

Dilipkumar Pal

List of Publications by Year in descending order

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76
papers

4,092
citations

172207

29
h-index

138251

58
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78
all docs

78
docs citations

78
times ranked

3963
citing authors

#	ARTICLE	IF	CITATIONS
1	Free radicals, natural antioxidants, and their reaction mechanisms. RSC Advances, 2015, 5, 27986-28006.	1.7	1,313
2	Development of pH-sensitive tamarind seed polysaccharide- α -alginate composite beads for controlled diclofenac sodium delivery using response surface methodology. International Journal of Biological Macromolecules, 2011, 49, 784-793.	3.6	221
3	Fenugreek seed mucilage-alginate mucoadhesive beads of metformin HCl: Design, optimization and evaluation. International Journal of Biological Macromolecules, 2013, 54, 144-154.	3.6	151
4	Novel tamarind seed polysaccharide-alginate mucoadhesive microspheres for oral gliclazide delivery: <i>in vitro</i> - <i>in vivo</i> evaluation. Drug Delivery, 2012, 19, 123-131.	2.5	136
5	Development of cloxacillin loaded multiple-unit alginate-based floating system by emulsion-gelation method. International Journal of Biological Macromolecules, 2012, 50, 138-147.	3.6	111
6	Tamarind seed polysaccharide-gellan mucoadhesive beads for controlled release of metformin HCl. Carbohydrate Polymers, 2014, 103, 154-163.	5.1	111
7	Development, Optimization, and Anti-diabetic Activity of Gliclazide-Loaded Alginate-Methyl Cellulose Mucoadhesive Microcapsules. AAPS PharmSciTech, 2011, 12, 1431-1441.	1.5	110
8	Calcium pectinate-fenugreek seed mucilage mucoadhesive beads for controlled delivery of metformin HCl. Carbohydrate Polymers, 2013, 96, 349-357.	5.1	110
9	Swelling and drug release behavior of metformin HCl-loaded tamarind seed polysaccharide-alginate beads. International Journal of Biological Macromolecules, 2016, 82, 1023-1027.	3.6	107
10	Formulation optimization and evaluation of jackfruit seed starch- α -alginate mucoadhesive beads of metformin HCl. International Journal of Biological Macromolecules, 2013, 59, 264-272.	3.6	99
11	Biological activities and medicinal properties of <i>Cajanus cajan</i> (L) Millsp.. Journal of Advanced Pharmaceutical Technology and Research, 2011, 2, 207.	0.4	98
12	Development of calcium pectinate-tamarind seed polysaccharide mucoadhesive beads containing metformin HCl. Carbohydrate Polymers, 2014, 101, 220-230.	5.1	94
13	Screening of polysaccharides from tamarind, fenugreek and jackfruit seeds as pharmaceutical excipients. International Journal of Biological Macromolecules, 2015, 79, 756-760.	3.6	94
14	Ispaghula mucilage-gellan mucoadhesive beads of metformin HCl: Development by response surface methodology. Carbohydrate Polymers, 2014, 107, 41-50.	5.1	91
15	Trigonella foenum-graecum L. seed mucilage-gellan mucoadhesive beads for controlled release of metformin HCl. Carbohydrate Polymers, 2014, 107, 31-40.	5.1	80
16	Evaluation of <i>Spinacia oleracea</i> L. leaves mucilage as an innovative suspending agent. Journal of Advanced Pharmaceutical Technology and Research, 2010, 1, 338.	0.5	75
17	Blends of jackfruit seed starch-pectin in the development of mucoadhesive beads containing metformin HCl. International Journal of Biological Macromolecules, 2013, 62, 137-145.	3.6	74
18	Development, Optimization and <i>in vitro</i> - <i>in vivo</i> Evaluation of Pioglitazone- Loaded Jackfruit Seed Starch-Alginate Beads. Current Drug Delivery, 2013, 10, 608-619.	0.8	70

