

Kalyan Kumar Sen

List of Publications by Year in descending order

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49
papers

2,324
citations

218677

26
h-index

302126

39
g-index

52
all docs

52
docs citations

52
times ranked

2801
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on thermoresponsive polymers: Phase behaviour, drug delivery and biomedical applications. Asian Journal of Pharmaceutical Sciences, 2015, 10, 99-107.	9.1	417
2	Formulation, optimization and evaluation of transferosomal gel for transdermal insulin delivery. Saudi Pharmaceutical Journal, 2012, 20, 355-363.	2.7	200
3	Carbopol gel containing chitosan-egg albumin nanoparticles for transdermal aceclofenac delivery. Colloids and Surfaces B: Biointerfaces, 2014, 114, 36-44.	5.0	187
4	Aceclofenac-loaded chitosan-tamarind seed polysaccharide interpenetrating polymeric network microparticles. Colloids and Surfaces B: Biointerfaces, 2013, 105, 303-309.	5.0	133
5	Aceclofenac-loaded unsaturated esterified alginate/gellan gum microspheres: In vitro and in vivo assessment. International Journal of Biological Macromolecules, 2013, 57, 129-137.	7.5	111
6	Development of chitosan-based nanoparticles through inter-polymeric complexation for oral drug delivery. Carbohydrate Polymers, 2013, 98, 870-876.	10.2	110
7	Transferosomal gel for transdermal delivery of risperidone: Formulation optimization and ex vivo permeation. Journal of Drug Delivery Science and Technology, 2017, 38, 59-71.	3.0	88
8	In-vitro release of acyclovir loaded Eudragit RLPO® nanoparticles for sustained drug delivery. International Journal of Biological Macromolecules, 2014, 67, 478-482.	7.5	87
9	Development and characterization of alginate coated low molecular weight chitosan nanoparticles as new carriers for oral vaccine delivery in mice. Carbohydrate Polymers, 2015, 121, 403-410.	10.2	79
10	Development of hydroxyapatite-ciprofloxacin bone-implants using "Quality by design". Acta Pharmaceutica, 2011, 61, 25-36.	2.0	67
11	Synthesis and Characterization of Poly(acrylic acid)/Poly(vinyl alcohol)-xanthan Gum Interpenetrating Network (IPN) Superabsorbent Polymeric Composites. Polymer-Plastics Technology and Engineering, 2012, 51, 878-884.	1.9	64
12	Interpenetrating hydrogels of O-carboxymethyl Tamarind gum and alginate for monitoring delivery of acyclovir. International Journal of Biological Macromolecules, 2016, 92, 1034-1039.	7.5	58
13	Alginate Based Nanocarriers for Drug Delivery Applications. Current Pharmaceutical Design, 2016, 22, 3399-3410.	1.9	58
14	Preparation, in vitro and in vivo evaluation of algino-pectinate bioadhesive microspheres: An investigation of the effects of polymers using multiple comparison analysis. Acta Pharmaceutica, 2010, 60, 255-266.	2.0	55
15	Metal ion-induced alginate locust bean gum IPN microspheres for sustained oral delivery of aceclofenac. International Journal of Biological Macromolecules, 2015, 72, 47-53.	7.5	51
16	Development of topical gel containing aceclofenac-crospovidone solid dispersion by "Quality by Design (QbD)" approach. Chemical Engineering Research and Design, 2014, 92, 2095-2105.	5.6	49
17	Chitosan " Locust bean gum interpenetrating polymeric network nanocomposites for delivery of aceclofenac. International Journal of Biological Macromolecules, 2017, 102, 878-884.	7.5	49
18	Novel alginate hydrogel core-shell systems for combination delivery of ranitidine HCl and aceclofenac. International Journal of Biological Macromolecules, 2015, 74, 85-92.	7.5	47

