Sohail Akhter

List of Publications by Year
in descending order

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90	3,261	126858	161767
papers	citations	33 h-index	54 g-index

90	90	90	4540
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoporous metal organic frameworks as hybrid polymerâ€“metal composites for drug delivery and biomedical applications. Drug Discovery Today, 2017, 22, 625-637.	3.2	212
2	Metallic nanoparticles: technology overview & drug delivery applications in oncology. Expert Opinion on Drug Delivery, 2010, 7, 927-942.	2.4	179
3	Nanomedicines as Cancer Therapeutics: Current Status. Current Cancer Drug Targets, 2013, 13, 362-378.	0.8	123
4	Gold nanoparticles in theranostic oncology: current state-of-the-art. Expert Opinion on Drug Delivery, 2012, 9, 1225-1243.	2.4	116
5	Nanotechnology-based inhalation treatments for lung cancer: state of the art. Nanotechnology, Science and Applications, 2015, 8, 55.	4.6	105
6	Classical to Current Approach for Treatment of Psoriasis: A Review. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2012, 12, 287-302.	0.6	94
7	Enhanced bioavailability of nano-sized chitosanâ€“atorvastatin conjugate after oral administration to rats. European Journal of Pharmaceutical Sciences, 2011, 44, 241-249.	1.9	93
8	Nanocarrier based formulation of Thymoquinone improves oral delivery: Stability assessment, in vitro and in vivo studies. Colloids and Surfaces B: Biointerfaces, 2013, 102, 822-832.	2.5	93
9	Advancement in multifunctional nanoparticles for the effective treatment of cancer. Expert Opinion on Drug Delivery, 2012, 9, 367-381.	2.4	90
10	Cancer Targeted Metallic Nanoparticle: Targeting Overview, Recent Advancement and Toxicity Concern. Current Pharmaceutical Design, 2011, 17, 1834-1850.	0.9	80
11	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
12	Nanometric gold in cancer nanotechnology: current status and future prospect. Journal of Pharmacy and Pharmacology, 2013, 65, 634-651.	1.2	76
13	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
14	Emerging advances in cancer nanotheranostics with graphene nanocomposites: opportunities and challenges. Nanomedicine, 2015, 10, 2405-2422.	1.7	64
15	Improving the topical ocular pharmacokinetics of an immunosuppressant agent with mucoadhesive nanoemulsions: Formulation development, in-vitro and in-vivo studies. Colloids and Surfaces B: Biointerfaces, 2016, 148, 19-29.	2.5	64
16	Microscopic and spectroscopic evaluation of novel PLGAâ€“chitosan Nanoplexes as an ocular delivery system. Colloids and Surfaces B: Biointerfaces, 2011, 82, 397-403.	2.5	63
17	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
18	Solid Matrix Based Lipidic Nanoparticles in Oral Cancer Chemotherapy: Applications and Pharmacokinetics. Current Drug Metabolism, 2015, 16, 633-644.	0.7	59

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19	Bile Salt Stabilized Vesicles (Bilosomes): A Novel Nano-Pharmaceutical Design for Oral Delivery of Proteins and Peptides. Current Pharmaceutical Design, 2017, 23, 1575-1588.	0.9	58
20	Nanotechnology Based Theranostic Approaches in Alzheimer's Disease Management: Current Status and Future Perspective. Current Alzheimer Research, 2017, 14, 1164-1181.	0.7	57
21	Investigation of Nanoemulsion System for Transdermal Delivery of Domperidone: Ex-vivo and in vivo Studies. Current Nanoscience, 2008, 4, 381-390.	0.7	53
22	Engineered Nanoparticles Against MDR in Cancer: The State of the Art and its Prospective. Current Pharmaceutical Design, 2016, 22, 4360-4373.	0.9	53
23	In vitroandin vivoevaluation ofAssam Borarice starch-based bioadhesive microsphere as a drug carrier for colon targeting. Expert Opinion on Drug Delivery, 2012, 9, 141-149.	2.4	48
24	Development and evaluation of nanosized niosomal dispersion for oral delivery of Ganciclovir. Drug Development and Industrial Pharmacy, 2012, 38, 84-92.	0.9	48
25	Progress of Cancer Nanotechnology as Diagnostics, Therapeutics, and Theranostics Nanomedicine: Preclinical Promise and Translational Challenges. Pharmaceutics, 2021, 13, 24.	2.0	48
26	Stabilityâ€indicating ultraâ€performance liquid chromatography method for the estimation of thymoquinone and its application in biopharmaceutical studies. Biomedical Chromatography, 2011, 25, 613-620.	0.8	46
27	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
28	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. Colloids and Surfaces B: Biointerfaces, 2020, 186, 110603.	2.5	45
29	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
30	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
31	Assam Bora Rice Starch Based Biocompatible Mucoadhesive Microsphere for Targeted Delivery of 5-Fluorouracil in Colorectal Cancer. Molecular Pharmaceutics, 2012, 9, 2986-2994.	2.3	39
32	Colorectal cancer targeted Irinotecan-Assam Bora rice starch based microspheres: a mechanistic, pharmacokinetic and biochemical investigation. Drug Development and Industrial Pharmacy, 2013, 39, 1936-1943.	0.9	37
33	Omega â€“ 3 Fatty Acids as Pharmacotherapeutics in Psoriasis: Current Status and Scope of Nanomedicine in its Effective Delivery. Current Drug Targets, 2013, 14, 708-722.	1.0	34
34	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
35	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. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 148, 10-26.	2.0	33
36	Enhanced anti-tumor efficacy of paclitaxel with PEGylated lipidic nanocapsules in presence of curcumin and poloxamer: In vitro and in vivo studies. Pharmacological Research, 2016, 113, 146-165.	3.1	32

