

Sohail Akhter

List of Publications by Year in descending order

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90
papers

3,261
citations

126708

33
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161609

54
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all docs

90
docs citations

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times ranked

4540
citing authors

#	ARTICLE	IF	CITATIONS
1	Mupirocin-Loaded Chitosan Microspheres Embedded in Piper betle Extract Containing Collagen Scaffold Accelerate Wound Healing Activity. <i>AAPS PharmSciTech</i> , 2022, 23, 77.	1.5	9
2	mRNA Lipoplexes with Cationic and Ionizable Î±-Amino-lipophosphonates: Membrane Fusion, Transfection, mRNA Translation and Conformation. <i>Pharmaceutics</i> , 2022, 14, 581.	2.0	3
3	Nanoemulgel as an approach to improve the biopharmaceutical performance of lipophilic drugs: Contemporary research and application. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 72, 103420.	1.4	8
4	Novel nanoemulsion gel containing triple natural bio-actives combination of curcumin, thymoquinone, and resveratrol improves psoriasis therapy: in vitro and in vivo studies. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1245-1260.	3.0	30
5	Current Trends in the Therapeutic Strategies for Diabetes Management. <i>Current Medicinal Chemistry</i> , 2021, 28, 4616-4637.	1.2	6
6	Progress of Cancer Nanotechnology as Diagnostics, Therapeutics, and Theranostics Nanomedicine: Preclinical Promise and Translational Challenges. <i>Pharmaceutics</i> , 2021, 13, 24.	2.0	48
7	Improved chemotherapeutic efficacy against resistant human breast cancer cells with co-delivery of Docetaxel and Thymoquinone by Chitosan grafted lipid nanocapsules: Formulation optimization, in vitro and in vivo studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110603.	2.5	45
8	Liposomes as Anticancer Therapeutic Drug Carrier™s Systems: More than a Tour de Force. <i>Current Nanomedicine</i> , 2020, 10, 178-185.	0.2	8
9	Co-encapsulation of docetaxel and thymoquinone in mPEG-DSPE-vitamin E TPGS-lipid nanocapsules for breast cancer therapy: Formulation optimization and implications on cellular and in vivo toxicity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 148, 10-26.	2.0	33
10	Omega-3 fatty acids as adjunctive therapeutics: prospective of nanoparticles in its formulation development. <i>Therapeutic Delivery</i> , 2020, 11, 851-868.	1.2	20
11	Formulation design and pharmacokinetic evaluation of docosahexaenoic acid containing self-nanoemulsifying drug delivery system for oral administration. <i>Nanomaterials and Nanotechnology</i> , 2020, 10, 184798042095098.	1.2	10
12	Development of Polymer and Surfactant Based Naringenin Nanosuspension for Improvement of Stability, Antioxidant, and Antitumour Activity. <i>Journal of Chemistry</i> , 2020, 2020, 1-10.	0.9	7
13	Systematic development of a bioanalytical UPLC-MS/MS method for estimation of risperidone and its active metabolite in long-acting microsphere formulation in rat plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1160, 122433.	1.2	9
14	Emerging advances in synthetic cancer nano-vaccines: opportunities and challenges. <i>Expert Review of Vaccines</i> , 2020, 19, 1053-1071.	2.0	23
15	Metallic nanoparticulate delivery systems. , 2020, , 279-328.		4
16	Improved Analgesic and Anti-Inflammatory Effect of Diclofenac Sodium by Topical Nanoemulgel: Formulation Developmentâ€™ <i>In Vitro</i> and <i>In Vivo</i> Studies. <i>Journal of Chemistry</i> , 2020, 2020, 1-10.	0.9	26
17	Therapeutic Nanoemulsion: Concept to Delivery. <i>Current Pharmaceutical Design</i> , 2020, 26, 1145-1166.	0.9	30
18	Cancer Nano-therapeutics: Prospective and Challenges. <i>Current Nanomedicine</i> , 2020, 10, 88-89.	0.2	0

