Agnieszka Z Wilczewska

List of Publications by Year
in descending order

92 papers	3,282 citations	218592 26 h-index	155592 55 g-index
94 all docs	94 docs citations	94 times ranked	4742 citing authors

#	Article	IF	Citations
1	Hydrolysable tannins change physicochemical parameters of lipid nano-vesicles and reduce DPPH radical - Experimental studies and quantum chemical analysis. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183778.	1.4	14
2	Membrane-active diacylglycerol-terminated thermoresponsive polymers: RAFT synthesis and biocompatibility evaluation. European Polymer Journal, 2022, 169, 111154.	2.6	3
3	Doxorubicin delivery systems with an acetylacetone-based block in cholesterol-terminated copolymers: Diverse activity against estrogen-dependent and estrogen-independent breast cancer cells. Chemistry and Physics of Lipids, 2022, 245, 105194.	1.5	7
4	Amorphous and Crystalline Vanadium Orthophosphate and Oxidized Multiwalled Carbon Nanotube Composites as Anode Materials in Sodiumâ€ion Batteries. ChemElectroChem, 2022, 9, .	1.7	1
5	Magnetic Particles with Polymeric Shells Bearing Cholesterol Moieties Sensitize Breast Cancer Cells to Low Doses of Doxorubicin. International Journal of Molecular Sciences, 2021, 22, 4898.	1.8	7
6	Sialic Acidâ€"Modified Nanoparticlesâ€"New Approaches in the Glioma Managementâ€"Perspective Review. International Journal of Molecular Sciences, 2021, 22, 7494.	1.8	9
7	Current Trends and Challenges in Pharmacoeconomic Aspects of Nanocarriers as Drug Delivery Systems for Cancer Treatment. International Journal of Nanomedicine, 2021, Volume 16, 6593-6644.	3.3	26
8	Effect of oil pomaces on thermal properties of model dough and gluten network studied by thermogravimetry and differential scanning calorimetry. Food Chemistry, 2021, 358, 129882.	4.2	5
9	Multilayer Films Based on Chitosan/Pectin Polyelectrolyte Complexes as Novel Platforms for Buccal Administration of Clotrimazole. Pharmaceutics, 2021, 13, 1588.	2.0	24
10	Synergistic effect of folate-conjugated polymers and 5-fluorouracil in the treatment of colon cancer. Cancer Nanotechnology, 2021, 12, .	1.9	9
11	The influence of selected transition metal ions on the structure, thermal and microbiological properties of pyrazine-2-carboxylic acid. Polyhedron, 2020, 175, 114173.	1.0	8
12	Evaluation of Cytotoxic Effect of Cholesterol End-Capped Poly(N-Isopropylacrylamide)s on Selected Normal and Neoplastic Cells . International Journal of Nanomedicine, 2020, Volume 15, 7263-7278.	3.3	14
13	Polymeric Drug Delivery Systems Bearing Cholesterol Moieties: A Review. Polymers, 2020, 12, 2620.	2.0	16
14	Flavonoids modulate liposomal membrane structure, regulate mitochondrial membrane permeability and prevent erythrocyte oxidative damage. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183442.	1.4	27
15	Antimicrobial and Physicochemical Properties of Artificial Saliva Formulations Supplemented with Core-Shell Magnetic Nanoparticles. International Journal of Molecular Sciences, 2020, 21, 1979.	1.8	11
16	Quantification of Synergistic Effects of Ceragenin CSA-131 Combined with Iron Oxide Magnetic Nanoparticles Against Cancer Cells . International Journal of Nanomedicine, 2020, Volume 15, 4573-4589.	3.3	13
17	Influence of Hydrogen/Fluorine Substitution on Structure, Thermal Phase Transitions, and Internal Molecular Motion of Aromatic Residues in the Crystal Lattice of Steroidal Rotors. Crystal Growth and Design, 2020, 20, 2202-2216.	1.4	8
18	Recombinant Human Plasma Gelsolin Stimulates Phagocytosis while Diminishing Excessive Inflammatory Responses in Mice with Pseudomonas aeruginosa Sepsis. International Journal of Molecular Sciences, 2020, 21, 2551.	1.8	10

