

Mariusz Kepczynski

List of Publications by Year in descending order

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75
papers

1,801
citations

236925

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docs citations

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times ranked

2593
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of curcumin with lipid monolayers and liposomal bilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 231-239.	5.0	116
2	Do Liposome-binding Constants of Porphyrins Correlate with Their Measured and Predicted Partitioning Between Octanol and Water? <i>Photochemistry and Photobiology</i> , 2002, 76, 127.	2.5	102
3	Molecular Insight into Drug-Loading Capacity of PEG-PLGA Nanoparticles for Itraconazole. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7080-7090.	2.6	60
4	Which physical and structural factors of liposome carriers control their drug-loading efficiency?. <i>Chemistry and Physics of Lipids</i> , 2008, 155, 7-15.	3.2	53
5	Study of Interaction Between PEG Carrier and Three Relevant Drug Molecules: Piroxicam, Paclitaxel, and Hematoporphyrin. <i>Journal of Physical Chemistry B</i> , 2012, 116, 7334-7341.	2.6	51
6	Polymeric photosensitizers 2. Photosensitized oxidation of phenol in aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 116, 251-256.	3.9	50
7	Rhodamine 6G conjugated to gold nanoparticles as labels for both SERS and fluorescence studies on live endothelial cells. <i>Mikrochimica Acta</i> , 2015, 182, 119-127.	5.0	49
8	PEGylated Liposomes as Carriers of Hydrophobic Porphyrins. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6646-6657.	2.6	47
9	Behavior of the DPH fluorescence probe in membranes perturbed by drugs. <i>Chemistry and Physics of Lipids</i> , 2019, 223, 104784.	3.2	47
10	Pegylated tetraarylporphyrin entrapped in liposomal membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 49, 22-30.	5.0	42
11	Interactions of a Hydrophobically Modified Polycation with Zwitterionic Lipid Membranes. <i>Langmuir</i> , 2012, 28, 676-688.	3.5	42
12	New polymeric photosensitizers. <i>Pure and Applied Chemistry</i> , 2001, 73, 491-495.	1.9	38
13	Interactions of Polyethylenimines with Zwitterionic and Anionic Lipid Membranes. <i>Langmuir</i> , 2016, 32, 5004-5018.	3.5	37
14	Comparison of photodynamic efficacy of tetraarylporphyrin pegylated or encapsulated in liposomes: In vitro studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009, 97, 8-17.	3.8	36
15	Interaction of Hematoporphyrin with Lipid Membranes. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4889-4897.	2.6	36
16	Silicone Nanocapsules Templated Inside the Membranes of Catanionic Vesicles. <i>Langmuir</i> , 2007, 23, 7314-7320.	3.5	35
17	Endothelium in Spots – High-Content Imaging of Lipid Rafts Clusters in db/db Mice. <i>PLoS ONE</i> , 2014, 9, e106065.	2.5	33
18	Molecular Structure of the Dioctadecyldimethylammonium Bromide (DODAB) Bilayer. <i>Langmuir</i> , 2010, 26, 15076-15079.	3.5	32