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37	Novel nanoemulsion gel containing triple natural bio-actives combination of curcumin, thymoquinone, and resveratrol improves psoriasis therapy: in vitro and in vivo studies. Drug Delivery and Translational Research, 2021, 11, 1245-1260.	3.0	30
38	Therapeutic Nanoemulsion: Concept to Delivery. Current Pharmaceutical Design, 2020, 26, 1145-1166.	0.9	30
39	Insights into the novel three â€˜D's of epilepsy treatment: drugs, delivery systems and devices. Drug Discovery Today, 2010, 15, 717-732.	3.2	29
40	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
41	Cilnidipine loaded transfersomes for transdermal application: Formulation optimization, in-vitro and in-vivo study. Journal of Drug Delivery Science and Technology, 2019, 54, 101303.	1.4	29
42	Assessment of Ocular Pharmacokinetics and Safety of Ganciclovir Loaded Nanoformulations. Journal of Biomedical Nanotechnology, 2011, 7, 144-145.	0.5	28
43	Improved Analgesic and Anti-Inflammatory Effect of Diclofenac Sodium by Topical Nanoemulgel: Formulation Developmentâ€”In VitroandIn VivoStudies. Journal of Chemistry, 2020, 2020, 1-10.	0.9	26
44	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
45	Emergence in the functionalized carbon nanotubes as smart nanocarriers for drug delivery applications. , 2018, , 105-133.		24
46	Emerging advances in synthetic cancer nano-vaccines: opportunities and challenges. Expert Review of Vaccines, 2020, 19, 1053-1071.	2.0	23
47	Role of Nanomedicines in Delivery of Anti-Acetylcholinesterase Compounds to the Brain in Alzheimerâ€™s Disease. CNS and Neurological Disorders - Drug Targets, 2014, 13, 1315-1324.	0.8	23
48	Ocular pharmacoscintigraphic and aqueous humoral drug availability of ganciclovir-loaded mucoadhesive nanoparticles in rabbits. European Journal of Nanomedicine, 2013, 5, .	0.6	20
49	Omega-3 fatty acids as adjunctive therapeutics: prospective of nanoparticles in its formulation development. Therapeutic Delivery, 2020, 11, 851-868.	1.2	20
50	Antiepileptic Intranasal Amiloride Loaded Mucoadhesive Nanoemulsion: Development and Safety Assessment. Journal of Biomedical Nanotechnology, 2011, 7, 142-143.	0.5	19
51	Insight into the Biomarkers as the Novel Anti-Psoriatic Drug Discovery Tool: A Contemporary Viewpoint. Current Drug Discovery Technologies, 2012, 9, 48-62.	0.6	19
52	Intracellular Availability of pDNA and mRNA after Transfection: A Comparative Study among Polyplexes, Lipoplexes, and Lipopolyplexes. Molecular Pharmaceutics, 2016, 13, 3153-3163.	2.3	19
53	3D Printing Technology in Customized Drug Delivery System: Current State of the Art, Prospective and the Challenges. Current Pharmaceutical Design, 2019, 24, 5049-5061.	0.9	19
54	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

