

MÃ;r MÃ;sson

List of Publications by Year in descending order

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102
papers

7,838
citations

71004

43
h-index

56606

87
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108
all docs

108
docs citations

108
times ranked

9491
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan-hydroxycinnamic acid conjugates: Optimization of the synthesis and investigation of the structure activity relationship. <i>Carbohydrate Polymers</i> , 2022, 277, 118896.	5.1	12
2	Antibacterial properties of poly (N,N-dimethylaminoethyl methacrylate) obtained at different initiator concentrations in solution polymerization. <i>Royal Society Open Science</i> , 2022, 9, 211367.	1.1	7
3	Efficient synthesis of chitosan derivatives as clickable tools. <i>European Polymer Journal</i> , 2022, 166, 111039.	2.6	6
4	Asymmetric Phenyl Substitution: An Effective Strategy to Enhance the Photosensitizing Potential of Curcuminoids. <i>Pharmaceuticals</i> , 2022, 15, 843.	1.7	1
5	In vitro biological response of human osteoblasts in 3D chitosan sponges with controlled degree of deacetylation and molecular weight. <i>Carbohydrate Polymers</i> , 2021, 254, 117434.	5.1	34
6	Chitotriazolan (poly(1,4)-2-(1H-1,2,3-triazol-1-yl)-2-deoxy-d-glucose)) derivatives: Synthesis, characterization, and evaluation of antibacterial activity. <i>Carbohydrate Polymers</i> , 2021, 267, 118162.	5.1	7
7	Antimicrobial Properties of Chitosan and Its Derivatives. <i>Advances in Polymer Science</i> , 2021, , 131-168.	0.4	7
8	Chitin and chitosan. , 2021, , 1039-1072.		4
9	The antibacterial structure-activity relationship for common chitosan derivatives. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1686-1693.	3.6	23
10	Drug-Loaded Photosensitizer-Chitosan Nanoparticles for Combinatorial Chemo- and Photodynamic-Therapy of Cancer. <i>Biomacromolecules</i> , 2020, 21, 1489-1498.	2.6	45
11	Utilization of TBDMS chitosan for synthesis of photoactive chitosan derivatives and application in photografting on ophthalmic lens material. <i>Reactive and Functional Polymers</i> , 2020, 153, 104600.	2.0	4
12	Selective synthesis of N,N,N-trimethylated chitosan derivatives at different degree of substitution and investigation of structure-activity relationship for activity against <i>P. aeruginosa</i> and MRSA. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 548-557.	3.6	23
13	The Effect of Molecular Weight on the Antibacterial Activity of N,N,N-Trimethyl Chitosan (TMC). <i>International Journal of Molecular Sciences</i> , 2019, 20, 1743.	1.8	39
14	Moxifloxacin-loaded acrylic intraocular lenses: In vitro and in vivo performance. <i>Journal of Cataract and Refractive Surgery</i> , 2019, 45, 1808-1817.	0.7	16
15	A numerical framework for drug transport in a multi-layer system with discontinuous interlayer condition. <i>Mathematical Biosciences</i> , 2018, 295, 11-23.	0.9	12
16	Quaternary Ammoniumyl Chitosan Derivatives for Eradication of <i>Staphylococcus aureus</i> Biofilms. <i>Biomacromolecules</i> , 2018, 19, 3649-3658.	2.6	39
17	Numerical simulation of Franz diffusion experiment: Application to drug loaded soft contact lenses. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 38, 18-27.	1.4	7
18	Endosome Targeting meso-Tetraphenylchlorinâ€Chitosan Nanoconjugates for Photochemical Internalization. <i>Biomacromolecules</i> , 2017, 18, 1108-1126.	2.6	20

