

# Rania M Hathout

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

3,830  
citations

108046

37  
h-index

145109

60  
g-index

84  
all docs

84  
docs citations

84  
times ranked

4423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Drugs-PLGA Nanoparticles Interactions Using Gaussian Processes: Pharmaceutics Informatics Approach. Journal of Cluster Science, 2022, 33, 2031-2036.	1.7	7
2	Breaking the challenge of polyherbal quality control using UV and HPLC fingerprints combined with multivariate analysis. Phytochemical Analysis, 2022, 33, 320-330.	1.2	1
3	Do Polymeric Nanoparticles Really Enhance the Bioavailability of Oral Drugs? A Quantitative Answer Using Meta-Analysis. Gels, 2022, 8, 119.	2.1	4
4	A holistic review on zein nanoparticles and their use in phytochemicals delivery. Journal of Drug Delivery Science and Technology, 2022, 73, 103460.	1.4	8
5	Teaching Principles of DoE as an Element of QbD for Pharmacy Students. , 2022, , 129-151.		1
6	Computer-Aided Formulation Development. , 2022, , 73-98.		4
7	Pharmaceutics Informatics: Bio/Chemoinformatics in Drug Delivery. , 2022, , 705-724.		1
8	Sesamol Loaded Albumin Nanoparticles: A Boosted Protective Property in Animal Models of Oxidative Stress. Pharmaceuticals, 2022, 15, 733.	1.7	6
9	Multi-purpose zein nanoparticles for battling hepatocellular carcinoma: A Green approach. European Polymer Journal, 2022, 176, 111396.	2.6	9
10	Can the Docking Experiments Select the Optimum Natural Bio-macromolecule for Doxorubicin Delivery?. Journal of Cluster Science, 2021, 32, 1747-1751.	1.7	7
11	Attempts to enhance the anti-cancer activity of curcumin as a magical oncological agent using transdermal delivery. Advances in Traditional Medicine, 2021, 21, 15-29.	1.0	9
12	Glaucoma: Management and Future Perspectives for Nanotechnology-Based Treatment Modalities. European Journal of Pharmaceutical Sciences, 2021, 158, 105648.	1.9	22
13	Augmented cytotoxicity using the physical adsorption of Poloxamer 188 on allicin-loaded gelatin nanoparticles. Journal of Pharmacy and Pharmacology, 2021, 73, 664-672.	1.2	11
14	Potential for Chemistry in Multidisciplinary, Interdisciplinary, and Transdisciplinary Teaching Activities in Higher Education. Journal of Chemical Education, 2021, 98, 1124-1145.	1.1	26
15	Evolution of the Computational Pharmaceutics Approaches in the Modeling and Prediction of Drug Payload in Lipid and Polymeric Nanocarriers. Pharmaceuticals, 2021, 14, 645.	1.7	9
16	Enhanced anti-bacterial effect of kojic acid using gelatinized core liposomes: A potential approach to combat antibiotic resistance. Journal of Drug Delivery Science and Technology, 2021, 64, 102625.	1.4	8
17	Synchronizing <i>In Silico</i> , <i>In Vitro</i> , and <i>In Vivo</i> Studies for the Successful Nose to Brain Delivery of an Anticancer Molecule. Molecular Pharmaceutics, 2021, 18, 3763-3776.	2.3	20
18	Machine learning methods in drug delivery. , 2021, , 361-380.		5

