal of Chemistry</i> , 2014 , 38, 6212-6222	3.6	9
80	How to study dendrimers and dendriplexes III. Biodistribution, pharmacokinetics and toxicity in vivo. <i>Journal of Controlled Release</i> , 2014 , 181, 40-52	11.7	75
79	Studying complexes between PPI dendrimers and Mant-ATP. <i>Journal of Fluorescence</i> , 2013 , 23, 349-56	2.4	14
78	Contribution of hydrophobicity, DNA and proteins to the cytotoxicity of cationic PAMAM dendrimers. <i>International Journal of Pharmaceutics</i> , 2013 , 454, 1-3	6.5	17
77	Enhancement of antimicrobial activity by co-administration of poly(propylene imine) dendrimers and nadifloxacin. <i>New Journal of Chemistry</i> , 2013 , 37, 4156	3.6	17
76	Effect of viologen-phosphorus dendrimers on acetylcholinesterase and butyrylcholinesterase activities. <i>International Journal of Biological Macromolecules</i> , 2013 , 54, 119-24	7.9	20
75	The influence of PAMAM dendrimers surface groups on their interaction with porcine pepsin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 1982-7	4	30
74	Modified PAMAM dendrimer with 4-carbomethoxypyrrolidone surface groups reveals negligible toxicity against three rodent cell-lines. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 461-4	6	53

73	The influence of maltotriose-modified poly(propylene imine) dendrimers on the chronic lymphocytic leukemia cells in vitro: dense shell G4 PPI. <i>Molecular Pharmaceutics</i> , 2013 , 10, 2490-501	5.6	29
72	Complexation of HIV derived peptides with carbosilane dendrimers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 101, 236-42	6	34
71	Phosphorus dendrimers as carriers of siRNA--characterisation of dendriplexes. <i>Molecules</i> , 2013 , 18, 4451-466	4.6	37
70	Promising low-toxicity of viologen-phosphorus dendrimers against embryonic mouse hippocampal cells. <i>Molecules</i> , 2013 , 18, 12222-40	4.8	18
69	Dendrimers reduce toxicity of A β -28 peptide during aggregation and accelerate fibril formation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 1372-8	6	40
68	Characteristics of complexes between poly(propylene imine) dendrimers and nucleotides. <i>New Journal of Chemistry</i> , 2012 , 36, 1610	3.6	14
67	Antimicrobial activity of poly(propylene imine) dendrimers. <i>New Journal of Chemistry</i> , 2012 , 36, 2215	3.6	41
66	siRNA carriers based on carbosilane dendrimers affect zeta potential and size of phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 2209-16	3.8	28
65	Cytotoxicity of PAMAM, PPI and maltose modified PPI dendrimers in Chinese hamster ovary (CHO) and human ovarian carcinoma (SKOV3) cells. <i>New Journal of Chemistry</i> , 2012 , 36, 428-437	3.6	58
64	The biodistribution of maltotriose modified poly(propylene imine) (PPI) dendrimers conjugated with fluorescein--proofs of crossing blood--Brain--Barrier. <i>New Journal of Chemistry</i> , 2012 , 36, 350-353	3.6	44
63	Biological properties of new viologen-phosphorus dendrimers. <i>Molecular Pharmaceutics</i> , 2012 , 9, 448-575	5.6	76
62	Poly(propylene imine) dendrimers modified with maltose or maltotriose protect phosphorothioate oligodeoxynucleotides against nuclease activity. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 427, 197-201	3.4	19
61	Surface modification of PAMAM dendrimer improves its biocompatibility. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 815-7	6	84
60	Impact of maltose modified poly(propylene imine) dendrimers on liver alcohol dehydrogenase (LADH) internal dynamics and structure. <i>New Journal of Chemistry</i> , 2012 , 36, 1992	3.6	8
59	Stability of dendriplexes formed by anti-HIV genetic material and poly(propylene imine) dendrimers in the presence of glucosaminoglycans. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 14525-32	3.4	10
58	Modulation of biogenic amines content by poly(propylene imine) dendrimers in rats. <i>Journal of Physiology and Biochemistry</i> , 2012 , 68, 447-54	5	8
57	Molecular Properties of Lysine Dendrimers and their Interactions with A β -Peptides and Neuronal Cells. <i>Current Medicinal Chemistry</i> , 2012 , 20, 134-143	4.3	45
56	Influence of dendrimers on red blood cells. <i>Cellular and Molecular Biology Letters</i> , 2012 , 17, 21-35	8.1	40