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19	Biocompatible and fluorescent superparamagnetic iron oxide nanoparticles with superior magnetic properties coated with charged polysaccharide derivatives. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 402-407.	5.0	32
20	Interaction of Dicarboxylic Metalloporphyrins with Liposomes. The Effect of pH on Membrane Binding Revisited. <i>Photochemistry and Photobiology</i> , 2002, 76, 486.	2.5	31
21	Properties of Polyethylene Glycol Supported Tetraarylporphyrin in Aqueous Solution and Its Interaction with Liposomal Membranes. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12231-12239.	2.6	29
22	Effect of Polycation Structure on Interaction with Lipid Membranes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7318-7326.	2.6	27
23	Label-Free Infrared Spectroscopy and Imaging of Single Phospholipid Bilayers with Nanoscale Resolution. <i>Analytical Chemistry</i> , 2018, 90, 10179-10186.	6.5	27
24	Complex Behavior of Phosphatidylcholine-Phosphatidic Acid Bilayers and Monolayers: Effect of Acyl Chain Unsaturation. <i>Langmuir</i> , 2019, 35, 5944-5956.	3.5	27
25	Molecular Mechanism of Polycation-Induced Pore Formation in Biomembranes. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 780-794.	5.2	27
26	Polycation-Anionic Lipid Membrane Interactions. <i>Langmuir</i> , 2020, 36, 12435-12450.	3.5	27
27	Synthesis of strong polycations with improved biological properties. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 721-731.	4.0	26
28	Effect of PEGylation on Drug Entry into Lipid Bilayer. <i>Journal of Physical Chemistry B</i> , 2014, 118, 144-151.	2.6	26
29	Gene delivery efficiency and intracellular trafficking of novel poly(allylamine) derivatives. <i>International Journal of Pharmaceutics</i> , 2015, 478, 372-382.	5.2	24
30	Polymeric Photosensitizers, 5. Synthesis and Photochemical Properties of Poly[(N-isopropylacrylamide)-co-(vinylbenzyl chloride)] Containing Covalently Bound Rose Bengal Chromophores. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 1679-1688.	2.2	23
31	Interactions of serum with polyelectrolyte-stabilized liposomes: Cryo-TEM studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 120, 152-159.	5.0	23
32	Bilayer structures in dioctadecyldimethylammonium bromide/oleic acid dispersions. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 359-367.	3.2	22
33	Nanostructural Hybrid Sensitizers for Photodynamic Therapy. <i>Current Pharmaceutical Design</i> , 2012, 18, 2607-2621.	1.9	22
34	Synthesis, spectroscopic properties and interaction with a liposomal membrane of a novel iodinated magnesium phthalocyanine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 286, 55-63.	3.9	22
35	Stable polymersomes based on ionic-zwitterionic block copolymers modified with superparamagnetic iron oxide nanoparticles for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5523-5531.	5.8	22
36	Multiple excitatory actions of orexins upon thalamo-cortical neurons in dorsal lateral geniculate nucleus - implications for vision modulation by arousal. <i>Scientific Reports</i> , 2017, 7, 7713.	3.3	22

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37	Membrane-Dependent Binding and Entry Mechanism of Dopamine into Its Receptor. ACS Chemical Neuroscience, 2020, 11, 1914-1924.	3.5	21
38	Polymeric photosensitizers, 1. Synthesis and photochemical properties of poly[(sodium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (p Macromolecular Chemistry and Physics, 1995, 196, 2073-2080.	2.2	20
39	Silicone-stabilized liposomes. Colloid and Polymer Science, 2010, 288, 37-45.	2.1	20
40	Effect of Phosphatidic Acid on Biomembrane: Experimental and Molecular Dynamics Simulations Study. Journal of Physical Chemistry B, 2015, 119, 10042-10051.	2.6	20
41	Functionalized lipids and surfactants for specific applications. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2362-2379.	2.6	19
42	Effects of Membrane PEGylation on Entry and Location of Antifungal Drug Itraconazole and Their Pharmacological Implications. Molecular Pharmaceutics, 2017, 14, 1057-1070.	4.6	19
43	Spontaneous Formation of Densely Stacked Multilamellar Vesicles in Dioctadecyldimethylammonium Bromide/Oleosiloxane Mixtures. Langmuir, 2010, 26, 1551-1556.	3.5	18
44	Solâ€“gel synthesis of iron oxideâ€“silica composite microstructures. Journal of Sol-Gel Science and Technology, 2012, 64, 67-77.	2.4	18
45	Encapsulation of Curcumin in Polystyrene-Based Nanoparticlesâ€“Drug Loading Capacity and Cytotoxicity. ACS Omega, 2021, 6, 12168-12178.	3.5	18
46	Effect of piroxicam on lipid membranes: Drug encapsulation and gastric toxicity aspects. European Journal of Pharmaceutical Sciences, 2017, 100, 116-125.	4.0	16
47	Circadian actions of orexins on the retinorecipient lateral geniculate complex in rat. Journal of Physiology, 2021, 599, 231-252.	2.9	16
48	Hybrid Silica-Silicone Nanocapsules Obtained in Catanionic Vesicles. Cryo-TEM Studies. Journal of Nanoscience and Nanotechnology, 2009, 9, 3138-3143.	0.9	15
49	Interactions of Porphyrin Covalently Attached to Poly(methacrylic acid) with Liposomal Membranes. Journal of Physical Chemistry B, 2005, 109, 1289-1294.	2.6	14
50	Polyion complex vesicles (PICsomes) from strong copolyelectrolytes. Stability and in vitro studies. Colloids and Surfaces B: Biointerfaces, 2017, 158, 658-666.	5.0	13
51	Drug-loading capacity of polylactide-based micro- and nanoparticles â€“ Experimental and molecular modeling study. International Journal of Pharmaceutics, 2020, 591, 120031.	5.2	13
52	Rhythmic neuronal activities of the rat nucleus of the solitary tract are impaired by highâ€“fat diet â€“ implications for daily control of satiety. Journal of Physiology, 2022, 600, 751-767.	2.9	13
53	Growth and motility of human skin fibroblasts on multilayer strong polyelectrolyte films. Journal of Colloid and Interface Science, 2016, 461, 305-316.	9.4	12
54	Design and characterization of silicone micromaterials: A systematic study. Materials and Design, 2018, 146, 57-68.	7.0	12