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19	3D Printing Technology in Customized Drug Delivery System: Current State of the Art, Prospective and the Challenges. <i>Current Pharmaceutical Design</i> , 2019, 24, 5049-5061.	0.9	19
20	Conventional formulations, Challenges, and Nanomedicines in Infective and Non-Infective Skin Diseases Therapy. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2019, 14, 5-6.	0.5	2
21	Cilnidipine loaded transfersomes for transdermal application: Formulation optimization, in-vitro and in-vivo study. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 54, 101303.	1.4	29
22	Synthesis and characterization of novel carboxymethyl Assam Bora rice starch for the controlled release of cationic anticancer drug based on electrostatic interactions. <i>AAPS PharmSciTech</i> , 2018, 19, 134-147.	1.5	14
23	Nanomedicine Advances in Topical Infective and Non-Infective Skin Diseases Therapy. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2018, 13, 104-104.	0.5	4
24	Emergence in the functionalized carbon nanotubes as smart nanocarriers for drug delivery applications. , 2018, , 105-133.		24
25	Metal-organic frameworks as expanding hybrid carriers with diverse therapeutic applications. , 2018, , 1-34.		4
26	Nanotechnology-based drug products. , 2018, , 619-655.		3
27	Synthesis of $\hat{\pm}$ -amino-lipophosphonates as cationic lipids or co-lipids for DNA transfection in dendritic cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6869-6881.	2.9	14
28	Supercritical anti-solvent technique assisted synthesis of thymoquinone liposomes for radioprotection: Formulation optimization, in-vitro and in-vivo studies. <i>International Journal of Pharmaceutics</i> , 2017, 523, 398-409.	2.6	14
29	Nanoporous metal organic frameworks as hybrid polymer-metal composites for drug delivery and biomedical applications. <i>Drug Discovery Today</i> , 2017, 22, 625-637.	3.2	212
30	Liposome-Based Nanomedicine Therapeutics for Rheumatoid Arthritis. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2017, 34, 283-316.	1.2	16
31	Bile Salt Stabilized Vesicles (Bilosomes): A Novel Nano-Pharmaceutical Design for Oral Delivery of Proteins and Peptides. <i>Current Pharmaceutical Design</i> , 2017, 23, 1575-1588.	0.9	58
32	Nanotechnology Based Theranostic Approaches in Alzheimer's Disease Management: Current Status and Future Perspective. <i>Current Alzheimer Research</i> , 2017, 14, 1164-1181.	0.7	57
33	Emerging Advances in Nanomedicine as a Nanoscale Pharmacotherapy in Rheumatoid Arthritis: State of the Art. <i>Current Topics in Medicinal Chemistry</i> , 2016, 17, 162-173.	1.0	16
34	Intracellular Availability of pDNA and mRNA after Transfection: A Comparative Study among Polyplexes, Lipoplexes, and Lipopolyplexes. <i>Molecular Pharmaceutics</i> , 2016, 13, 3153-3163.	2.3	19
35	Improving the topical ocular pharmacokinetics of an immunosuppressant agent with mucoadhesive nanoemulsions: Formulation development, in-vitro and in-vivo studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 19-29.	2.5	64
36	Enhanced anti-tumor efficacy of paclitaxel with PEGylated lipidic nanocapsules in presence of curcumin and poloxamer: In vitro and in vivo studies. <i>Pharmacological Research</i> , 2016, 113, 146-165.	3.1	32

