

Pradip Kumar Dutta

List of Publications by Year in Descending Order

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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.

47
papers

3,448
citations

25
h-index

48
g-index

48
ext. papers

3,951
ext. citations

5.7
avg, IF

5.82
L-index

#	Paper	IF	Citations
47	Synthesis, characterization and application of chitosan-N-(4-hydroxyphenyl)-methacrylamide derivative as a drug and gene carrier. <i>International Journal of Biological Macromolecules</i> , 2021 ,	7.9	1
46	Chitosan modified by organo-functionalities as an efficient nanoplatform for anti-cancer drug delivery process. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 62, 102407	4.5	5
45	Preparation of Dextran Aldehyde and BSA Conjugates from Ligno-cellulosic Biowaste for Antioxidant and Anti-cancer Efficacy. <i>Waste and Biomass Valorization</i> , 2021 , 12, 1327-1339	3.2	2
44	Chitosan based ZnO nanoparticles loaded gallic-acid films for active food packaging. <i>Food Chemistry</i> , 2021 , 334, 127605	8.5	71
43	Thiol modified chitosan-silica nanohybrid for antibacterial, antioxidant and drug delivery application. <i>Journal of the Indian Chemical Society</i> , 2021 , 98, 100108		0
42	A photocatalyst-free visible-light-mediated solvent-switchable route to stilbenes/vinyl sulfones from Ehitrostyrenes and arylazo sulfones. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 6487-6492	3.9	1
41	A systematic study on chitosan-liposome based systems for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 470-481	7.9	31
40	Thioglycolic acid modified chitosan: a template for in-situ synthesis of CdSe QDs for cell imaging. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2020 , 57, 711-724	2.2	2
39	Natural Antioxidant and Antimicrobial Agents from Agrowastes: An Emergent Need to Food Packaging. <i>Waste and Biomass Valorization</i> , 2020 , 11, 1905-1916	3.2	5
38	Preparation, physicochemical and biological evaluation of quercetin based chitosan-gelatin film for food packaging. <i>Carbohydrate Polymers</i> , 2020 , 227, 115348	10.3	115
37	Green synthesis, characterization and biological evaluation of chitin glucan based zinc oxide nanoparticles and its curcumin conjugation. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 514-521	7.9	18
36	Improved antibacterial and antioxidant activities of gallic acid grafted chitin-glucan complex. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	17
35	Methyl methacrylate modified chitosan: Synthesis, characterization and application in drug and gene delivery. <i>Carbohydrate Polymers</i> , 2019 , 211, 109-117	10.3	44
34	In-vitro toxicity induced by quartz nanoparticles: Role of ER stress. <i>Toxicology</i> , 2018 , 404-405, 1-9	4.4	4
33	Synthesis of chitin-glucan-aldehyde-quercetin conjugate and evaluation of anticancer and antioxidant activities. <i>Carbohydrate Polymers</i> , 2018 , 193, 99-107	10.3	42
32	Curcumin loaded chitin-glucan quercetin conjugate: Synthesis, characterization, antioxidant, in vitro release study, and anticancer activity. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 234-244	7.9	23
31	Cu(II)-carboxymethyl chitosan-silane schiff base complex grafted on nano silica: Structural evolution, antibacterial performance and dye degradation ability. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 215-226	7.9	43

