

Pradip Kumar Dutta

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3920878/pradip-kumar-dutta-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Perspectives for chitosan based antimicrobial films in food applications. <i>Food Chemistry</i> , 2009 , 114, 1173-1182	11.82	990
46	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
45	In vivo evaluation of chitosan-PVP-titanium dioxide nanocomposite as wound dressing material. <i>Carbohydrate Polymers</i> , 2013 , 95, 530-9	10.3	265
44	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
43	CHITIN AND CHITOSAN FOR VERSATILE APPLICATIONS. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2002 , 42, 307-354		152
42	Chitosan-silver oxide nanocomposite film: Preparation and antimicrobial activity. <i>Bulletin of Materials Science</i> , 2011 , 34, 29-35	1.7	147
41	External stimuli response on a novel chitosan hydrogel crosslinked with formaldehyde. <i>Bulletin of Materials Science</i> , 2006 , 29, 233-238	1.7	147
40	Preparation, physicochemical and biological evaluation of quercetin based chitosan-gelatin film for food packaging. <i>Carbohydrate Polymers</i> , 2020 , 227, 115348	10.3	115
39	Preparation and properties of highly soluble chitosan-glutamic acid aerogel derivative. <i>Carbohydrate Polymers</i> , 2009 , 76, 188-195	10.3	96
38	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
37	Chitosan based ZnO nanoparticles loaded gallic-acid films for active food packaging. <i>Food Chemistry</i> , 2021 , 334, 127605	8.5	71
36	Antibacterial activity of diisocyanate-modified chitosan for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2016 , 84, 349-53	7.9	56
35	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
34	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
33	Methyl methacrylate modified chitosan: Synthesis, characterization and application in drug and gene delivery. <i>Carbohydrate Polymers</i> , 2019 , 211, 109-117	10.3	44
32	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
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	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
29	Highly luminescent chitosan-L-cysteine functionalized CdTe quantum dots film: synthesis and characterization. <i>Carbohydrate Polymers</i> , 2013 , 97, 327-34	10.3	41
28	Chitosan based antimicrobial films for food packaging applications. <i>E-Polymers</i> , 2008 , 8,	2.7	38
27	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
26	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
25	Preparation, Antibacterial and Physicochemical Behavior of Chitosan/Oxofloxacin Complexes. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2010 , 59, 793-807	3	32
24	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
23	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
22	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
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	Improved antibacterial and antioxidant activities of gallic acid grafted chitin-glucan complex. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	17
13	Dibutylchitin nanoparticles as novel drug carrier. <i>International Journal of Biological Macromolecules</i> , 2016 , 82, 1011-7	7.9	17

12	Spectroscopic and conformational study of chitosan acid salts. <i>Journal of Polymer Research</i> , 2009 , 16, 231-238	2.7	16
11	Antibacterial and Physiochemical 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
10	Chitosan modified by organo-functionalities as an efficient nanopatform for anti-cancer drug delivery process. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 62, 102407	4.5	5
9	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
8	In-vitro toxicity induced by quartz nanoparticles: Role of ER stress. <i>Toxicology</i> , 2018 , 404-405, 1-9	4.4	4
7	Stability-indicative HPLC determination of donepezil hydrochloride in tablet dosage form. <i>Pharmaceutical Chemistry Journal</i> , 2012 , 45, 766-770	0.9	4
6	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
5	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
4	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
3	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
2	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
1	Thiol modified chitosan-silica nanohybrid for antibacterial, antioxidant and drug delivery application. <i>Journal of the Indian Chemical Society</i> , 2021 , 98, 100108		0