

Subham Banerjee

List of Publications by Year in descending order

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70
papers

1,539
citations

236612
25
h-index

344852
36
g-index

73
all docs

73
docs citations

73
times ranked

1610
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpenetrating polymer network (IPN) hydrogel microspheres for oral controlled release application. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 198-206.	3.6	103
2	Novel interpenetrating network microspheres of xanthan gum-poly(vinyl alcohol) for the delivery of diclofenac sodium to the intestine in vitro and in vivo evaluation. <i>Drug Delivery</i> , 2010, 17, 508-519.	2.5	86
3	Microsponges: A novel strategy for drug delivery system. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2010, 1, 283.	0.5	83
4	Aspect of adhesives in transdermal drug delivery systems. <i>International Journal of Adhesion and Adhesives</i> , 2014, 50, 70-84.	1.4	70
5	Synthesis and Characterization of Poly(acrylic acid)/Poly(vinyl alcohol)-xanthan Gum Interpenetrating Network (IPN) Superabsorbent Polymeric Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 878-884.	1.9	64
6	Tailored IPN Hydrogel Bead of Sodium Carboxymethyl Cellulose and Sodium Carboxymethyl Xanthan Gum for Controlled Delivery of Diclofenac Sodium. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 795-805.	1.9	61
7	Solid lipid matrix mediated nanoarchitectonics for improved oral bioavailability of drugs. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2019, 15, 499-515.	1.5	59
8	Trivalent ion cross-linked pH sensitive alginate-methyl cellulose blend hydrogel beads from aqueous template. <i>International Journal of Biological Macromolecules</i> , 2013, 57, 297-307.	3.6	53
9	Al ³⁺ ion cross-linked interpenetrating polymeric network microbeads from tailored natural polysaccharides. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 1173-1184.	3.6	47
10	Preparation and in vitro evaluation of xanthan gum facilitated superabsorbent polymeric microspheres. <i>Carbohydrate Polymers</i> , 2013, 98, 64-72.	5.1	46
11	Influence of process variables on essential oil microcapsule properties by carbohydrate polymer-protein blends. <i>Carbohydrate Polymers</i> , 2013, 93, 691-697.	5.1	43
12	3D printed hollow microneedles array using stereolithography for efficient transdermal delivery of rifampicin. <i>International Journal of Pharmaceutics</i> , 2021, 605, 120815.	2.6	43
13	Antitermitic activity of plant essential oils and their major constituents against termite <i>Odontotermes assamensis</i> Holmgren (Isoptera: Termitidae) of North East India. <i>International Biodeterioration and Biodegradation</i> , 2012, 75, 63-67.	1.9	42
14	Mechanisms of the effectiveness of lipid nanoparticle formulations loaded with anti-tubercular drugs combinations toward overcoming drug bioavailability in tuberculosis. <i>Journal of Drug Targeting</i> , 2020, 28, 55-69.	2.1	40
15	Acute Dermal Irritation, Sensitization, and Acute Toxicity Studies of a Transdermal Patch for Prophylaxis Against (A±) Anatoxin-A Poisoning. <i>International Journal of Toxicology</i> , 2013, 32, 308-313.	0.6	35
16	Analytical method development and validation of reverse-phase high-performance liquid chromatography (RP-HPLC) method for simultaneous quantifications of quercetin and piperine in dual-drug loaded nanostructured lipid carriers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113325.	1.4	35
17	Comparative study of oral lipid nanoparticle formulations (LNPs) for chemical stabilization of antitubercular drugs: physicochemical and cellular evaluation. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 540-558.	1.9	34
18	Characterization, mechanism of anticoagulant action, and assessment of therapeutic potential of a fibrinolytic serine protease (Brevithrombolase) purified from <i>Brevibacillus brevis</i> strain FF02B. <i>Biochimie</i> , 2014, 103, 50-60.	1.3	31