30	Phenolic compounds based conjugates from dextran aldehyde and BSA: Preparation, characterization and evaluation of their anti-cancer efficacy for therapeutic applications. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 425-436	7.9	19
29	Lignin derived reduced fluorescence carbon dots with theranostic approaches: Nano-drug-carrier and bioimaging. <i>Journal of Luminescence</i> , 2017 , 190, 492-503	3.8	54
28	Evaluation of the DNA damaging potential of indigenous health hazardous quartz nanoparticles on the cultured lung cells. <i>Toxicology Research</i> , 2017 , 6, 152-161	2.6	3
27	Chitosan containing azo-based Schiff bases: thermal, antibacterial and birefringence properties for bio-optical devices. <i>RSC Advances</i> , 2016 , 6, 5575-5581	3.7	19
26	Antibacterial activity of diisocyanate-modified chitosan for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2016 , 84, 349-53	7.9	56
25	Dibutylchitin nanoparticles as novel drug carrier. <i>International Journal of Biological Macromolecules</i> , 2016 , 82, 1011-7	7.9	17
24	Self-assembling N-(9-Fluorenylmethoxycarbonyl)-l-Phenylalanine hydrogel as novel drug carrier. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 1639-1646	7.9	23
23	Porous Chitosan Scaffolds: A Systematic Study for Choice of Crosslinker and Growth Factor Incorporation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015 , 64, 242-252 ³		18
22	Chitosan silk-based three-dimensional scaffolds containing gentamicin-encapsulated calcium alginate beads for drug administration and blood compatibility. <i>Journal of Biomaterials Applications</i> , 2015 , 29, 1314-25	2.9	24
21	Chitosan-PVP-nano silver oxide wound dressing: in vitro and in vivo evaluation. <i>International Journal of Biological Macromolecules</i> , 2015 , 73, 49-57	7.9	235
20	Highly luminescent chitosan-L-cysteine functionalized CdTe quantum dots film: synthesis and characterization. <i>Carbohydrate Polymers</i> , 2013 , 97, 327-34	10.3	41
19	In vivo evaluation of chitosan-PVP-titanium dioxide nanocomposite as wound dressing material. <i>Carbohydrate Polymers</i> , 2013 , 95, 530-9	10.3	265
18	Stability-indicative HPLC determination of donepezil hydrochloride in tablet dosage form. <i>Pharmaceutical Chemistry Journal</i> , 2012 , 45, 766-770	0.9	4
17	4-(Ethoxycarbonyl) phenyl-1-amino-oxobutanoic acid-chitosan complex as a new matrix for silver nanocomposite film: preparation, characterization and antibacterial activity. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 863-70	7.9	37
16	Chitosan-silver oxide nanocomposite film: Preparation and antimicrobial activity. <i>Bulletin of Materials Science</i> , 2011 , 34, 29-35	1.7	147
15	Antibacterial and Physicochemical Behavior of Prepared Chitosan/pyridine-3,5-di-carboxylic Acid Complex for Biomedical Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011 , 48, 246-253	2.2	11
14	Preparation, Antibacterial and Physicochemical Behavior of Chitosan/Ofloxacin Complexes. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2010 , 59, 793-807	3	32
13	Physicochemical and biological activity study of genipin-crosslinked chitosan scaffolds prepared by using supercritical carbon dioxide for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2010 , 46, 261-6	7.9	48

12	Preparation, characterization, and optical properties of a chitosan- α -thraldehyde crosslinkable film. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 3056-3062	2.9	36
11	Preparation and properties of highly soluble chitosan- γ -glutamic acid aerogel derivative. <i>Carbohydrate Polymers</i> , 2009 , 76, 188-195	10.3	96
10	Spectroscopic and conformational study of chitosan acid salts. <i>Journal of Polymer Research</i> , 2009 , 16, 231-238	2.7	16
9	Perspectives for chitosan based antimicrobial films in food applications. <i>Food Chemistry</i> , 2009 , 114, 1173-1182	3.5	990
8	Preparation, circular dichroism induced helical conformation and optical property of chitosan acid salt complexes for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2009 , 45, 384-92	7.9	43
7	Physicochemical and bioactivity of cross-linked chitosan-PVA film for food packaging applications. <i>International Journal of Biological Macromolecules</i> , 2009 , 45, 372-6	7.9	312
6	Preparation and characterization of N-heterocyclic chitosan derivative based gels for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2009 , 45, 330-7	7.9	89
5	Preparation, Characterization and Optical Property of Chitosan-Phenothiazine Derivative by Microwave Assisted Synthesis. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009 , 46, 1095-1102	2.2	25
4	Direct chitosan scaffold formation via chitin whiskers by a supercritical carbon dioxide method: a green approach. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8651		27
3	Chitosan based antimicrobial films for food packaging applications. <i>E-Polymers</i> , 2008 , 8,	2.7	38
2	External stimuli response on a novel chitosan hydrogel crosslinked with formaldehyde. <i>Bulletin of Materials Science</i> , 2006 , 29, 233-238	1.7	147
1	CHITIN AND CHITOSAN FOR VERSATILE APPLICATIONS. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2002 , 42, 307-354		152