

Dilipkumar Pal

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

3,074
citations

25
h-index

55
g-index

78
ext. papers

3,474
ext. citations

3.6
avg, IF

6.09
L-index

#	Paper	IF	Citations
76	Free radicals, natural antioxidants, and their reaction mechanisms. <i>RSC Advances</i> , 2015 , 5, 27986-28006	3.7	886
75	Development of pH-sensitive tamarind seed polysaccharide-alginate composite beads for controlled diclofenac sodium delivery using response surface methodology. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 784-93	7.9	191
74	Fenugreek seed mucilage-alginate mucoadhesive beads of metformin HCl: Design, optimization and evaluation. <i>International Journal of Biological Macromolecules</i> , 2013 , 54, 144-54	7.9	119
73	Novel tamarind seed polysaccharide-alginate mucoadhesive microspheres for oral gliclazide delivery: in vitro-in vivo evaluation. <i>Drug Delivery</i> , 2012 , 19, 123-31	7	111
72	Development of cloxacillin loaded multiple-unit alginate-based floating system by emulsion-gelation method. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 138-47	7.9	100
71	Development, optimization, and anti-diabetic activity of gliclazide-loaded alginate-methyl cellulose mucoadhesive microcapsules. <i>AAPS PharmSciTech</i> , 2011 , 12, 1431-41	3.9	98
70	Tamarind seed polysaccharide-gellan mucoadhesive beads for controlled release of metformin HCl. <i>Carbohydrate Polymers</i> , 2014 , 103, 154-63	10.3	94
69	Calcium pectinate-fenugreek seed mucilage mucoadhesive beads for controlled delivery of metformin HCl. <i>Carbohydrate Polymers</i> , 2013 , 96, 349-57	10.3	92
68	Swelling and drug release behavior of metformin HCl-loaded tamarind seed polysaccharide-alginate beads. <i>International Journal of Biological Macromolecules</i> , 2016 , 82, 1023-7	7.9	89
67	Formulation optimization and evaluation of jackfruit seed starch-alginate mucoadhesive beads of metformin HCl. <i>International Journal of Biological Macromolecules</i> , 2013 , 59, 264-72	7.9	84
66	Development of calcium pectinate-tamarind seed polysaccharide mucoadhesive beads containing metformin HCl. <i>Carbohydrate Polymers</i> , 2014 , 101, 220-30	10.3	79
65	Screening of polysaccharides from tamarind, fenugreek and jackfruit seeds as pharmaceutical excipients. <i>International Journal of Biological Macromolecules</i> , 2015 , 79, 756-60	7.9	79
64	Ispaghula mucilage-gellan mucoadhesive beads of metformin HCl: development by response surface methodology. <i>Carbohydrate Polymers</i> , 2014 , 107, 41-50	10.3	77
63	Trigonella foenum-graecum L. seed mucilage-gellan mucoadhesive beads for controlled release of metformin HCl. <i>Carbohydrate Polymers</i> , 2014 , 107, 31-40	10.3	68
62	Blends of jackfruit seed starch-pectin in the development of mucoadhesive beads containing metformin HCl. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 137-45	7.9	65
61	Evaluation of Spinacia oleracea L. leaves mucilage as an innovative suspending agent. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2010 , 1, 338-41		64
60	Development, optimization and in vitro-in vivo evaluation of pioglitazone- loaded jackfruit seed starch-alginate beads. <i>Current Drug Delivery</i> , 2013 , 10, 608-19	3.2	63

59	Development of pectinate-ispagula mucilage mucoadhesive beads of metformin HCl by central composite design. <i>International Journal of Biological Macromolecules</i> , 2014 , 66, 203-11	7.9	61
58	Artocarpus heterophyllus L. seed starch-blended gellan gum mucoadhesive beads of metformin HCl. <i>International Journal of Biological Macromolecules</i> , 2014 , 65, 329-39	7.9	60
57	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	0.5	55
56	Biological activities and medicinal properties of Cajanus cajan (L) Millsp. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2011 , 2, 207-14	2.1	55
55	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	2.3	52
54	Hydroxamic acid - A novel molecule for anticancer therapy. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2012 , 3, 92-9	2.1	36
53	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	2.1	35
52	Sterculia Gum-Based Hydrogels for Drug Delivery Applications. <i>Springer Series on Polymer and Composite Materials</i> , 2016 , 105-151	0.9	33
51	Anticancer, anti-inflammatory, and analgesic activities of synthesized 2-(substituted phenoxy) acetamide derivatives. <i>BioMed Research International</i> , 2014 , 2014, 386473	3	20
50	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	2.1	19
49	Analgesic and anticonvulsant effects of saponin isolated from the leaves of Clerodendrum infortunatum Linn. in mice. <i>Indian Journal of Experimental Biology</i> , 2009 , 47, 743-7		19
48	Chondroitin: a natural biomarker with immense biomedical applications.. <i>RSC Advances</i> , 2019 , 9, 28061-28077		16
47	Evaluation of CNS activities of ethanol extract of roots and rhizomes of Cyperus rotundus in mice. <i>Acta Poloniae Pharmaceutica</i> , 2009 , 66, 535-41	1.3	16
46	Alginates, Blends and Microspheres: Controlled Drug Delivery 2015 , 89-98		15
45	Evaluation of psychopharmacological effects of petroleum ether extract of Cuscuta reflexa Roxb. stem in mice. <i>Acta Poloniae Pharmaceutica</i> , 2003 , 60, 481-6	1.3	15
44	Acetamides: chemotherapeutic agents for inflammation-associated cancers. <i>Journal of Chemotherapy</i> , 2016 , 28, 255-65	2.3	14
43	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, 196-201	2.1	14
42	Plantago ovata 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, 151035	2	14