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19	Gellan gum microspheres containing a novel α -amylase from marine <i>Nocardiopsis</i> sp. strain B2 for immobilization. <i>International Journal of Biological Macromolecules</i> , 2014, 70, 292-299.	7.5	45
20	Development and Evaluation of Microemulsions for Transdermal Delivery of Insulin. <i>ISRN Pharmaceutics</i> , 2011, 2011, 1-7.	1.0	40
21	Biosurfactant produced from <i>Actinomycetes nocardioopsis</i> A17: Characterization and its biological evaluation. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 405-412.	7.5	35
22	Smart karaya-locust bean gum hydrogel particles for the treatment of hypertension: Optimization by factorial design and pre-clinical evaluation. <i>Carbohydrate Polymers</i> , 2019, 210, 274-288.	10.2	33
23	Gelatin-carboxymethyl tamarind gum biocomposites: In vitro characterization & anti-inflammatory pharmacodynamics. <i>Materials Science and Engineering C</i> , 2016, 69, 478-485.	7.3	32
24	Effects of drug solubility on the release kinetics of water soluble and insoluble drugs from HPMC based matrix formulations. <i>Acta Pharmaceutica</i> , 2009, 59, 313-323.	2.0	31
25	Synthesis and Characterization of Poly(acrylic acid)/modified Bentonite Superabsorbent Polymer. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2011, 60, 1015-1025.	3.4	28
26	In vitro aceclofenac release from IPN matrix tablets composed of chitosan-tamarind seed polysaccharide. <i>International Journal of Biological Macromolecules</i> , 2014, 65, 241-245.	7.5	28
27	Novel propyl karaya gum nanogels for bosentan: In vitro and in vivo drug delivery performance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 263-272.	5.0	25
28	<i>In Vivo</i> Ciprofloxacin Release from Hydroxyapatite-Based Bone Implants in Rabbit Tibia: A Preliminary Study. <i>ISRN Orthopedics</i> , 2011, 2011, 1-4.	0.8	24
29	Aquasomes: A novel nanoparticulate drug carrier. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 43, 446-452.	3.0	20
30	Gellan gum/PVA Interpenetrating Network Micro-beads for Sustained Drug Delivery. <i>Materials Today: Proceedings</i> , 2019, 11, 614-619.	1.8	11
31	Guar gum in drug delivery applications. , 2019, , 187-201.		10
32	Preparation and characterization of vetiver oil encapsulated polymeric microcapsules for sedative and hypnotic activity. <i>International Journal of Research in Pharmaceutical Sciences</i> , 2019, 10, 3616-3625.	0.1	10
33	Metabolic syndrome-associated cognitive decline in mice: Role of minocycline. <i>Indian Journal of Pharmacology</i> , 2018, 50, 61.	0.7	10
34	Modified karaya gum colloidal particles for the management of systemic hypertension. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1889-1897.	7.5	7
35	Gellan gum (GG)-based IPN microbeads for sustained drug release. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 69, 103034.	3.0	5
36	Binding Studies of Lamotrigine with Sera of Different Animal Species. <i>Tropical Journal of Pharmaceutical Research</i> , 2009, 8, .	0.3	3

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37	Structure-Toxicity Relationship of Chemically Modified Chitosan as an Oral Protein Drug Delivery Carrier. <i>Journal of Pharmaceutical Sciences and Pharmacology</i> , 2014, 1, 131-140.	0.2	3
38	DEVELOPMENT AND EVALUATION OF SUSTAIN RELEASE MICROPARTICLES OF METOPROPROLOL SUCCINATE. <i>International Journal of Applied Pharmaceutics</i> , 0, , 166-172.	0.3	3
39	Chitosan-Based Interpenetrating Polymer Networks: Drug Delivery Application. , 2019, , 269-295.		3
40	In silico molecular docking of Vetiver oil and formulation of Vetiver oil-Encapsulated gellan gum-based Microcapsules for Antidepressant activity. <i>Research Journal of Pharmacy and Technology</i> , 2020, 13, 3135.	0.8	2
41	DEVELOPMENT AND CHARACTERIZATION OF NOVEL HERBAL FORMULATION (POLYMERIC MICROSPHERES) OF SYZYGIUM CUMINI SEED EXTRACT. <i>International Journal of Applied Pharmaceutics</i> , 2018, 10, 226.	0.3	1
42	PHARMACOGNOSTICAL EVALUATION, IN VITRO ANTIOXIDANT EFFECTS OF SYZYGIUM CUMINI LINN. SEED EXTRACT, AND THE POTENTIAL ROLE OF THIS EXTRACT AS HYPOGLYCEMIC AGENT IN ALLOXAN-INDUCED DIABETIC RATS. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2018, 11, 155.	0.3	1
43	Introduction to Novel Therapeutic Carriers. , 2017, , 1-24.		0
44	Chitosan-based particulate composites: drug delivery and biomedical potential. , 2019, , 477-513.		0
45	Interpenetrating polysaccharide networks as oral drug delivery modalities. , 2019, , 319-338.		0
46	Locust Bean Gum (LBC)-Based Systems: Drug Delivery Applications. , 2015, , 1-7.		0
47	Nonsteroidal Anti-Inflammatory Drug (NSAID) Delivery: Biopolymer-Based Systems. , 2015, , 1-10.		0
48	Effect of Metabolic Syndrome on Depression in Mice. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2017, 51, s645-s652.	0.6	0
49	Evaluation of acute oral toxicity of ethanolic extract of Terminalia tomentosa (Roxb.) stem bark in Swiss albino mice. <i>Asian Journal of Pharmacy and Pharmacology</i> , 2019, 5, 559-564.	0.1	0