

# Katarzyna Winnicka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2880399/publications.pdf>

Version: 2024-02-01

74  
papers

2,968  
citations

172457

29  
h-index

175258

52  
g-index

75  
all docs

75  
docs citations

75  
times ranked

4428  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of Chitosanâ€”A Challenge for Pharmaceutical and Biomedical Applications. <i>Marine Drugs</i> , 2015, 13, 1819-1846.	4.6	592
2	Alginate: Current Use and Future Perspectives in Pharmaceutical and Biomedical Applications. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-17.	2.7	344
3	Inhibition of DNA Topoisomerases I and II, and Growth Inhibition of Breast Cancer MCF-7 Cells by Ouabain, Digoxin and Proscillaridin A. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1493-1497.	1.4	109
4	Possibilities of Fucoidan Utilization in the Development of Pharmaceutical Dosage Forms. <i>Marine Drugs</i> , 2019, 17, 458.	4.6	106
5	Ethylcelluloseâ€”A Pharmaceutical Excipient with Multidirectional Application in Drug Dosage Forms Development. <i>Materials</i> , 2019, 12, 3386.	2.9	105
6	Nanostructured lipid carriers: A potential use for skin drug delivery systems. <i>Pharmacological Reports</i> , 2019, 71, 156-166.	3.3	83
7	Development and Evaluation of Liquid and Solid Self-Emulsifying Drug Delivery Systems for Atorvastatin. <i>Molecules</i> , 2015, 20, 21010-21022.	3.8	76
8	Antiproliferative Activity of Derivatives of Ouabain, Digoxin and Proscillaridin A in Human MCF-7 and MDA-MB-231 Breast Cancer Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 1131-1140.	1.4	72
9	Hydrogel of Ketoconazole and PAMAM Dendrimers: Formulation and Antifungal Activity. <i>Molecules</i> , 2012, 17, 4612-4624.	3.8	65
10	Multifunctional Tannic Acid/Silver Nanoparticle-Based Mucoadhesive Hydrogel for Improved Local Treatment of HSV Infection: In Vitro and In Vivo Studies. <i>International Journal of Molecular Sciences</i> , 2018, 19, 387.	4.1	61
11	The Effect of PAMAM Dendrimers on the Antibacterial Activity of Antibiotics with Different Water Solubility. <i>Molecules</i> , 2013, 18, 8607-8617.	3.8	56
12	Application of standard cell cultures and 3D in vitro tissue models as an effective tool in drug design and development. <i>Pharmacological Reports</i> , 2017, 69, 861-870.	3.3	52
13	Challenges in developing of chitosan â€” Based polyelectrolyte complexes as a platform for mucosal and skin drug delivery. <i>European Polymer Journal</i> , 2020, 140, 110020.	5.4	49
14	Apoptosis-mediated cytotoxicity of ouabain, digoxin and proscillaridin A in the estrogen independent MDA-MB-231 breast cancer cells. <i>Archives of Pharmacal Research</i> , 2007, 30, 1216-1224.	6.3	46
15	Poly(amidoamine) Dendrimers Increase Antifungal Activity of Clotrimazole. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1129-1133.	1.4	46
16	Cardiac glycosides in cancer research and cancer therapy. <i>Acta Poloniae Pharmaceutica</i> , 2006, 63, 109-15.	0.1	46
17	Dual effects of ouabain, digoxin and proscillaridin A on the regulation of apoptosis in human fibroblasts. <i>Natural Product Research</i> , 2010, 24, 274-285.	1.8	44
18	Calcium Chloride Modified Alginate Microparticles Formulated by the Spray Drying Process: A Strategy to Prolong the Release of Freely Soluble Drugs. <i>Materials</i> , 2018, 11, 1522.	2.9	44