#	ARTICLE	IF	CITATIONS
19	Pharmaceutical manipulation of citrus flavonoids towards improvement of its bioavailability and stability. A mini review and a meta-analysis study. <i>Food Bioscience</i> , 2021, 44, 101428.	2.0	11
20	Uniting Electroceutical and Cosmeceutical Interventions in Combating Coronavirus Using $\alpha$ -Poly-L-Lysine. <i>Scientia Pharmaceutica</i> , 2021, 89, 2.	0.7	2
21	Elaborated survey in the scope of nanocarriers engineering for boosting chemotherapy cytotoxicity: A meta-analysis study. <i>International Journal of Pharmaceutics</i> , 2021, 610, 121268.	2.6	3
22	Chloroquine and hydroxychloroquine for combating COVID-19: Investigating efficacy and hypothesizing new formulations using Bio/chemoinformatics tools. <i>Informatics in Medicine Unlocked</i> , 2020, 21, 100446.	1.9	21
23	Enhancement of oral bioavailability of drugs using lipid-based carriers: a meta-analysis study. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 2105-2110.	0.9	9
24	Electroresponsive Silk-Based Biohybrid Composites for Electrochemically Controlled Growth Factor Delivery. <i>Pharmaceutics</i> , 2020, 12, 742.	2.0	23
25	Positively Charged Electroceutical Spun Chitosan Nanofibers Can Protect Health Care Providers From COVID-19 Infection: An Opinion. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 885.	2.0	32
26	Comparing cefotaxime and ceftriaxone in combating meningitis through nose-to-brain delivery using bio/chemoinformatics tools. <i>Scientific Reports</i> , 2020, 10, 21250.	1.6	18
27	Prediction of Drug Loading in the Gelatin Matrix Using Computational Methods. <i>ACS Omega</i> , 2020, 5, 1549-1556.	1.6	29
28	A potential breast cancer dual therapy using phytochemicals-loaded nanoscale penetration enhancing vesicles: A double impact weapon in the arsenal. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101663.	1.4	8
29	&lt;p&gt;One-Step Synthesis of Polypyrrole-Coated Gold Nanoparticles for Use as a Photothermally Active Nano-System&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2605-2615.	3.3	25
30	Enhanced Allicin Cytotoxicity on HEPG-2 Cells Using Glycyrrhetic Acid Surface-Decorated Gelatin Nanoparticles. <i>ACS Omega</i> , 2019, 4, 11293-11300.	1.6	49
31	Formulation of Antimicrobial Tobramycin Loaded PLGA Nanoparticles via Complexation with AOT. <i>Journal of Functional Biomaterials</i> , 2019, 10, 26.	1.8	43
32	Gelatin Nanoparticles. <i>Methods in Molecular Biology</i> , 2019, 2000, 71-78.	0.4	37
33	Exploiting gelatin nanocarriers in the pulmonary delivery of methotrexate for lung cancer therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 133, 115-126.	1.9	67
34	Synthesis of CdS-modified chitosan quantum dots for the drug delivery of Sesamol. <i>Carbohydrate Polymers</i> , 2019, 214, 90-99.	5.1	115
35	Particulate Systems in the Enhancement of the Antiglaucomatous Drug Pharmacodynamics: A Meta-Analysis Study. <i>ACS Omega</i> , 2019, 4, 21909-21913.	1.6	15
36	Gelatinized core liposomes: A new Trojan horse for the development of a novel timolol maleate glaucoma medication. <i>International Journal of Pharmaceutics</i> , 2019, 556, 192-199.	2.6	50