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19	Development of pectinate-ispagula mucilage mucoadhesive beads of metformin HCl by central composite design. <i>International Journal of Biological Macromolecules</i> , 2014, 66, 203-211.	3.6	69
20	<i>Artocarpus heterophyllus</i> L. seed starch-blended gellan gum mucoadhesive beads of metformin HCl. <i>International Journal of Biological Macromolecules</i> , 2014, 65, 329-339.	3.6	69
21	Development, optimization, and evaluation of emulsion-gelled floating beads using natural polysaccharide blend for controlled drug release. <i>Polymer Engineering and Science</i> , 2013, 53, 238-250.	1.5	60
22	Potato starch-blended alginate beads for prolonged release of tolbutamide: Development by statistical optimization and in vitro characterization. <i>Asian Journal of Pharmaceutics (discontinued)</i> , 2013, 7, 43.	0.4	59
23	Hydroxamic acid - A novel molecule for anticancer therapy. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2012, 3, 92.	0.4	42
24	Soluble starch-blended Ca ²⁺ -Zn ²⁺ -alginate composites-based microparticles of aceclofenac: Formulation development and in vitro characterization. <i>Future Journal of Pharmaceutical Sciences</i> , 2018, 4, 63-70.	1.1	40
25	Chondroitin: a natural biomarker with immense biomedical applications. <i>RSC Advances</i> , 2019, 9, 28061-28077.	1.7	39
26	Anticancer, Anti-Inflammatory, and Analgesic Activities of Synthesized 2-(Substituted phenoxy) Acetamide Derivatives. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	36
27	Synthesis, characterization, antimicrobial, and pharmacological evaluation of some 2, 5-disubstituted sulfonyl amino 1,3,4-oxadiazole and 2-amino-disubstituted 1,3,4-thiadiazole derivatives. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2014, 5, 196.	0.4	35
28	Acetamides: chemotherapeutic agents for inflammation-associated cancers. <i>Journal of Chemotherapy</i> , 2016, 28, 255-265.	0.7	35
29	<i>Sterculia</i> Gum-Based Hydrogels for Drug Delivery Applications. <i>Springer Series on Polymer and Composite Materials</i> , 2016, , 105-151.	0.5	33
30	Dietary-induced cancer prevention: An expanding research arena of emerging diet related to healthcare system. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2012, 3, 16-24.	0.4	26
31	Functionalization of Tamarind Gum for Drug Delivery. <i>Springer Series on Polymer and Composite Materials</i> , 2018, , 25-56.	0.5	21
32	Analgesic and anticonvulsant effects of saponin isolated from the leaves of <i>Clerodendrum infortunatum</i> Linn. in mice. <i>Indian Journal of Experimental Biology</i> , 2009, 47, 743-7.	0.5	21
33	Developments in the HCV Screening Technologies Based on the Detection of Antigens and Antibodies. <i>Sensors</i> , 2019, 19, 4257.	2.1	20
34	Evaluation of CNS activities of ethanol extract of roots and rhizomes of <i>Cyperus rotundus</i> in mice. <i>Acta Poloniae Pharmaceutica</i> , 2009, 66, 535-41.	0.3	20
35	Alginates, Blends and Microspheres: Controlled Drug Delivery. , 0, , 89-98.		18
36	Design, synthesis and antiproliferative activity of hydroxyacetamide derivatives against HeLa cervical carcinoma cell and breast cancer cell line. <i>Tropical Journal of Pharmaceutical Research</i> , 2016, 15, 1401.	0.2	18

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37	Evaluation of psychopharmacological effects of petroleum ether extract of <i>Cuscuta reflexa</i> Roxb. stem in mice. <i>Acta Poloniae Pharmaceutica</i> , 2003, 60, 481-6.	0.3	18
38	Cellulose-Based Hydrogels: Present and Future. , 2019, , 285-332.		16
39	CNS depressant activities of roots of <i>Cocos nucifera</i> in mice. <i>Acta Poloniae Pharmaceutica</i> , 2011, 68, 249-54.	0.3	16
40	<i>Plantago ovata</i> F. Mucilage-Alginate Mucoadhesive Beads for Controlled Release of Glibenclamide: Development, Optimization, and In Vitro-In Vivo Evaluation. <i>Journal of Pharmaceutics</i> , 2013, 2013, 1-11.	4.6	15
41	Design, <i>in silico</i> studies, and synthesis of new 1,8-naphthyridine-3-carboxylic acid analogues and evaluation of their H1R antagonism effects. <i>RSC Advances</i> , 2020, 10, 13907-13921.	1.7	15
42	Indazole-based microtubule-targeting agents as potential candidates for anticancer drugs discovery. <i>Bioorganic Chemistry</i> , 2022, 122, 105735.	2.0	14
43	Synthesis and Characterization of Graft Copolymers of Plant Polysaccharides. , 2018, , 1-62.		13
44	Gum-based hydrogels in drug delivery. , 2020, , 605-645.		13
45	Gamma Secretase Inhibitor: Therapeutic Target via NOTCH Signaling in T Cell Acute Lymphoblastic Leukemia. <i>Current Drug Targets</i> , 2021, 22, 1789-1798.	1.0	13
46	Plant-Derived Polymers: Ionically Gelled Sustained Drug Release Systems. , 0, , 6002-6017.		10
47	Recent Advances in the Discovery of GSK-3 Inhibitors from Synthetic Origin in the Treatment of Neurological Disorders. <i>Current Drug Targets</i> , 2021, 22, 1437-1462.	1.0	10
48	Interpenetrating Polymer Networks (IPNs): Natural Polymeric Blends for Drug Delivery. , 0, , 4120-4130.		9
49	Biological macromolecules in drug delivery. , 2022, , 339-379.		9
50	Gelled Microparticles/Beads of Sterculia Gum and Tamarind Gum for Sustained Drug Release. <i>Gels Horizons: From Science To Smart Materials</i> , 2018, , 361-414.	0.3	8
51	A preliminary study on the in vitro antioxidant activity of the stems of <i>opuntia vulgaris</i> . <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2010, 1, 268-72.	0.4	8
52	Fenugreek (<i>Trigonella foenum</i>) Seeds in Health and Nutrition. , 2020, , 161-170.		7
53	Leuckart Synthesis and Pharmacological Assessment of Novel Acetamide Derivatives. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016, 16, 898-906.	0.9	7
54	Plant Polysaccharides in Pharmaceutical Applications. <i>Advanced Structured Materials</i> , 2021, , 93-125.	0.3	7