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19	FT-Raman and FT-IR studies of the gluten structure as a result of model dough supplementation with chosen oil pomaces. Journal of Cereal Science, 2020, 93, 102961.	1.8	12
20	Susceptibility of microbial cells to the modified PIP2-binding sequence of gelsolin anchored on the surface of magnetic nanoparticles. Journal of Nanobiotechnology, 2019, 17, 81.	4.2	19
21	Could spray-dried microbeads with chitosan glutamate be considered as promising vaginal microbicide carriers? The effect of process variables on the in vitro functional and physicochemical characteristics. International Journal of Pharmaceutics, 2019, 568, 118558.	2.6	8
22	Synthesis of novel galeterone derivatives and evaluation of their inÂvitro activity against prostate cancer cell lines. European Journal of Medicinal Chemistry, 2019, 179, 483-492.	2.6	13
23	Magnetic nanoparticles bearing metallocarbonyl moiety as antibacterial and antifungal agents. Applied Surface Science, 2019, 487, 601-609.	3.1	12
24	Thermal and spectroscopic study of zinc, manganese, copper, cobalt and nickel 2,3-pyrazinedicarboxylate. Polyhedron, 2019, 162, 293-302.	1.0	4
25	Inhibition of inflammatory response in human keratinocytes by magnetic nanoparticles functionalized with PBP10 peptide derived from the PIP2-binding site of human plasma gelsolin. Journal of Nanobiotechnology, 2019, 17, 22.	4.2	25
26	Carbamohydrazonothioate-based polymer-magnetic nanohybrids: Fabrication, characterization and bactericidal properties. Arabian Journal of Chemistry, 2019, 12, 5187-5199.	2.3	5
27	Spectroscopic (IR, Raman, NMR), thermal and theoretical (DFT) study of alkali metal dipicolinates (2,6) and quinolinates (2,3). Arabian Journal of Chemistry, 2019, 12, 4414-4426.	2.3	5
28	NHC-copper complexes immobilized on magnetic nanoparticles: Synthesis and catalytic activity in the CuAAC reactions. Journal of Catalysis, 2018, 362, 46-54.	3.1	21
29	Green in water sonochemical synthesis of tetrazolopyrimidine derivatives by a novel core-shell magnetic nanostructure catalyst. Ultrasonics Sonochemistry, 2018, 43, 262-271.	3.8	89
30	Spectroscopic (IR, Raman, UVâ€“Vis) study and thermal analysis of 3d-metal complexes with 4-imidazolecarboxylic acid. Journal of Thermal Analysis and Calorimetry, 2018, 134, 513-525.	2.0	25
31	Lanthanide complexes with pyridinecarboxylic acids â€“ Spectroscopic and thermal studies. Polyhedron, 2018, 150, 97-109.	1.0	10
32	Bactericidal and immunomodulatory properties of magnetic nanoparticles functionalized by 1,4-dihydropyridines. International Journal of Nanomedicine, 2018, Volume 13, 3411-3424.	3.3	17
33	Aggregation of gluten proteins in model dough after fibre polysaccharide addition. Food Chemistry, 2017, 231, 51-60.	4.2	89
34	Effect of dietary fibre polysaccharides on structure and thermal properties of gluten proteins â€“ A study on gluten dough with application of FT-Raman spectroscopy, TGA and DSC. Food Hydrocolloids, 2017, 69, 410-421.	5.6	122
35	Carbamohydrazonothioate derivativeâ€”experimental and theoretical explorations of the crystal and molecular structure. Structural Chemistry, 2017, 28, 801-812.	1.0	1
36	Use of magnetic nanoparticles as a drug delivery system to improve chlorhexidine antimicrobial activity. International Journal of Nanomedicine, 2017, Volume 12, 7833-7846.	3.3	48