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55	Cholesterol Reduces Partitioning of Antifungal Drug Itraconazole into Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2139-2148.	2.6	12
56	Behavior of 2,6-Bis(decyloxy)naphthalene Inside Lipid Bilayer. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15483-15494.	2.6	11
57	Porphyrinâ€“Nanoclay Photosensitizers for Visible Light Induced Oxidation of Phenol in Aqueous Media. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9196-9202.	3.1	11
58	Effect of polycation nanostructures on cell membrane permeability and toxicity. <i>Environmental Science: Nano</i> , 2022, 9, 702-713.	4.3	11
59	Prominent hypertrophy of perivascular adipocytes due to short-term high fat diet. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166315.	3.8	10
60	Disinhibition of the intergeniculate leaflet network in the WAG/Rij rat model of absence epilepsy. <i>Experimental Neurology</i> , 2017, 289, 103-116.	4.1	9
61	Iodinated zinc phthalocyanine â€“ The novel visible-light activated photosensitizer for efficient generation of singlet oxygen. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 358, 265-273.	3.9	9
62	Polymersome-to-coacervate transformations. <i>European Polymer Journal</i> , 2017, 94, 125-135.	5.4	8
63	Dexamethasone-containing bioactive dressing for possible application in post-operative keloid therapy. <i>Cellulose</i> , 2019, 26, 1895-1908.	4.9	8
64	Fluorescent 1,2,3-triazole derivative of 3â€“deoxy-3-azidothymidine: synthesis and absorption/emission spectra. <i>Heterocyclic Communications</i> , 2015, 21, 263-267.	1.2	7
65	Daily coordination of orexinergic gating in the rat superior colliculusâ€“Implications for intrinsic clock activities in the visual system. <i>FASEB Journal</i> , 2021, 35, e21930.	0.5	7
66	Novel Nanostructural Hybride Materials for Photodynamic Therapy. <i>Macromolecular Symposia</i> , 2009, 279, 132-137.	0.7	6
67	Do Liposome-binding Constants of Porphyrins Correlate with Their Measured and Predicted Partitioning Between Octanol and Water?â€“. <i>Photochemistry and Photobiology</i> , 2007, 76, 127-134.	2.5	5
68	Formation of Strong Polycation (Poly[(3-allylamino-2-hydroxypropyl)trimethylammonium chloride]) Monolayers on Mica, Silica, and Gold Substrates: Modeling and Experimental Studies. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19022-19032.	3.1	5
69	Orexin A depolarises rat intergeniculate leaflet neurons through nonâ€“selective cation channels. <i>European Journal of Neuroscience</i> , 2019, 50, 2683-2693.	2.6	5
70	Rac1 regulates lipid droplets formation, nanomechanical, and nanostructural changes induced by TNF in vascular endothelium in the isolated murine aorta. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	5.4	5
71	Effect of sodium hypochlorite, isopropyl alcohol and chlorhexidine on the epoxy sealant penetration into the dentinal tubules. <i>Advances in Clinical and Experimental Medicine</i> , 2022, 31, 121-127.	1.4	2
72	Interaction of Dicarboxylic Metalloporphyrins with Liposomes. The Effect of pH on Membrane Binding Revisitedâ€“. <i>Photochemistry and Photobiology</i> , 2007, 76, 486-492.	2.5	1

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73	Silicone Nano/Microstructures Obtained in Ionic Polymerization. Macromolecular Symposia, 2011, 308, 43-48.	0.7	1
74	Silica covered porphyrin microstructures obtained in sol-gel processes. Journal of Sol-Gel Science and Technology, 2011, 59, 276-282.	2.4	1
75	The impact of irrigation protocols on epoxy sealer penetration depth in dentinal tubules. Study involving laser confocal microscopy. Australian Endodontic Journal, 2021, , .	1.5	0