

# Tarek A Ahmed

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,244  
citations

279487

23  
h-index

223531

46  
g-index

50  
all docs

50  
docs citations

50  
times ranked

3496  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, characterization, and potential application of chitosan, chitosan derivatives, and chitosan metal nanoparticles in pharmaceutical drug delivery. <i>Drug Design, Development and Therapy</i> , 2016, 10, 483.	2.0	471
2	Stimuli-Responsive Nano-Architecture Drug-Delivery Systems to Solid Tumor Micromilieu: Past, Present, and Future Perspectives. <i>ACS Nano</i> , 2018, 12, 10636-10664.	7.3	320
3	Exploring recent developments to improve antioxidant, anti-inflammatory and antimicrobial efficacy of curcumin: A review of new trends and future perspectives. <i>Materials Science and Engineering C</i> , 2017, 77, 1316-1326.	3.8	194
4	Preparation of transfersomes encapsulating sildenafil aimed for transdermal drug delivery: Plackett-Burman design and characterization. <i>Journal of Liposome Research</i> , 2015, 25, 1-10.	1.5	87
5	Solid lipid nanoparticles for transdermal delivery of avanafil: optimization, formulation, <i>in-vitro</i> and <i>ex-vivo</i> studies. <i>Journal of Liposome Research</i> , 2016, 26, 288-296.	1.5	78
6	Transdermal glimepiride delivery system based on optimized ethosomal nano-vesicles: Preparation, characterization, <i>in vitro</i> , <i>ex vivo</i> and clinical evaluation. <i>International Journal of Pharmaceutics</i> , 2016, 500, 245-254.	2.6	68
7	Development of alginate-reinforced chitosan nanoparticles utilizing W/O nanoemulsification/internal crosslinking technique for transdermal delivery of rabeprazole. <i>Life Sciences</i> , 2014, 110, 35-43.	2.0	66
8	Biodegradable Injectable In Situ Implants and Microparticles for Sustained Release of Montelukast: In Vitro Release, Pharmacokinetics, and Stability. <i>AAPS PharmSciTech</i> , 2014, 15, 772-780.	1.5	55
9	A potential in situ gel formulation loaded with novel fabricated poly(lactide-co-glycolide) nanoparticles for enhancing and sustaining the ophthalmic delivery of ketoconazole. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 1863-1875.	3.3	50
10	Design and Optimization of Self-Nanoemulsifying Delivery System to Enhance Quercetin Hepatoprotective Activity in Paracetamol-Induced Hepatotoxicity. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 602-612.	1.6	46
11	Development of biodegradable in situ implant and microparticle injectable formulations for sustained delivery of haloperidol. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 3753-3762.	1.6	44
12	Intranasal optimized solid lipid nanoparticles loaded in situ gel for enhancing trans-mucosal delivery of simvastatin. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 48, 499-508.	1.4	43
13	Drug nanocarrier, the future of atopic diseases: Advanced drug delivery systems and smart management of disease. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 475-491.	2.5	42
14	Self-Nanoemulsifying Lyophilized Tablets for Flash Oral Transmucosal Delivery of Vitamin K: Development and Clinical Evaluation. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 2447-2456.	1.6	40
15	Enhanced permeation parameters of optimized nanostructured simvastatin transdermal films: <i>ex vivo</i> and <i>in vivo</i> evaluation. <i>Pharmaceutical Development and Technology</i> , 2015, 20, 919-926.	1.1	38
16	Development of meloxicam <i>in situ</i> implant formulation by quality by design principle. <i>Drug Development and Industrial Pharmacy</i> , 2014, 40, 66-73.	0.9	37
17	Optimized vinpocetine-loaded vitamin E D- $\alpha$ -tocopherol polyethylene glycol 1000 succinate- $\alpha$ lipoic acid micelles as a potential transdermal drug delivery system: <i>in vitro</i> and <i>ex vivo</i> studies. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 33-43.	3.3	37
18	Preparation of finasteride capsules-loaded drug nanoparticles: formulation, optimization, <i>in vitro</i> , and pharmacokinetic evaluation. <i>International Journal of Nanomedicine</i> , 2016, 11, 515.	3.3	33