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37	Pharmacokinetics and Anticancer Activity of Folic Acid-Functionalized Magnetic Nanoparticles. Journal of Biomedical Nanotechnology, 2017, 13, 665-677.	0.5	10
38	Core–shell magnetic nanoparticles display synergistic antibacterial effects against Pseudomonas aeruginosa and Staphylococcus aureus when combined with cathelicidin LL-37 or selected ceragenins. International Journal of Nanomedicine, 2016, Volume 11, 5443-5455.	3.3	63
39	Advantages of poly(vinyl phosphonic acid)-based double hydrophilic block copolymers for the stabilization of iron oxide nanoparticles. Polymer Chemistry, 2016, 7, 6391-6399.	1.9	35
40	Magnetic nanoparticles with chelating shells prepared by RAFT/MADIX polymerization. New Journal of Chemistry, 2016, 40, 9223-9231.	1.4	11
41	Thermal, spectroscopic (IR, Raman, NMR) and theoretical (DFT) studies of alkali metal complexes with pyrazinecarboxylate and 2,3-pyrazinedicarboxylate ligands. Journal of Thermal Analysis and Calorimetry, 2016, 126, 205-224.	2.0	17
42	Magnetic nanoparticles as a drug delivery system that enhance fungicidal activity of polyene antibiotics. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2395-2404.	1.7	61
43	Synthesis, Structure, and Local Molecular Dynamics for Crystalline Rotors Based on Hecogenin/Botogenin Steroidal Frameworks. Crystal Growth and Design, 2016, 16, 5698-5709.	1.4	12
44	Solid State Characterization of Bridged Steroidal Molecular Rotors: Effect of the Rotator Fluorination on Their Crystallization. Crystal Growth and Design, 2016, 16, 1599-1605.	1.4	11
45	Dietary Fiber-Induced Changes in the Structure and Thermal Properties of Gluten Proteins Studied by Fourier Transform-Raman Spectroscopy and Thermogravimetry. Journal of Agricultural and Food Chemistry, 2016, 64, 2094-2104.	2.4	63
46	PREPARATION AND CHARACTERIZATION OF ORALLY DISINTEGRATING LORATADINE TABLETS MANUFACTURED WITH CO-PROCESSED MIXTURES. Acta Poloniae Pharmaceutica, 2016, 73, 453-60.	0.3	3
47	New acetylacetone-polymer modified nanoparticles as magnetically separable complexing agents. RSC Advances, 2015, 5, 100281-100289.	1.7	13
48	Bactericidal activity and biocompatibility of ceragenin-coated magnetic nanoparticles. Journal of Nanobiotechnology, 2015, 13, 32.	4.2	75
49	Magnetic nanoparticles enhance the anticancer activity of cathelicidin LL-37 peptide against colon cancer cells. International Journal of Nanomedicine, 2015, 10, 3843.	3.3	60
50	Polymeric pâ€“n Nanojunctions: Formation and Electrochemical Properties of C₆₀â€Pd@Polypyrrole Coreâ€“Shell Nanoparticles. ChemElectroChem, 2015, 2, 253-262.	1.7	6
51	Growth arrest and rapid capture of select pathogens following magnetic nanoparticle treatment. Colloids and Surfaces B: Biointerfaces, 2015, 131, 29-38.	2.5	29
52	Gold-functionalized magnetic nanoparticles restrict growth of Pseudomonas aeruginosa. International Journal of Nanomedicine, 2014, 9, 2217.	3.3	38
53	Direct Synthesis of Imidazolinium Salt on Magnetic Nanoparticles and Its Palladium Complex Application in the Heck Reaction. Organometallics, 2014, 33, 5203-5208.	1.1	39
54	Ring-opening reactions of epoxidized SWCNT with nucleophilic agents: a convenient way for sidewall functionalization. New Journal of Chemistry, 2014, 38, 2670.	1.4	6

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55	Surfaceâ€Initiated RAFT/MADIX Polymerization on Xanthateâ€Coated Iron Oxide Nanoparticles. Macromolecular Chemistry and Physics, 2014, 215, 190-197.	1.1	23
56	Fabrication of multifunctional magnetic nanoparticles bearing metallocarbonyl probes and antibodies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 457, 142-151.	2.3	6
57	STMâ€Based Molecular Junction of Carbon Nanoâ€Onion. ChemPhysChem, 2013, 14, 96-100.	1.0	37
58	Evaluation of ion imprinted polymers for the solid phase extraction and electrothermal atomic absorption spectrometric determination of palladium in environmental samples. International Journal of Environmental Analytical Chemistry, 2013, 93, 483-498.	1.8	11
59	A novel ion imprinted polymer as a highly selective sorbent for separation of ruthenium ions from environmental samples. Analytical Methods, 2013, 5, 3096.	1.3	19
60	Magnetic nanoparticles as new diagnostic tools in medicine. Advances in Medical Sciences, 2012, 57, 196-207.	0.9	99
61	Nanoparticles as drug delivery systems. Pharmacological Reports, 2012, 64, 1020-1037.	1.5	1,001
62	Separation of ruthenium from environmental samples on polymeric sorbent based on imprinted Ru(III)-allyl acetoacetate complex. Talanta, 2012, 89, 352-359.	2.9	31
63	A cross-metathesis approach to the synthesis of new etretinate type retinoids, ethyl retinoate and its 9Z-isomer. Tetrahedron Letters, 2012, 53, 5430-5433.	0.7	8
64	Separation and preconcentration of trace amounts of Cr(III) ions on ion imprinted polymer for atomic absorption determinations in surface water and sewage samples. Microchemical Journal, 2012, 105, 88-93.	2.3	39
65	Studies of ion-imprinted polymers for solid-phase extraction of ruthenium from environmental samples before its determination by electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2011, 66, 508-516.	1.5	37
66	The synthesis and characterization of carbon nano-onions produced by solution ozonolysis. Carbon, 2011, 49, 5079-5089.	5.4	63
67	Synthesis and Biological Activity of 22-Deoxo-23-oxa Analogues of Saponin OSW-1. Journal of Medicinal Chemistry, 2011, 54, 3298-3305.	2.9	24
68	Selective solid phase extraction of platinum on an ion imprinted polymers for its electrothermal atomic absorption spectrometric determination in environmental samples. Mikrochimica Acta, 2011, 175, 273-282.	2.5	32
69	Oxidation of steroidal diols and triols with air/NaH. Monatshefte FÃ¼r Chemie, 2011, 142, 59-65.	0.9	1
70	Cross metathesis approach to retinoids and other Î²-apocarotenoids. Tetrahedron, 2011, 67, 6868-6875.	1.0	10
71	Cross metathesis of Î²-carotene with electron-deficient dienes. A direct route to retinoids. Tetrahedron Letters, 2009, 50, 4734-4737.	0.7	13
72	Comparison of Volatile Constituents ofAcorus calamusandAsarum europaeumObtained by Different Techniques. Journal of Essential Oil Research, 2008, 20, 390-395.	1.3	11