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19	Extruded filaments derived 3D printed medicated skin patch to mitigate destructive pulmonary tuberculosis: design to delivery. Expert Opinion on Drug Delivery, 2021, 18, 301-313.	2.4	31
20	Synthesis and Characterization of Poly(acrylic acid)/modified Bentonite Superabsorbent Polymer. International Journal of Polymeric Materials and Polymeric Biomaterials, 2011, 60, 1015-1025.	1.8	28
21	Accelerated stability testing of a transdermal patch composed of eserine and pralidoxime chloride for prophylaxis against (A±)-anatoxin A poisoning. Journal of Food and Drug Analysis, 2014, 22, 264-270.	0.9	28
22	Tranexamic acid loaded gellan gum-based polymeric microbeads for controlled release: In vitro and in vivo assessment. Colloids and Surfaces B: Biointerfaces, 2013, 112, 483-491.	2.5	27
23	A RP-HPLC method for quantification of diclofenac sodium released from biological macromolecules. International Journal of Biological Macromolecules, 2013, 58, 354-359.	3.6	27
24	Formulation and Intracellular Trafficking of Lipid-Drug Conjugate Nanoparticles Containing a Hydrophilic Antitubercular Drug for Improved Intracellular Delivery to Human Macrophages. ACS Omega, 2020, 5, 4433-4448.	1.6	27
25	Deoxynivalenol induces cytotoxicity and genotoxicity in animal primary cell culture. Toxicology Mechanisms and Methods, 2015, 25, 184-191.	1.3	26
26	Dietary-induced cancer prevention: An expanding research arena of emerging diet related to healthcare system. Journal of Advanced Pharmaceutical Technology and Research, 2012, 3, 16-24.	0.4	26
27	3D printing of immediate-release tablets containing olanzapine by filaments extrusion. Drug Development and Industrial Pharmacy, 2021, 47, 1200-1208.	0.9	25
28	Lipid-drug conjugates: a potential nanocarrier system for oral drug delivery applications. DARU, Journal of Pharmaceutical Sciences, 2018, 26, 65-75.	0.9	21
29	Lipidic nanomaterials to deliver natural compounds against cancer: a review. Environmental Chemistry Letters, 2020, 18, 1803-1812.	8.3	19
30	3D printing of nanocomposite pills through desktop vat photopolymerization (stereolithography) for drug delivery reasons. 3D Printing in Medicine, 2022, 8, 3.	1.7	19
31	Quercetin and piperine enriched nanostructured lipid carriers (NLCs) to improve apoptosis in oral squamous cellular carcinoma (FaDu cells) with improved biodistribution profile. European Journal of Pharmacology, 2021, 909, 174400.	1.7	17
32	Selective laser sintering (SLS) of 3D printlets using a 3D printer comprised of IR/red-diode laser. Annals of 3D Printed Medicine, 2022, 6, 100054.	1.6	17
33	Ultra low concentration deltamethrin loaded patch development and evaluation of its repellency against dengue vector Aedes (S) albopictus. Parasites and Vectors, 2013, 6, 284.	1.0	15
34	Computational identification of natural product leads that inhibit mast cell chymase: an exclusive plausible treatment for Japanese encephalitis. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1203-1212.	2.0	15
35	Nanostructured lipid carriers as a strategy for encapsulation of active plant constituents: Formulation and in vitro physicochemical characterizations. Chemistry and Physics of Lipids, 2021, 235, 105037.	1.5	13
36	Merged experimental guided computational strategy toward tuberculosis treatment mediated by alveolar macrophages mannose receptor. Journal of Biomolecular Structure and Dynamics, 2020, 38, 5195-5203.	2.0	12

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37	Current Pharmaceutical Design on Adhesive Based Transdermal Drug Delivery Systems. Current Pharmaceutical Design, 2015, 21, 2771-2783.	0.9	11
38	Extraction of small molecule from human plasma by prototyping 3D printed sorbent through extruded filament for LC-MS/MS analysis. Analytica Chimica Acta, 2021, 1187, 339142.	2.6	11
39	Fabrication and assessment of polyacrylate/(guar gum modified bentonite) superabsorbent polymeric composite. Journal of Polymer Engineering, 2011, 31, .	0.6	10
40	3D Printed Housing Devices for Segregated Compartmental Delivery of Oral Fixed-Dose Anti-Tubercular Drugs Adopting Print and Fill Strategy. 3D Printing and Additive Manufacturing, 2022, 9, 535-546.	1.4	9
41	Protection by a transdermal patch containing eserine and pralidoxime chloride for prophylaxis against ($\Delta\pm$)-Anatoxin A poisoning in rats. European Journal of Pharmaceutical Sciences, 2014, 56, 28-36.	1.9	8
42	Acute and subchronic dermal toxicity of <i>Vitex negundo</i> essential oil. Cutaneous and Ocular Toxicology, 2014, 33, 16-21.	0.5	8
43	Subchronic dermal exposure to T-2 toxin produces cardiac toxicity in experimental Wistar rats. Toxicology and Industrial Health, 2016, 32, 485-492.	0.6	8
44	Immunonano-Lipocarrier-Mediated Liver Sinusoidal Endothelial Cell-Specific RUNX1 Inhibition Impedes Immune Cell Infiltration and Hepatic Inflammation in Murine Model of NASH. International Journal of Molecular Sciences, 2021, 22, 8489.	1.8	8
45	3D printing and enteric coating of a hollow capsular device with controlled drug release characteristics prepared using extruded Eudragit® filaments. Pharmaceutical Development and Technology, 2021, 26, 1010-1020.	1.1	8
46	Theoretical and experimental validation of praziquantel with different polymers for selection of an appropriate matrix for hot-melt extrusion. International Journal of Pharmaceutics, 2021, 607, 120964.	2.6	8
47	Fused deposition modeling (FDM)-mediated 3D-printed mouth-dissolving wafers loaded with nanostructured lipid carriers (NLCs) for in vitro release. Journal of Materials Research, 2021, 36, 3963-3973.	1.2	7
48	In Vitro and In Vivo Evaluations of Berberine-Loaded Microparticles Filled In-House 3D Printed Hollow Capsular Device for Improved Oral Bioavailability. AAPS PharmSciTech, 2022, 23, 89.	1.5	7
49	Pharmacokinetic and biodistribution study of eserine and pralidoxime chloride in rabbits following a single application of a transdermal patch. European Journal of Drug Metabolism and Pharmacokinetics, 2016, 41, 219-230.	0.6	6
50	Polysaccharide installed lipid nanoparticles in targeted antituberculosis drug delivery applications. , 2019, , 397-411.		6
51	Design and evaluation of anti-fibrosis drug engineered resealed erythrocytes for targeted delivery. Drug Delivery and Translational Research, 2019, 9, 997-1007.	3.0	6
52	Synthesis, Characterizations, and Use of O-Stearoyl Mannose Ligand-Engineered Lipid Nanoarchitectonics for Alveolar Macrophage Targeting. Assay and Drug Development Technologies, 2020, 18, 249-260.	0.6	5
53	Stereolithography-assisted fabrication of 3D printed polymeric film for topical berberine delivery: in-vitro, ex-vivo and in-vivo investigations. Journal of Pharmacy and Pharmacology, 2022, 74, 1477-1488.	1.2	5
54	Evaluation of the mutagenic potential of a combinational prophylactic transdermal patch by Ames test. Immuno-Analyse Et Biologie Specialisee, 2013, 28, 322-326.	0.0	4