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19	Transdermal film-loaded finasteride microplates to enhance drug skin permeation: Two-step optimization study. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 88, 246-256.	1.9	33
20	Study the Antifungal and Ocular Permeation of Ketoconazole from Ophthalmic Formulations Containing Trans-Exosomes Nanoparticles. <i>Pharmaceutics</i> , 2021, 13, 151.	2.0	32
21	Impact of nanostructured lipid carriers on dapson delivery to the skin: in vitro and in vivo studies. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118781.	2.6	30
22	&lt;p&gt;Superiority of TPGS-loaded micelles in the brain delivery of vinpocetine via administration of thermosensitive intranasal gel&lt;p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 5555-5567.	3.3	28
23	Pharmacokinetics of Drugs Following IV Bolus, IV Infusion, and Oral Administration. , 0, , .		26
24	Co-Delivery of Atorvastatin Nanocrystals in PLGA based in situ Gel for Anti-Hyperlipidemic Efficacy. <i>Current Drug Delivery</i> , 2016, 13, 211-220.	0.8	26
25	In vitro release, rheological, and stability studies of mefenamic acid coprecipitates in topical formulations. <i>Pharmaceutical Development and Technology</i> , 2011, 16, 497-510.	1.1	22
26	Miconazole Nitrate Oral Disintegrating Tablets: In Vivo Performance and Stability Study. <i>AAPS PharmSciTech</i> , 2012, 13, 760-771.	1.5	21
27	Statistical optimization of controlled release microspheres containing cetirizine hydrochloride as a model for water soluble drugs. <i>Pharmaceutical Development and Technology</i> , 2015, 20, 738-746.	1.1	21
28	Rosuvastatin lyophilized tablets loaded with flexible chitosomes for improved drug bioavailability, anti-hyperlipidemic and anti-oxidant activity. <i>International Journal of Pharmaceutics</i> , 2020, 588, 119791.	2.6	19
29	Aripiprazole-cyclodextrin binary systems for dissolution enhancement: effect of preparation technique, cyclodextrin type and molar ratio. <i>Iranian Journal of Basic Medical Sciences</i> , 2013, 16, 1223-31.	1.0	19
30	Development of optimized self-nanoemulsifying lyophilized tablets (SNELTs) to improve finasteride clinical pharmacokinetic behavior. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 652-661.	0.9	18
31	The use of experimental design in the optimization of risperidone biodegradable nanoparticles: <i>in vitro</i> and <i>in vivo</i> study. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 313-320.	1.9	17
32	Mucoadhesive controlled release microcapsules of indomethacin: Optimization and stability study. <i>Journal of Microencapsulation</i> , 2010, 27, 377-386.	1.2	16
33	&lt;p&gt;Enhancement of Simvastatin ex vivo Permeation from Mucoadhesive Buccal Films Loaded with Dual Drug Release Carriers&lt;p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4001-4020.	3.3	16
34	Formulation and clinical investigation of optimized vinpocetine lyoplant-tabs: new strategy in development of buccal solid dosage form. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 205-220.	2.0	15
35	Development of Multi-Compartment 3D-Printed Tablets Loaded with Self-Nanoemulsified Formulations of Various Drugs: A New Strategy for Personalized Medicine. <i>Pharmaceutics</i> , 2021, 13, 1733.	2.0	15
36	Study the pharmacokinetics, pharmacodynamics and hepatoprotective activity of rosuvastatin from drug loaded lyophilized orodispersible tablets containing transfersomes nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 63, 102489.	1.4	12

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37	Depot injectable atorvastatin biodegradable in situ gel: development, optimization, in vitro, and in vivo evaluation. <i>Drug Design, Development and Therapy</i> , 2016, 10, 405.	2.0	11
38	Enhancing the Hypolipidemic Effect of Simvastatin in Poloxamer-Induced Hyperlipidemic Rats via Lquisolid Approach: Pharmacokinetic and Pharmacodynamic Evaluation. <i>AAPS PharmSciTech</i> , 2020, 21, 223.	1.5	11
39	Two-Step Optimization to Develop a Transdermal Film Loaded With Dapoxetine Nanoparticles: A Promising Technique to Improve Drug Skin Permeation. <i>Dose-Response</i> , 2020, 18, 155932582092385.	0.7	11
40	Effect of finasteride particle size reduction on its pharmacokinetic, tissue distribution and cellular permeation. <i>Drug Delivery</i> , 2018, 25, 555-563.	2.5	10
41	Development of rosuvastatin flexible lipid-based nanoparticles: promising nanocarriers for improving intestinal cells cytotoxicity. <i>BMC Pharmacology &amp; Toxicology</i> , 2020, 21, 14.	1.0	10
42	Oleic acid-reinforced PEGylated polymethacrylate transdermal film with enhanced antidyslipidemic activity and bioavailability of atorvastatin: A mechanistic ex-vivo/in-vivo analysis. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121057.	2.6	10
43	Clinical pharmacokinetic study for the effect of glimepiride matrix tablets developed by quality by design concept. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 66-81.	0.9	9
44	Self-Nanoemulsifying Drug Delivery System Loaded with Psiadia punctulata Major Metabolites for Hypertensive Emergencies: Effect on Hemodynamics and Cardiac Conductance. <i>Frontiers in Pharmacology</i> , 2021, 12, 681070.	1.6	8
45	Review: approaches to develop PLGA based in situ gelling system with low initial burst. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2015, 28, 657-65.	0.2	7
46	&lt;p&gt;An Optimized Surfactant-Based PEG-PLCL In Situ Gel Formulation For Enhanced Activity Of Rosuvastatin In Poloxamer-Induced Hyperlipidemic Rats&lt;/p&gt;. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 4035-4051.	2.0	6
47	Development of 3D-Printed, Lquisolid and Directly Compressed Glimepiride Tablets, Loaded with Black Seed Oil Self-Nanoemulsifying Drug Delivery System: In Vitro and In Vivo Characterization. <i>Pharmaceutics</i> , 2022, 15, 68.	1.7	6
48	Improving the Solubility and Oral Bioavailability of a Novel Aromatic Aldehyde Antisickling Agent (PP10) for the Treatment of Sickle Cell Disease. <i>Pharmaceutics</i> , 2021, 13, 1148.	2.0	4
49	Pairing 3D-Printing with Nanotechnology to Manage Metabolic Syndrome. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 1783-1801.	3.3	4
50	Sterile dosage forms loaded nanosystems for parenteral, nasal, pulmonary and ocular administration. , 2018, , 335-395.		2