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37	Nanotechnology for Transcorneal Drug Targeting in Glaucoma: Challenges and Progress. , 2016, , 75-99.		3
38	Progress of Controlled Drug Delivery Systems in Topical Ophthalmology: Focus on Nano and Micro Drug Carriers. , 2016, , 131-163.		4
39	Supercritical Fluid Technology-Based Trans-Resveratrol SLN for Long Circulation and Improved Radioprotection. Journal of Pharmaceutical Innovation, 2016, 11, 308-322.	1.1	15
40	Toxicity of Inorganic Nanoparticles Used in Targeted Drug Delivery and Other Biomedical Application: An Updated Account on Concern of Biomedical Nanotoxicology. Journal of Nanoscience and Nanotechnology, 2016, 16, 7873-7897.	0.9	10
41	Phytoconstituents as pharmacotherapeutics in rheumatoid arthritis: challenges and scope of nano/submicromedicine in its effective delivery. Journal of Pharmacy and Pharmacology, 2016, 69, 1-14.	1.2	41
42	Progress in nanotechnology-based drug carrier in designing of curcumin nanomedicines for cancer therapy: current state-of-the-art. Journal of Drug Targeting, 2016, 24, 273-293.	2.1	73
43	Engineered Nanoparticles Against MDR in Cancer: The State of the Art and its Prospective. Current Pharmaceutical Design, 2016, 22, 4360-4373.	0.9	53
44	Nanotechnology-based inhalation treatments for lung cancer: state of the art. Nanotechnology, Science and Applications, 2015, 8, 55.	4.6	105
45	Treatment of psoriasis by using Hijamah: A case report. Saudi Journal of Biological Sciences, 2015, 22, 117-121.	1.8	13
46	Experimental investigation and oral bioavailability enhancement of nano-sized curcumin by using supercritical anti-solvent process. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 162-172.	2.0	29
47	Emerging advances in cancer nanotheranostics with graphene nanocomposites: opportunities and challenges. Nanomedicine, 2015, 10, 2405-2422.	1.7	64
48	Nanomedicine-based drug targeting for psoriasis: potentials and emerging trends in nanoscale pharmacotherapy. Expert Opinion on Drug Delivery, 2015, 12, 635-652.	2.4	79
49	Nanotechnology to Combat Multidrug Resistance in Cancer. Resistance To Targeted Anti-cancer Therapeutics, 2015, , 245-272.	0.1	5
50	Role of Graphene Nano-Composites in Cancer Therapy: Theranostic Applications, Metabolic Fate and Toxicity Issues. Current Drug Metabolism, 2015, 16, 397-409.	0.7	46
51	Solid Matrix Based Lipidic Nanoparticles in Oral Cancer Chemotherapy: Applications and Pharmacokinetics. Current Drug Metabolism, 2015, 16, 633-644.	0.7	59
52	Nanomedicine Based Drug Targeting in Alzheimerâ€™s Disease: High Impact of Small Carter. , 2014, , 716-739.		2
53	Collagen loaded nano-sized surfactant based dispersion for topical application: formulation development, characterization and safety study. Pharmaceutical Development and Technology, 2014, 19, 460-467.	1.1	11
54	Synthesis and in vitro localization study of curcumin-loaded SPIONs in a micro capillary for simulating a targeted drug delivery system. International Journal of Pharmaceutics, 2014, 468, 158-164.	2.6	16

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55	Role of Nanomedicines in Delivery of Anti-Acetylcholinesterase Compounds to the Brain in Alzheimer's Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2014, 13, 1315-1324.	0.8	23
56	Evaluation of material properties and compression characteristics of Assam Bora rice flours as a directly compressible vehicle in tablet formulation. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 163-171.	2.4	1
57	Nanometric gold in cancer nanotechnology: current status and future prospect. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 634-651.	1.2	76
58	Nanocarrier based formulation of Thymoquinone improves oral delivery: Stability assessment, in vitro and in vivo studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 822-832.	2.5	93
59	Colorectal cancer targeted Irinotecan-Assam Bora rice starch based microspheres: a mechanistic, pharmacokinetic and biochemical investigation. <i>Drug Development and Industrial Pharmacy</i> , 2013, 39, 1936-1943.	0.9	37
60	Ocular pharmacoscintigraphic and aqueous humoral drug availability of ganciclovir-loaded mucoadhesive nanoparticles in rabbits. <i>European Journal of Nanomedicine</i> , 2013, 5, .	0.6	20
61	Omega 3 Fatty Acids as Pharmacotherapeutics in Psoriasis: Current Status and Scope of Nanomedicine in its Effective Delivery. <i>Current Drug Targets</i> , 2013, 14, 708-722.	1.0	34
62	Application of Decoy Oligonucleotides as Novel Therapeutic Strategy: A Contemporary Overview. <i>Current Drug Discovery Technologies</i> , 2013, 10, 71-84.	0.6	12
63	Nanomedicines as Cancer Therapeutics: Current Status. <i>Current Cancer Drug Targets</i> , 2013, 13, 362-378.	0.8	123
64	Prospective Corollary of Ophthalmic Nanomedicine. , 2013, , 317-336.		1
65	Thymoquinone: Major Molecular Targets, Prominent Pharmacological Actions and Drug Delivery Concerns. <i>Current Bioactive Compounds</i> , 2013, 8, 334-344.	0.2	11
66	In vitro and in vivo evaluation of Assam Bora rice starch-based bioadhesive microsphere as a drug carrier for colon targeting. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 141-149.	2.4	48
67	Classical to Current Approach for Treatment of Psoriasis: A Review. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2012, 12, 287-302.	0.6	94
68	Feasibility of Assam Bora Rice Starch as a Compression Coat of 5-Fluorouracil Core Tablet for Colorectal Cancer. <i>Current Drug Delivery</i> , 2012, 9, 105-110.	0.8	10
69	Assam Bora Rice Starch Based Biocompatible Mucoadhesive Microsphere for Targeted Delivery of 5-Fluorouracil in Colorectal Cancer. <i>Molecular Pharmaceutics</i> , 2012, 9, 2986-2994.	2.3	39
70	Gold nanoparticles in theranostic oncology: current state-of-the-art. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 1225-1243.	2.4	116
71	Insight into the Biomarkers as the Novel Anti-Psoriatic Drug Discovery Tool: A Contemporary Viewpoint. <i>Current Drug Discovery Technologies</i> , 2012, 9, 48-62.	0.6	19
72	Advancement in multifunctional nanoparticles for the effective treatment of cancer. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 367-381.	2.4	90