55	Phosphorus dendrimers affect Alzheimer's (A β -28) peptide and MAP-Tau protein aggregation. <i>Molecular Pharmaceutics</i> , 2012 , 9, 458-69	5.6	81
54	Influence of fourth generation poly(propyleneimine) dendrimers on blood cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 2870-80	5.4	51
53	Genotoxicity of poly(propylene imine) dendrimers. <i>Biopolymers</i> , 2012 , 97, 642-8	2.2	30
52	Effect of phosphorus dendrimers on DMPC lipid membranes. <i>Chemistry and Physics of Lipids</i> , 2012 , 165, 408-13	3.7	33
51	Cationic carbosilane dendrimers-lipid membrane interactions. <i>Chemistry and Physics of Lipids</i> , 2012 , 165, 401-7	3.7	27
50	The influence of maltose modified poly(propylene imine) dendrimers on hen egg white lysozyme structure and thermal stability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 95, 103-8	6	34
49	Highly organized self-assembled dendriplexes based on poly(propylene imine) glycodendrimer and anti-HIV oligodeoxynucleotides. <i>Current Medicinal Chemistry</i> , 2012 , 19, 4708-19	4.3	12
48	Kinetics of amyloid and prion fibril formation in the absence and presence of dense shell sugar-decorated dendrimers. <i>Current Medicinal Chemistry</i> , 2012 , 19, 5907-21	4.3	10
47	Carbosilane dendrimers are a non-viral delivery system for antisense oligonucleotides: characterization of dendriplexes. <i>Journal of Biomedical Nanotechnology</i> , 2012 , 8, 57-73	4	32
46	Cytotoxicity and Genotoxicity of Cationic Phosphorus-Containing Dendrimers. <i>Current Medicinal Chemistry</i> , 2012 , 19, 6233-6240	4.3	2
45	Dendrimers in photodynamic therapy. <i>Current Medicinal Chemistry</i> , 2012 , 19, 4903-12	4.3	35
44	Cytotoxicity and Genotoxicity of Cationic Phosphorus-Containing Dendrimers. <i>Current Medicinal Chemistry</i> , 2012 , 19, 6233-6240	4.3	13
43	Cytotoxicity and genotoxicity of cationic phosphorus-containing dendrimers. <i>Current Medicinal Chemistry</i> , 2012 , 19, 6233-40	4.3	3
42	Interactions of phosphorus-containing dendrimers with liposomes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 221-6	5	38
41	The influence of PAMAM-OH dendrimers on the activity of human erythrocytes ATPases. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 2714-23	3.8	23
40	Mechanism of neuroprotection of melatonin against beta-amyloid neurotoxicity. <i>Neuroscience</i> , 2011 , 180, 229-37	3.9	44
39	In vivo toxicity of poly(propyleneimine) dendrimers. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 99, 261-8	5.4	87
38	Interaction of cationic phosphorus dendrimers (CPD) with charged and neutral lipid membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 82, 8-12	6	40

37	Characterization of complexes formed by polypropylene imine dendrimers and anti-HIV oligonucleotides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 83, 360-6	6	29
36	Influence of surface functionality of poly(propylene imine) dendrimers on protease resistance and propagation of the scrapie prion protein. <i>Biomacromolecules</i> , 2010 , 11, 1314-25	6.9	76
35	Haemolytic activity of polyamidoamine dendrimers and the protective role of human serum albumin. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010 , 466, 1527-1534	2.4	35
34	Time evolution of the aggregation process of peptides involved in neurodegenerative diseases and preventing aggregation effect of phosphorus dendrimers studied by EPR. <i>Biomacromolecules</i> , 2010 , 11, 3014-21	6.9	31
33	Effect of amyloid beta peptides A β 18 and A β 50 on model lipid membranes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 99, 741-747	4.1	26
32	Metabolic limitations of the use of nucleoside analogs in cancer therapy may be overcome by application of nanoparticles as drug carriers: A review. <i>Drug Development Research</i> , 2010 , 71, 383-394	5.1	5
31	New drug delivery nanosystem combining liposomal and dendrimeric technology (liposomal locked-in dendrimers) for cancer therapy. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 3561-71	3.9	43
30	Binding properties of water-soluble carbosilane dendrimers. <i>Journal of Fluorescence</i> , 2009 , 19, 267-75	2.4	19
29	Dendrimers in gene transfection. <i>Biochemistry (Moscow)</i> , 2009 , 74, 1070-9	2.9	44
28	Interactions between dendrimers and heparin and their implications for the anti-prion activity of dendrimers. <i>New Journal of Chemistry</i> , 2009 , 33, 1087	3.6	46
27	The influence of densely organized maltose shells on the biological properties of poly(propylene imine) dendrimers: new effects dependent on hydrogen bonding. <i>Chemistry - A European Journal</i> , 2008 , 14, 7030-41	4.8	124
26	Binding properties of polyamidoamine dendrimers. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 2036-2040	2.4	20
25	EPR study of the interactions between dendrimers and peptides involved in Alzheimer's and prion diseases. <i>Macromolecular Bioscience</i> , 2007 , 7, 1065-74	5.5	71
24	Interactions between PAMAM dendrimers and gallic acid molecules studied by spectrofluorimetric methods. <i>Bioelectrochemistry</i> , 2007 , 70, 50-2	5.6	9
23	Analysis of interaction between dendriplexes and bovine serum albumin. <i>Biomacromolecules</i> , 2007 , 8, 2059-62	6.9	44
22	Influence of phosphorus dendrimers on the aggregation of the prion peptide PrP 185-208. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 364, 20-5	3.4	62
21	Water-soluble carbosilane dendrimers protect phosphorothioate oligonucleotides from binding to serum proteins. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 1886-93	3.9	52
20	Influence of heparin and dendrimers on the aggregation of two amyloid peptides related to Alzheimer's and prion diseases. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 339, 577-82	3.4	98