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37	Alzheimer's disease and its current treatments; Is there a possibility for a cure?. Open Journal of Chemistry, 2019, 5, 013-019.	0.3	3
38	Curcumin-loaded ultradeformable nanovesicles as a potential delivery system for breast cancer therapy. Colloids and Surfaces B: Biointerfaces, 2018, 167, 63-72.	2.5	69
39	Characterization and optimization of phenolics extracts from Acacia species in relevance to their anti-inflammatory activity. Biochemical Systematics and Ecology, 2018, 78, 21-30.	0.6	27
40	Exploring gelatin nanoparticles as novel nanocarriers for Timolol Maleate: Augmented in-vivo efficacy and safe histological profile. International Journal of Pharmaceutics, 2018, 545, 229-239.	2.6	62
41	Curcumin or bisdemethoxycurcumin for nose-to-brain treatment of Alzheimer disease? A bio/chemo-informatics case study. Natural Product Research, 2018, 32, 2873-2881.	1.0	43
42	Tracking the transdermal penetration pathways of optimized curcumin-loaded chitosan nanoparticles via confocal laser scanning microscopy. International Journal of Biological Macromolecules, 2018, 108, 753-764.	3.6	94
43	Polyphenols LC-MS2 profile of Ajwa date fruit (Phoenix dactylifera L.) and their microemulsion: Potential impact on hepatic fibrosis. Journal of Functional Foods, 2018, 49, 401-411.	1.6	21
44	Dual stimuli-responsive polypyrrole nanoparticles for anticancer therapy. Journal of Drug Delivery Science and Technology, 2018, 47, 176-180.	1.4	28
45	Electrochemically Enhanced Drug Delivery Using Polypyrrole Films. Materials, 2018, 11, 1123.	1.3	58
46	In Vitro transdermal delivery of sesamol using oleic acid chemically-modified gelatin nanoparticles as a potential breast cancer medication. Journal of Drug Delivery Science and Technology, 2018, 48, 30-39.	1.4	51
47	Augmented simvastatin cytotoxicity using optimized lipid nanocapsules: a potential for breast cancer treatment. Journal of Liposome Research, 2017, 27, 1-10.	1.5	60
48	Statins anticancer targeted delivery systems: re-purposing an old molecule. Journal of Pharmacy and Pharmacology, 2017, 69, 613-624.	1.2	39
49	Studying the effect of physically adsorbed coating polymers on the cytotoxic activity of optimized bisdemethoxycurcumin loaded PLGA nanoparticles. Journal of Biomedical Materials Research - Part A, 2017, 105, 1433-1445.	2.1	51
50	Nanostructured lipid carriers loaded with simvastatin: effect of PEG/glycerides on characterization, stability, cellular uptake efficiency and <i>in vitro</i> cytotoxicity. Drug Development and Industrial Pharmacy, 2017, 43, 1112-1125.	0.9	56
51	Optimizing novel penetration enhancing hybridized vesicles for augmenting the <i>in-vivo</i> effect of an anti-glaucoma drug. Drug Delivery, 2017, 24, 99-108.	2.5	57
52	A novel serum-stable liver targeted cytotoxic system using valerate-conjugated chitosan nanoparticles surface decorated with glycyrrhizin. International Journal of Pharmaceutics, 2017, 525, 123-138.	2.6	39
53	Anti-tumor efficacy of an integrated methyl dihydrojasmonate transdermal microemulsion system targeting breast cancer cells: In vitro and in vivo studies. Colloids and Surfaces B: Biointerfaces, 2017, 155, 512-521.	2.5	59
54	Intradermal vaccination with hollow microneedles: A comparative study of various protein antigen and adjuvant encapsulated nanoparticles. Journal of Controlled Release, 2017, 266, 109-118.	4.8	110