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73	Unusual electrochemical oxidation of cholesterol. Steroids, 2008, 73, 543-548.	0.8	19
74	Decomposition of Î±-Tocopheryl Glycosides in Rat Tissues. Toxicology Mechanisms and Methods, 2008, 18, 491-496.	1.3	1
75	GC-MS Analysis of Î²-Carotene Ethenolysis Products and their Synthesis as Potentially Active Vitamin A Analogues. Toxicology Mechanisms and Methods, 2008, 18, 469-471.	1.3	16
76	New Analogues of the Potent Cytotoxic Saponin OSW-1. Journal of Medicinal Chemistry, 2007, 50, 3667-3673.	2.9	45
77	Various Strategies for the Chemical Transformation of Xanthate-Functional Chain Termini in MADIX Copolymers. ACS Symposium Series, 2006, , 564-577.	0.5	30
78	Direct electrochemical acetoxylation of cholesterol at the allylic position. Journal of Electroanalytical Chemistry, 2005, 585, 275-280.	1.9	31
79	The cleavage of vitamin E galactoside in the rat tissue homogenates. Il Farmaco, 2004, 59, 669-671.	0.9	5
80	13C-NMR study of 4-azasteroids in solution and solid state. Steroids, 2002, 67, 621-626.	0.8	23
81	Macromolecular Design via the Interchange of Xanthates (MADIX): Polymerization of Styrene with O-Ethyl Xanthates as Controlling Agents. Macromolecular Chemistry and Physics, 2002, 203, 2281-2289.	1.1	123
82	Direct Synthesis of Double Hydrophilic Statistical Di- and Triblock Copolymers Comprised of Acrylamide and Acrylic Acid Units via the MADIX Process. Macromolecular Rapid Communications, 2001, 22, 1497.	2.0	158
83	A practical process for polymer-supported synthesis. Tetrahedron Letters, 2000, 41, 5673-5677.	0.7	15
84	Study of Hydrogen Bonding in Nitro Enamides. Journal of Chemical Research Synopses, 1998, , 170-171.	0.3	3
85	Electrophilic reactions of 4-methyl-A-homo-4-azacholest-4a-en-3-one. Tetrahedron, 1997, 53, 10565-10578.	1.0	4
86	Nitration of N-acetyl enamines with acetyl nitrate. Tetrahedron, 1997, 53, 16161-16168.	1.0	9
87	Reactions of 4-azacholest-5-en-3-one, 6-azacholest-4-en-7-one, and their N-methyl derivatives with electrophilic reagents. Tetrahedron, 1996, 52, 14057-14068.	1.0	8
88	On reaction of enamides with acetyl nitrate. Tetrahedron Letters, 1996, 37, 2079-2082.	0.7	10
89	Synthesis of 4,17-diazasteroid inhibitors of human 5Î±-reductase. Bioorganic and Medicinal Chemistry, 1996, 4, 1209-1215.	1.4	20
90	Unusual oxidation reactions of 7Î±-methyl- and 7Î±-phenylcholest-5-ene-3Î²,7Î²-diol. Monatshefte FÃ¼r Chemie, 1996, 127, 1283-1289.	0.9	0

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91	Stereoselective Reduction of the Double Bond in D5-3-Oxo-4-azasteroids. Heterocycles, 1995, 41, 2729.	0.4	8
92	Carbon Nanotube-Based Ion Imprinted Polymers: Formation, Characterization and Electrochemical Properties. , 0, , .		0