41	Developments in the HCV Screening Technologies Based on the Detection of Antigens and Antibodies. <i>Sensors</i> , 2019 , 19,	3.8	13
40	Design, 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	3.7	12
39	Cellulose-Based Hydrogels: Present and Future 2019 , 285-332		11
38	Synthesis and Characterization of Graft Copolymers of Plant Polysaccharides 2018 , 1-62		10
37	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	0.8	10
36	CNS depressant activities of roots of <i>Coccos nucifera</i> in mice. <i>Acta Poloniae Pharmaceutica</i> , 2011 , 68, 249-54	1.3	10
35	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		8
34	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	2.1	8
33	Interpenetrating Polymer Networks (IPNs): Natural Polymeric Blends for Drug Delivery 4120-4130		8
32	Functionalization of Tamarind Gum for Drug Delivery. <i>Springer Series on Polymer and Composite Materials</i> , 2018 , 25-56	0.9	8
31	Gum-based hydrogels in drug delivery 2020 , 605-645		7
30	Natural Starches-Blended Ionotropically Gelled Microparticles/Beads for Sustained Drug Release 2017 , 527-559		7
29	Plant Polysaccharides Blended Ionotropically Gelled Alginate Multiple Unit Systems for Sustained Drug Release 2017 , 399-440		7
28	Plant-Derived Polymers: Ionically Gelled Sustained Drug Release Systems 2016 , 6002-6017		6
27	Leuckart Synthesis and Pharmacological Assessment of Novel Acetamide Derivatives. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016 , 16, 898-906	2.2	5
26	Current Status and Prospects of Chitosan: Metal Nanoparticles and Their Applications as Nanotheranostic Agents 2019 , 79-114		4
25	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	3	4
24	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	1.3	4

23	Interpenetrating Polymer Network Hydrogels of Chitosan: Applications in Controlling Drug Release. <i>Polymers and Polymeric Composites</i> , 2019 , 1727-1767	0.6	3
22	Gamma Secretase Inhibitor: Therapeutic Target via NOTCH Signaling in T Cell Acute Lymphoblastic Leukemia. <i>Current Drug Targets</i> , 2021 , 22, 1789-1798	3	3
21	Fractionation of stigmasterol derivative and study of the effects of Celsia coromandelina aerial parts petroleum ether extract on appearance of puberty and ovarian steroidogenesis in immature mice. <i>Pharmaceutical Biology</i> , 2012 , 50, 747-53	3.8	2
20	Gymnemic Acids: Sources, Properties, and Biotechnological Production 2020 , 177-193		2
19	Plant Polysaccharides in Pharmaceutical Applications. <i>Advanced Structured Materials</i> , 2021 , 93-125	0.6	2
18	Gellan gum-based nanomaterials in drug delivery applications 2021 , 313-336		2
17	Interpenetrating Polymer Network Hydrogels of Chitosan: Applications in Controlling Drug Release. <i>Polymers and Polymeric Composites</i> , 2018 , 1-41	0.6	2
16	CNS activities of Celsia coromandeliana Vahl. in mice. <i>Acta Poloniae Pharmaceutica</i> , 2005 , 62, 355-61	1.3	2
15	Indazole-based microtubule-targeting agents as potential candidates for anticancer drugs discovery.. <i>Bioorganic Chemistry</i> , 2022 , 122, 105735	5.1	2
14	Fenugreek (<i>Trigonella foenum</i>) Seeds in Health and Nutrition 2020 , 161-170		1
13	Natural Compounds Extracted from Medicinal Plants and Their Immunomodulatory Activities. <i>Advanced Structured Materials</i> , 2021 , 197-261	0.6	1
12	Insight to Secretase: Structure, Function, and Role in Alzheimer's Disease. <i>Current Drug Targets</i> , 2021 , 22, 1376-1403	3	1
11	Biological macromolecules in drug delivery 2022 , 339-379		0
10	Tannins and Polyphenols Extracted from Natural Plants and Their Versatile Application. <i>Advanced Structured Materials</i> , 2021 , 715-757	0.6	0
9	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	3	0
8	Biological macromolecules acting on gastrointestinal systems 2022 , 289-304		
7	Medicinal Attribution of Ginsenoside: A Huge Source of Plant Bioactive Compound. <i>Advanced Structured Materials</i> , 2021 , 845-862	0.6	
6	Capillary Electrophoresis: A New Evolutionary Platform of Plant Secondary Metabolites. <i>Advanced Structured Materials</i> , 2021 , 287-309	0.6	

- 5 Elicitor Signal Transduction Leading to the Production of Plant Secondary Metabolites. *Advanced Structured Materials*, **2021**, 1-39 0.6
- 4 Protein and Enzymes Isolated from Plant Sources and Their Utilization in Pharmaceutical Field. *Advanced Structured Materials*, **2021**, 793-818 0.6
- 3 Ionically Gelled Pectinates in Drug Delivery. *Gels Horizons: From Science To Smart Materials*, **2021**, 1-28
- 2 Ionic Gelled Chitosan for Drug Delivery. *Gels Horizons: From Science To Smart Materials*, **2021**, 71-91
- 1 Combination Therapy of Ledipasvir and Itraconazole in the Treatment of COVID-19 Patients Coinfected with Black Fungus: An Statement.. *BioMed Research International*, **2022**, 2022, 5904261 3