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55	Importance of Indazole against Neurological Disorders. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 1136-1151.	1.0	7
56	Chemical and toxicological evaluation of methanol extract of <i>Cuscuta reflexa</i> Roxb. stem and <i>Corchorus olitorius</i> Linn. seed on hematological parameters and hepatorenal functions in mice. <i>Acta Poloniae Pharmaceutica</i> , 2003, 60, 317-23.	0.3	6
57	Fractionation of stigmasterol derivative and study of the effects of <i>Celsia coromandelina</i> aerial parts petroleum ether extract on appearance of puberty and ovarian steroidogenesis in immature mice. <i>Pharmaceutical Biology</i> , 2012, 50, 747-753.	1.3	5
58	Gellan gum-based nanomaterials in drug delivery applications. , 2021, , 313-336.		5
59	Insight β -Secretase: Structure, Function, and Role in Alzheimer's Disease. <i>Current Drug Targets</i> , 2021, 22, 1376-1403.	1.0	5
60	Interpenetrating Polymer Network Hydrogels of Chitosan: Applications in Controlling Drug Release. <i>Polymers and Polymeric Composites</i> , 2018, , 1-41.	0.6	4
61	Interpenetrating Polymer Network Hydrogels of Chitosan: Applications in Controlling Drug Release. <i>Polymers and Polymeric Composites</i> , 2019, , 1727-1767.	0.6	4
62	Current Status and Prospects of Chitosan: Metal Nanoparticles and Their Applications as Nanotheranostic Agents. , 2019, , 79-114.		4
63	Gymnemic Acids: Sources, Properties, and Biotechnological Production. , 2020, , 177-193.		4
64	CNS activities of <i>Celsia coromandeliana</i> Vahl. in mice. <i>Acta Poloniae Pharmaceutica</i> , 2005, 62, 355-61.	0.3	4
65	Glycogen Synthase Kinase-3 (GSK-3) Inhibitors as a New Lead for Treating Breast and Ovarian Cancer. <i>Current Drug Targets</i> , 2021, 22, 1548-1554.	1.0	3
66	Tannins and Polyphenols Extracted from Natural Plants and Their Versatile Application. <i>Advanced Structured Materials</i> , 2021, , 715-757.	0.3	3
67	Natural Compounds Extracted from Medicinal Plants and Their Immunomodulatory Activities. <i>Advanced Structured Materials</i> , 2021, , 197-261.	0.3	3
68	Indazole Derivatives Effective against Gastrointestinal Diseases. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 1189-1214.	1.0	2
69	Combination Therapy of Ledipasvir and Itraconazole in the Treatment of COVID-19 Patients Coinfected with Black Fungus: An In Silico Statement. <i>BioMed Research International</i> , 2022, 2022, 1-10.	0.9	2
70	Ionically Gelled Pectinates in Drug Delivery. <i>Gels Horizons: From Science To Smart Materials</i> , 2021, , 1-28.	0.3	0
71	Ionic Gelled Chitosan for Drug Delivery. <i>Gels Horizons: From Science To Smart Materials</i> , 2021, , 71-91.	0.3	0
72	Medicinal Attribution of Ginsenoside: A Huge Source of Plant Bioactive Compound. <i>Advanced Structured Materials</i> , 2021, , 845-862.	0.3	0

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73	Capillary Electrophoresis: A New Evolutionary Platform of Plant Secondary Metabolites. <i>Advanced Structured Materials</i> , 2021, , 287-309.	0.3	0
74	Elicitor Signal Transduction Leading to the Production of Plant Secondary Metabolites. <i>Advanced Structured Materials</i> , 2021, , 1-39.	0.3	0
75	Protein and Enzymes Isolated from Plant Sources and Their Utilization in Pharmaceutical Field. <i>Advanced Structured Materials</i> , 2021, , 793-818.	0.3	0
76	Biological macromolecules acting on gastrointestinal systems. , 2022, , 289-304.		0