#	ARTICLE	IF	CITATIONS
19	Vaginal Chitosan Tablets with Clotrimazole – Design and Evaluation of Mucoadhesive Properties Using Porcine Vaginal Mucosa, Mucin and Gelatine. <i>Chemical and Pharmaceutical Bulletin</i> , 2014, 62, 160-167.	1.3	42
20	In vivo anti-inflammatory and anti-allergic activities of cynaroside evaluated by using hydrogel formulations. <i>Biomedicine and Pharmacotherapy</i> , 2020, 121, 109681.	5.6	38
21	Freeze-Drying Technique for Microencapsulation of <i>Elsholtzia ciliata</i> Ethanolic Extract Using Different Coating Materials. <i>Molecules</i> , 2020, 25, 2237.	3.8	38
22	Different Types of Gel Carriers as Metronidazole Delivery Systems to the Oral Mucosa. <i>Polymers</i> , 2020, 12, 680.	4.5	38
23	How to Modify Drug Release in Paediatric Dosage Forms? Novel Technologies and Modern Approaches with Regard to Children’s Population. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3200.	4.1	36
24	Alginate Oligosaccharides Affect Mechanical Properties and Antifungal Activity of Alginate Buccal Films with Posaconazole. <i>Marine Drugs</i> , 2019, 17, 692.	4.6	36
25	Piracetam – an old drug with novel properties?. <i>Acta Poloniae Pharmaceutica</i> , 2005, 62, 405-9.	0.1	34
26	The Effect of Generation 2 and 3 Poly(amidoamine) Dendrimers on Viability of Human Breast Cancer Cells. <i>Journal of Health Science</i> , 2009, 55, 169-177.	0.9	33
27	The Effect of $\beta$ -Glycerophosphate Crosslinking on Chitosan Cytotoxicity and Properties of Hydrogels for Vaginal Application. <i>Polymers</i> , 2015, 7, 2223-2244.	4.5	33
28	How to assess orodispersible film quality? A review of applied methods and their modifications. <i>Acta Pharmaceutica</i> , 2019, 69, 155-176.	2.0	32
29	Taste-masking assessment of orally disintegrating tablets and lyophilisates with cetirizine dihydrochloride microparticles. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 1144-1150.	2.7	30
30	Tasting cetirizine-based microspheres with an electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1190-1198.	7.8	29
31	The Influence of Chitosan Cross-linking on the Properties of Alginate Microparticles with Metformin Hydrochloride – In Vitro and In Vivo Evaluation. <i>Molecules</i> , 2017, 22, 182.	3.8	29
32	Evaluation of cationic polyamidoamine dendrimers’ dermal toxicity in the rat skin model. <i>Drug Design, Development and Therapy</i> , 2015, 9, 1367.	4.3	27
33	The Effect of Cationic Polyamidoamine Dendrimers on Physicochemical Characteristics of Hydrogels with Erythromycin. <i>International Journal of Molecular Sciences</i> , 2015, 16, 20277-20289.	4.1	25
34	Development, characterisation and nasal deposition of melatonin-loaded pectin/hypromellose microspheres. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 141, 105115.	4.0	24
35	Multilayer Films Based on Chitosan/Pectin Polyelectrolyte Complexes as Novel Platforms for Buccal Administration of Clotrimazole. <i>Pharmaceutics</i> , 2021, 13, 1588.	4.5	24
36	Synthesis and cytotoxic activity of G3 PAMAM-NH <sub>2</sub> dendrimer-modified digoxin and proscillaridin A conjugates in breast cancer cells. <i>Pharmacological Reports</i> , 2010, 62, 414-423.	3.3	23

#	ARTICLE	IF	CITATIONS
37	Spray-dried nanoparticle-loaded pectin microspheres for dexamethasone nasal delivery. <i>Drying Technology</i> , 2019, 37, 1915-1925.	3.1	22
38	Alginate microspheres obtained by the spray drying technique as mucoadhesive carriers of ranitidine. <i>Acta Pharmaceutica</i> , 2015, 65, 15-27.	2.0	21
39	Novel Gel Formulations as Topical Carriers for the Essential Oil of <i>Bidens tripartita</i> for the Treatment of Candidiasis. <i>Molecules</i> , 2018, 23, 2517.	3.8	21
40	Influence of Unmodified and $\beta$ -Glycerophosphate Cross-Linked Chitosan on Anti-Candida Activity of Clotrimazole in Semi-Solid Delivery Systems. <i>International Journal of Molecular Sciences</i> , 2014, 15, 17765-17777.	4.1	18
41	Influence of Sodium Alginate on Hypoglycemic Activity of Metformin Hydrochloride in the Microspheres Obtained by the Spray Drying. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-12.	2.7	17
42	Utilization of Ethylcellulose Microparticles with Rupaadine Fumarate in Designing Orodispersible Minitablets with Taste Masking Effect. <i>Materials</i> , 2020, 13, 2715.	2.9	17
43	Mucoadhesive Chitosan Delivery System with <i>Chelidonium Herba</i> Lyophilized Extract as a Promising Strategy for Vaginitis Treatment. <i>Journal of Clinical Medicine</i> , 2020, 9, 1208.	2.4	17
44	Tragacanth Gum/Chitosan Polyelectrolyte Complexes-Based Hydrogels Enriched with Xanthan Gum as Promising Materials for Buccal Application. <i>Materials</i> , 2021, 14, 86.	2.9	17
45	Characterization and taste masking evaluation of microparticles with cetirizine dihydrochloride and methacrylate-based copolymer obtained by spray drying. <i>Acta Pharmaceutica</i> , 2017, 67, 113-124.	2.0	16
46	Buccal Resveratrol Delivery System as a Potential New Concept for the Periodontitis Treatment. <i>Pharmaceutics</i> , 2021, 13, 417.	4.5	16
47	“Success Depends on Your Backbone” About the Use of Polymers as Essential Materials Forming Orodispersible Films. <i>Materials</i> , 2021, 14, 4872.	2.9	16
48	Ethylcellulose in Organic Solution or Aqueous Dispersion Form in Designing Taste-Masked Microparticles by the Spray Drying Technique with a Model Bitter Drug: Rupaadine Fumarate. <i>Polymers</i> , 2019, 11, 522.	4.5	14
49	Nanostructured Lipid Carriers Engineered as Topical Delivery of Etodolac: Optimization and Cytotoxicity Studies. <i>Materials</i> , 2021, 14, 596.	2.9	14
50	The genetic characterization of an isolated remnant population of an endangered rodent ( <i>Cricetus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 759-775.	1.5	12
51	The Influence of Tea Tree Oil on Antifungal Activity and Pharmaceutical Characteristics of Pluronic® F-127 Gel Formulations with Ketoconazole. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11326.	4.1	12
52	Polymers in pharmaceutical taste masking applications. <i>Polimery</i> , 2017, 62, 419-427.	0.7	11
53	Cyclodextrin as Functional Carrier in Development of Mucoadhesive Tablets Containing Polygoni cuspidati Extract with Potential for Dental Applications. <i>Pharmaceutics</i> , 2021, 13, 1916.	4.5	11
54	Novel Spray Dried Glycerol 2-Phosphate Cross-Linked Chitosan Microparticulate Vaginal Delivery System—Development, Characterization and Cytotoxicity Studies. <i>Marine Drugs</i> , 2016, 14, 174.	4.6	10