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55	Development and Validation of a Reverse Phase Liquid Chromatography Method for the Simultaneous Quantification of Eserine and Pralidoxime Chloride in Drugs-in-Adhesive Matrix Type Transdermal Patches. Drug Research, 2013, 63, 450-456.	0.7	4
56	Skin permeation of buflomedil form adhesive matrix patches. Journal of Adhesion Science and Technology, 2015, 29, 925-942.	1.4	4
57	Lipid Nanoarchitectonics for Natural Products Delivery in Cancer Therapy. Sustainable Agriculture Reviews, 2020, , 169-203.	0.6	4
58	Exploration of theoretical and practical evaluation on Kollidon®SR matrix mediated amorphous filament extrusion of norfloxacin by melt extrusion. Journal of Drug Delivery Science and Technology, 2022, 67, 102894.	1.4	4
59	Influence on variation in process parameters for the design of xanthan-gum-facilitated ethyl cellulose microparticles for intestinal specific delivery. Science and Engineering of Composite Materials, 2013, 20, 23-33.	0.6	3
60	Systematic evaluations of melt-extruded filament for fused deposition modeling-mediated 3D printing. Journal of 3D Printing in Medicine, 2022, 6, 77-94.	1.0	3
61	Design, Development, and Delivery of Salbutamol Sulfate from an Adhesive Matrix System. Journal of Adhesion, 2016, 92, 147-169.	1.8	2
62	Exploration of Mucuna pruriens (Linn) starch powder formulations as a natural non-lethal riot control agent. Toxicology and Environmental Health Sciences, 2020, 12, 125-130.	1.1	2
63	Pharmacoengineered Lipid Core-Shell Nanoarchitectonics to Influence Human Alveolar Macrophages Uptake for Drug Targeting Against Tuberculosis. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 3276-3291.	1.9	2
64	Customized 3D-printed hollow capsular device filled with norfloxacin-loaded micropellets for controlled-release delivery. Drug Delivery and Translational Research, 0, , .	3.0	2
65	Development and validation of UPLC-MS/MS method for in vitro quantitative analysis of pyrazinamide in lipid core-shell nanoarchitectonics for improved metabolic stability. Acta Chromatographica, 2021, , .	0.7	1
66	A sensitive UPLC/ESI/MS/MS method for concomitant quantification of active plant constituent combinations in rat plasma after single oral administration. Analytical Methods, 2022, 14, 834-842.	1.3	1
67	Nootkatone Essential Oil-Encapsulated Lipid Nanoparticles Interaction with Rat Cardiomyoblast (H9c2) Cells. Applied in Vitro Toxicology, 2022, 8, 14-23.	0.6	1
68	Heparin and Its Derivatives-Based Nanoparticles for Cancer Therapy. , 2018, , 81-104.		0
69	Pharmaceutical Applications of Xanthan Gum. , 2019, , 165-191.		0
70	Pharmacoengineering: A New Frontier in Cutting-Edge Translational Pharmaceutical Research in India. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 0, , 1.	0.4	0