19	Influence of dendrimer structure on its activity against amyloid fibril formation. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 345, 21-8	3.4	123
18	Dendrimer-protein interactions studied by tryptophan room temperature phosphorescence. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006 , 1764, 1750-6	4	34
17	Cytotoxicity, haematotoxicity and genotoxicity of high molecular mass arborescent polyoxyethylene polymers with polyglycidol-block-containing shells. <i>Cell Biology International</i> , 2006 , 30, 248-52	4.5	28
16	Biological properties of low molecular mass peptide dendrimers. <i>International Journal of Pharmaceutics</i> , 2006 , 309, 208-17	6.5	57
15	DSC studies on interactions between low molecular mass peptide dendrimers and model lipid membranes. <i>International Journal of Pharmaceutics</i> , 2006 , 327, 145-52	6.5	46
14	Effect of dendrimers on pure acetylcholinesterase activity and structure. <i>Bioelectrochemistry</i> , 2006 , 68, 56-9	5.6	41
13	Molecular interactions of dendrimers with amyloid peptides: pH dependence. <i>Biomacromolecules</i> , 2006 , 7, 2186-91	6.9	63
12	Use of a spectrofluorimetric method to monitor changes of human serum albumin thermal stability in the presence of polyamidoamine dendrimers. <i>Journal of Fluorescence</i> , 2006 , 16, 149-52	2.4	15
11	The effect of PAMAM dendrimers on human and bovine serum albumin at different pH and NaCl concentrations. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2005 , 16, 1081-93	3.5	33
10	PAMAM dendrimers and model membranes: differential scanning calorimetry studies. <i>International Journal of Pharmaceutics</i> , 2005 , 305, 154-66	6.5	53
9	Dendrimer interactions with hydrophobic fluorescent probes and human serum albumin. <i>Journal of Fluorescence</i> , 2005 , 15, 21-8	2.4	61
8	Influence of PAMAM dendrimers on human red blood cells. <i>Bioelectrochemistry</i> , 2004 , 63, 189-91	5.6	128
7	Incorporation of fluorescent probes into PAMAM dendrimers. <i>Bioelectrochemistry</i> , 2004 , 63, 193-7	5.6	19
6	The effect of polyamidoamine dendrimers on human erythrocyte membrane acetylcholinesterase activity. <i>Bioelectrochemistry</i> , 2004 , 65, 23-6	5.6	47
5	Estimation of PAMAM Dendrimers Binding Capacity by Fluorescent Probe ANS. <i>Journal of Fluorescence</i> , 2003 , 13, 519-524	2.4	28
4	Interactions between PAMAM dendrimers and bovine serum albumin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003 , 1648, 115-26	4	184
3	Fluorescence studies on PAMAM dendrimers interactions with bovine serum albumin. <i>Bioelectrochemistry</i> , 2002 , 55, 33-5	5.6	242
2	Dendrimers: properties and applications.. <i>Acta Biochimica Polonica</i> , 2001 , 48, 199-208	2	320

1 Dendrimers: properties and applications. *Acta Biochimica Polonica*, **2001**, 48, 199-208

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