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73	Development and evaluation of nanosized niosomal dispersion for oral delivery of Ganciclovir. Drug Development and Industrial Pharmacy, 2012, 38, 84-92.	0.9	48
74	Compactibility and compressibility studies of Assam Bora rice starch. Powder Technology, 2012, 224, 281-286.	2.1	18
75	Emergence of Nanomedicine as Cancer Targeted Magic Bullets: Recent Development and Need to Address the Toxicity Apprehension. Current Drug Discovery Technologies, 2012, 9, 319-329.	0.6	63
76	Antiepileptic Intranasal Amiloride Loaded Mucoadhesive Nanoemulsion: Development and Safety Assessment. Journal of Biomedical Nanotechnology, 2011, 7, 142-143.	0.5	19
77	VALIDATED STABILITY INDICATING RP-HPLC METHOD FOR THE ESTIMATION OF LINEZOLID IN A PHARMACEUTICAL DOSAGE FORM. Journal of Liquid Chromatography and Related Technologies, 2011, 34, 2185-2195.	0.5	18
78	Development of Polysaccharide based Colon Targeted Drug Delivery System: Design and Evaluation of Assam Bora rice Starch based Matrix Tablet. Current Drug Delivery, 2011, 8, 575-581.	0.8	33
79	Enhanced bioavailability of nano-sized chitosan-atorvastatin conjugate after oral administration to rats. European Journal of Pharmaceutical Sciences, 2011, 44, 241-249.	1.9	93
80	Stability-indicating ultra-performance liquid chromatography method for the estimation of thymoquinone and its application in biopharmaceutical studies. Biomedical Chromatography, 2011, 25, 613-620.	0.8	46
81	Microscopic and spectroscopic evaluation of novel PLGA-chitosan Nanoplexes as an ocular delivery system. Colloids and Surfaces B: Biointerfaces, 2011, 82, 397-403.	2.5	63
82	Assessment of Ocular Pharmacokinetics and Safety of Ganciclovir Loaded Nanoformulations. Journal of Biomedical Nanotechnology, 2011, 7, 144-145.	0.5	28
83	Cancer Targeted Metallic Nanoparticle: Targeting Overview, Recent Advancement and Toxicity Concern. Current Pharmaceutical Design, 2011, 17, 1834-1850.	0.9	80
84	Evaluation of Assam Bora Rice Starch as Plasma Volume Expander by Polymer Analysis. Current Drug Delivery, 2010, 7, 436-441.	0.8	14
85	Mechanistic study of hydrolytic erosion and drug release behaviour of PLGA nanoparticles: Influence of chitosan. Polymer Degradation and Stability, 2010, 95, 2360-2366.	2.7	41
86	Insights into the novel three D's of epilepsy treatment: drugs, delivery systems and devices. Drug Discovery Today, 2010, 15, 717-732.	3.2	29
87	Ultra high-pressure liquid chromatographic assay of moxifloxacin in rabbit aqueous humor after topical instillation of moxifloxacin nanoparticles. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 110-113.	1.4	24
88	Quantitative analysis of safranal in saffron extract and nanoparticle formulation by a validated high-performance thin-layer chromatographic method. Phytochemical Analysis, 2010, 21, 219-223.	1.2	17
89	Metallic nanoparticles: technology overview & drug delivery applications in oncology. Expert Opinion on Drug Delivery, 2010, 7, 927-942.	2.4	179
90	Investigation of Nanoemulsion System for Transdermal Delivery of Domperidone: Ex-vivo and in vivo Studies. Current Nanoscience, 2008, 4, 381-390.	0.7	53