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55	Gelatinized core liposomes: Toward a more robust carrier for hydrophilic molecules. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 3086-3092.	2.1	24
56	Silencing of the metastasis-linked gene, AEG-1, using siRNA-loaded choline surface-modified gelatin nanoparticles in the breast carcinoma cell line MCF-7. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 607-616.	2.5	41
57	Towards better modelling of drug-loading in solid lipid nanoparticles: Molecular dynamics, docking experiments and Gaussian Processes machine learning. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 108, 262-268.	2.0	58
58	Selecting optimum protein nano-carriers for natural polyphenols using cheminformatics tools. <i>Phytomedicine</i> , 2016, 23, 1764-1770.	2.3	55
59	Gelatin-based particulate systems in ocular drug delivery. <i>Pharmaceutical Development and Technology</i> , 2016, 21, 379-386.	1.1	68
60	Exploring the use of nanocarrier systems to deliver the magical molecule; Curcumin and its derivatives. <i>Journal of Controlled Release</i> , 2016, 225, 1-30.	4.8	155
61	Bisdemethoxycurcumin loaded polymeric mixed micelles as potential anti-cancer remedy: Preparation, optimization and cytotoxic evaluation in a HepG-2 cell model. <i>Journal of Molecular Liquids</i> , 2016, 214, 162-170.	2.3	50
62	Computer-Assisted Drug Formulation Design: Novel Approach in Drug Delivery. <i>Molecular Pharmaceutics</i> , 2015, 12, 2800-2810.	2.3	76
63	Replacing microemulsion formulations experimental solubility studies with in-silico methods comprising molecular dynamics and docking experiments. <i>Chemical Engineering Research and Design</i> , 2015, 104, 453-456.	2.7	21
64	Self-microemulsifying systems of Finasteride with enhanced oral bioavailability: multivariate statistical evaluation, characterization, spray-drying and in vivo studies in human volunteers. <i>Nanomedicine</i> , 2015, 10, 3373-3389.	1.7	42
65	Using principal component analysis in studying the transdermal delivery of a lipophilic drug from soft nano-colloidal carriers to develop a quantitative composition effect permeability relationship. <i>Pharmaceutical Development and Technology</i> , 2014, 19, 598-604.	1.1	22
66	Towards better modeling of chitosan nanoparticles production: Screening different factors and comparing two experimental designs. <i>International Journal of Biological Macromolecules</i> , 2014, 64, 334-340.	3.6	97
67	Silencing of the scavenger receptor (Class B Type 1) gene using siRNA-loaded chitosan nanoparticles in a HepG2 cell model. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 930-937.	2.5	37
68	NMR diffusion-ordered spectroscopy can explain differences in skin penetration enhancement between microemulsion formulations. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1389-1390.	1.7	5
69	Suitability of liposomal carriers for systemic delivery of risedronate using the pulmonary route. <i>Drug Delivery</i> , 2013, 20, 311-318.	2.5	34
70	Transdermal delivery of betahistine hydrochloride using microemulsions: Physical characterization, biophysical assessment, confocal imaging and permeation studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 254-260.	2.5	71
71	Development and characterization of colloidal soft nano-carriers for transdermal delivery and bioavailability enhancement of an angiotensin II receptor blocker. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 230-240.	2.0	62
72	Applications of NMR in the characterization of pharmaceutical microemulsions. <i>Journal of Controlled Release</i> , 2012, 161, 62-72.	4.8	47

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73	Visualization, dermatopharmacokinetic analysis and monitoring the conformational effects of a microemulsion formulation in the skin stratum corneum. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 124-130.	5.0	50
74	Microemulsion formulations for the transdermal delivery of testosterone. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 40, 188-196.	1.9	144
75	Uptake of Microemulsion Components into the Stratum Corneum and Their Molecular Effects on Skin Barrier Function. <i>Molecular Pharmaceutics</i> , 2010, 7, 1266-1273.	2.3	86
76	Liposomes as an ocular delivery system for acetazolamide: In vitro and in vivo studies. <i>AAPS PharmSciTech</i> , 2007, 8, E1-E12.	1.5	252
77	AAPS PharmSciTech volume 8, issue 4 " Editorial. <i>AAPS PharmSciTech</i> , 2007, 8, 1-1.	1.5	394
78	Preparation and evaluation of reverse-phase evaporation and multilamellar niosomes as ophthalmic carriers of acetazolamide. <i>International Journal of Pharmaceutics</i> , 2005, 306, 71-82.	2.6	282
79	Exploiting databases and computer softwares in drug formulation: Mining the treasures. <i>Open Journal of Chemistry</i> , 0, , 001-002.	0.3	0
80	Augmented in vitro and in vivo Profiles of Brimonidine Tartrate Using Gelatinized-Core Liposomes. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 2753-2776.	3.3	7