#	ARTICLE	IF	CITATIONS
55	The Impact of Gelatin on the Pharmaceutical Characteristics of Fucoïdan Microspheres with Posaconazole. <i>Materials</i> , 2021, 14, 4087.	2.9	10
56	Development and Evaluation of Thermosensitive Hydrogels with Binary Mixture of <i>Scutellariae baicalensis radix</i> Extract and Chitosan for Periodontal Diseases Treatment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11319.	4.1	10
57	Preparation and in vitro evaluation of chitosan microgranules with clotrimazole. <i>Acta Poloniae Pharmaceutica</i> , 2012, 69, 509-13.	0.1	10
58	Chitosan-Enriched Solution Blow Spun Poly(Ethylene Oxide) Nanofibers with Poly(Dimethylsiloxane) Hydrophobic Outer Layer for Skin Healing and Regeneration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5135.	4.1	10
59	Orodispersible Films with Rupatadine Fumarate Enclosed in Ethylcellulose Microparticles as Drug Delivery Platform with Taste-Masking Effect. <i>Materials</i> , 2022, 15, 2126.	2.9	9
60	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. <i>International Journal of Pharmaceutics</i> , 2019, 568, 118558.	5.2	8
61	The effect of PAMAM dendrimers with amine or hydroxyl terminal groups on the bioadhesive properties of hydrogels with clotrimazole. <i>Polimery</i> , 2016, 61, 322-326.	0.7	7
62	Potential of mucoadhesive chitosan glutamate microparticles as microbicide carriers – antiherpes activity and penetration behavior across the human vaginal epithelium. <i>Drug Delivery</i> , 2021, 28, 2278-2288.	5.7	7
63	The Potential of Polyelectrolyte Multilayer Films as Drug Delivery Materials. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3496.	4.1	7
64	Does the Freeze-Thaw Technique Affect the Properties of the Alginate/Chitosan Glutamate Gels with Posaconazole as a Model Antifungal Drug?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6775.	4.1	7
65	Comparison of Rheological, Drug Release, and Mucoadhesive Characteristics upon Storage between Hydrogels with Unmodified or Beta-Glycerophosphate-Crosslinked Chitosan. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-12.	2.7	6
66	Application of differential scanning calorimetry in evaluation of solid state interactions in tablets containing acetaminophen. <i>Acta Poloniae Pharmaceutica</i> , 2013, 70, 787-93.	0.1	6
67	Hydrogel Containing an Extract of <i>Tormentillae Rhizoma</i> for the Treatment of Biofilm-Related Oral Diseases. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	5
68	The Correlation between Physical Crosslinking and Water-Soluble Drug Release from Chitosan-Based Microparticles. <i>Pharmaceutics</i> , 2020, 12, 455.	4.5	5
69	Oxythiamine improves antifungal activity of ketoconazole evaluated in canine <i>Malassezia pachydermatis</i> strains. <i>Veterinary Dermatology</i> , 2018, 29, 476.	1.2	4
70	EVALUATION OF ALGINATE MICROSPHERES WITH METRONIDAZOLE OBTAINED BY THE SPRAY DRYING TECHNIQUE. <i>Acta Poloniae Pharmaceutica</i> , 2015, 72, 569-78.	0.1	4
71	Genetic diversity and extinction risk in a small, declining Polish common hamster ( <i>Cricetus cricetus</i> ) population. <i>Mammalian Biology</i> , 2016, 81, 612-622.	1.5	2
72	Preparation of ciprofloxacin-encapsulated poly- $\epsilon$ -caprolactone microcapsules by the solvent evaporation technique. <i>E-Polymers</i> , 2013, 13, .	3.0	1

#	ARTICLE	IF	CITATIONS
73	PST 2238 as an antihypertensive compound that antagonizes the effect of endogenous cardiac glycosides. <i>Acta Poloniae Pharmaceutica</i> , 2005, 62, 75-9.	0.1	1
74	Inhibition of DNA topoisomerases I and II by G3 PAMAM-NH <sub>2</sub> dendrimer-modified digoxin and proscillaridin A conjugates in a cell free system. <i>Acta Poloniae Pharmaceutica</i> , 2010, 67, 630-4.	0.1	0