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55	Compactibility and compressibility studies of Assam Bora rice starch. Powder Technology, 2012, 224, 281-286.	2.1	18
56	Quantitative analysis of safranal in saffron extract and nanoparticle formulation by a validated highâ€performance thinâ€layer chromatographic methodâ€. Phytochemical Analysis, 2010, 21, 219-223.	1.2	17
57	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
58	Emerging Advances in Nanomedicine as a Nanoscale Pharmacotherapy in Rheumatoid Arthritis: State of the Art. Current Topics in Medicinal Chemistry, 2016, 17, 162-173.	1.0	16
59	Liposome-Based Nanomedicine Therapeutics for Rheumatoid Arthritis. Critical Reviews in Therapeutic Drug Carrier Systems, 2017, 34, 283-316.	1.2	16
60	Supercritical Fluid Technology-Based Trans-Resveratrol SLN for Long Circulation and Improved Radioprotection. Journal of Pharmaceutical Innovation, 2016, 11, 308-322.	1.1	15
61	Evaluation of Assam Bora Rice Starch as Plasma Volume Expander by Polymer Analysis. Current Drug Delivery, 2010, 7, 436-441.	0.8	14
62	Synthesis of Î±-amino-lipophosphonates as cationic lipids or co-lipids for DNA transfection in dendritic cells. Journal of Materials Chemistry B, 2017, 5, 6869-6881.	2.9	14
63	Supercritical anti-solvent technique assisted synthesis of thymoquinone liposomes for radioprotection: Formulation optimization, in-vitro and in-vivo studies. International Journal of Pharmaceutics, 2017, 523, 398-409.	2.6	14
64	Synthesis and characterization of novel carboxymethyl Assam Bora rice starch for the controlled release of cationic anticancer drug based on electrostatic interactions. AAPS PharmSciTech, 2018, 19, 134-147.	1.5	14
65	Treatment of psoriasis by using Hijamah: A case report. Saudi Journal of Biological Sciences, 2015, 22, 117-121.	1.8	13
66	Application of Decoy Oligonucleotides as Novel Therapeutic Strategy: A Contemporary Overview. Current Drug Discovery Technologies, 2013, 10, 71-84.	0.6	12
67	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
68	Thymoquinone: Major Molecular Targets, Prominent Pharmacological Actions and Drug Delivery Concerns. Current Bioactive Compounds, 2013, 8, 334-344.	0.2	11
69	Feasibility of Assam Bora Rice Starch as a Compression Coat of 5-Fluorouracil Core Tablet for Colorectal Cancer. Current Drug Delivery, 2012, 9, 105-110.	0.8	10
70	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
71	Formulation design and pharmacokinetic evaluation of docosahexaenoic acid containing self-nanoemulsifying drug delivery system for oral administration. Nanomaterials and Nanotechnology, 2020, 10, 184798042095098.	1.2	10
72	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1160, 122433.	1.2	9

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73	Mupirocin-Loaded Chitosan Microspheres Embedded in Piper betle Extract Containing Collagen Scaffold Accelerate Wound Healing Activity. AAPS PharmSciTech, 2022, 23, 77.	1.5	9
74	Liposomes as Anticancer Therapeutic Drug Carrierâ€™s Systems: More than a Tour de Force. Current Nanomedicine, 2020, 10, 178-185.	0.2	8
75	Nanoemulgel as an approach to improve the biopharmaceutical performance of lipophilic drugs: Contemporary research and application. Journal of Drug Delivery Science and Technology, 2022, 72, 103420.	1.4	8
76	Development of Polymer and Surfactant Based Naringenin Nanosuspension for Improvement of Stability, Antioxidant, and Antitumour Activity. Journal of Chemistry, 2020, 2020, 1-10.	0.9	7
77	Current Trends in the Therapeutic Strategies for Diabetes Management. Current Medicinal Chemistry, 2021, 28, 4616-4637.	1.2	6
78	Nanotechnology to Combat Multidrug Resistance in Cancer. Resistance To Targeted Anti-cancer Therapeutics, 2015, , 245-272.	0.1	5
79	Progress of Controlled Drug Delivery Systems in Topical Ophthalmology: Focus on Nano and Micro Drug Carriers. , 2016, , 131-163.		4
80	Nanomedicine Advances in Topical Infective and Non-Infective Skin Diseases Therapy. Recent Patents on Anti-infective Drug Discovery, 2018, 13, 104-104.	0.5	4
81	Metalâ€“organic frameworks as expanding hybrid carriers with diverse therapeutic applications. , 2018, , 1-34.		4
82	Metallic nanoparticulate delivery systems. , 2020, , 279-328.		4
83	Nanotechnology for Transcorneal Drug Targeting in Glaucoma: Challenges and Progress. , 2016, , 75-99.		3
84	Nanotechnology-based drug products. , 2018, , 619-655.		3
85	mRNA Lipoplexes with Cationic and Ionizable Î±-Amino-lipophosphonates: Membrane Fusion, Transfection, mRNA Translation and Conformation. Pharmaceutics, 2022, 14, 581.	2.0	3
86	Nanomedicine Based Drug Targeting in Alzheimerâ€™s Disease: High Impact of Small Carter. , 2014, , 716-739.		2
87	Conventional formulations, Challenges, and Nanomedicines in Infective and Non-Infective Skin Diseases Therapy. Recent Patents on Anti-infective Drug Discovery, 2019, 14, 5-6.	0.5	2
88	Evaluation of material properties and compression characteristics ofAssam Borarice flours as a directly compressible vehicle in tablet formulation. Expert Opinion on Drug Delivery, 2013, 10, 163-171.	2.4	1
89	Prospective Corollary of Ophthalmic Nanomedicine. , 2013, , 317-336.		1
90	Cancer Nano-therapeutics: Prospective and Challenges. Current Nanomedicine, 2020, 10, 88-89.	0.2	0