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19	Antimicrobial Chitosan and Chitosan Derivatives: A Review of the Structure-Activity Relationship. <i>Biomacromolecules</i> , 2017, 18, 3846-3868.	2.6	648
20	N,N,N-trimethyl chitosan as an efficient antibacterial agent for polypropylene and polylactide nonwovens. <i>Journal of the Textile Institute</i> , 2017, 108, 1041-1049.	1.0	13
21	Synthetic strategy for selective N -modified and O -modified PEGylated chitosan derivatives. <i>European Polymer Journal</i> , 2016, 81, 53-63.	2.6	16
22	Antimicrobial properties of chitosan and chitosan derivatives. , 2016, , 345-367.		2
23	Experimental design for determining quantitative structure activity relationship for antibacterial chitosan derivatives. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4762-4770.	2.9	27
24	Curcumin, bisdemethoxycurcumin and dimethoxycurcumin complexed with cyclodextrins have structure specific effect on the paracellular integrity of lung epithelia in vitro. <i>Biochemistry and Biophysics Reports</i> , 2015, 4, 405-410.	0.7	11
25	Antimicrobial peptide shows enhanced activity and reduced toxicity upon grafting to chitosan polymers. <i>Chemical Communications</i> , 2015, 51, 11611-11614.	2.2	88
26	Impact of Chain Length on Antibacterial Activity and Hemocompatibility of Quaternary N-Alkyl and N-Dialkyl Chitosan Derivatives. <i>Biomacromolecules</i> , 2015, 16, 1449-1460.	2.6	115
27	Synthesis of guanidinylated chitosan with the aid of multiple protecting groups and investigation of antibacterial activity. <i>Carbohydrate Polymers</i> , 2015, 127, 407-417.	5.1	57
28	The Effect of Substituent, Degree of Acetylation and Positioning of the Cationic Charge on the Antibacterial Activity of Quaternary Chitosan Derivatives. <i>Marine Drugs</i> , 2014, 12, 4635-4658.	2.2	96
29	N-alkylation of highly quaternized chitosan derivatives affects the paracellular permeation enhancement in bronchial epithelia in vitro. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 55-63.	2.0	36
30	Antibacterial phototoxic effects of synthetic asymmetric and glycosylated curcuminoids in aqueous formulations. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 140, 150-156.	1.7	7
31	Numerical Modelling of Transdermal Delivery from Matrix Systems: Parametric Study and Experimental Validation with Silicone Matrices. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 2366-2375.	1.6	4
32	Challenges in evaluation of chitosan and trimethylated chitosan (TMC) as mucosal permeation enhancers: From synthesis to in vitro application. <i>Journal of Controlled Release</i> , 2014, 173, 18-31.	4.8	90
33	Challenges in evaluation of chitosan and trimethylated chitosan (TMC) as mucosal permeation enhancers: From synthesis to in vitro application. <i>Journal of Controlled Release</i> , 2014, 173, 18-31.	4.8	15
34	Drug Delivery Characteristics of the Progenitor Bronchial Epithelial Cell Line VA10. <i>Pharmaceutical Research</i> , 2013, 30, 781-791.	1.7	11
35	Endotoxins affect bioactivity of chitosan derivatives in cultures of bone marrow-derived human mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2013, 9, 4771-4778.	4.1	40
36	Numerical modelling and experimental investigation of drug release from layered silicone matrix systems. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 49, 671-678.	1.9	15

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37	Tetraphenylporphyrin Tethered Chitosan Based Carriers for Photochemical Transfection. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 807-819.	2.9	42
38	Regioselective fluorescent labeling of N,N,N-trimethyl chitosan via oxime formation. <i>Carbohydrate Polymers</i> , 2012, 90, 1273-1280.	5.1	21
39	<i>In vitro</i> bioactivity of different degree of deacetylation chitosan, a potential coating material for titanium implants. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 3392-3399.	2.1	36
40	Studies on Curcumin and Curcuminoids. XLVI. Photophysical Properties of Dimethoxycurcumin and Bis-dehydrocurcumin. <i>Journal of Fluorescence</i> , 2012, 22, 597-608.	1.3	19
41	Experimental design for optimizing drug release from silicone elastomer matrix and investigation of transdermal drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 42, 559-567.	1.9	26
42	Synthesis of N,N,N-trimethyl chitosan homopolymer and highly substituted N-alkyl-N,N-dimethyl chitosan derivatives with the aid of di-tert-butylsilyl chitosan. <i>Carbohydrate Polymers</i> , 2011, 86, 1451-1460.	5.1	67
43	Studies on Curcumin and Curcuminoids. XXXIX. Photophysical Properties of Bisdemethoxycurcumin. <i>Journal of Fluorescence</i> , 2011, 21, 627-635.	1.3	59
44	Hydrolysis kinetics and QSAR investigation of soft antimicrobial agents. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 721-727.	1.2	11
45	Studies of curcumin and curcuminoids. XXXVI. The stoichiometry and complexation constants of cyclodextrin complexes as determined by the phase-solubility method and UV-Vis titration. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 66, 335-348.	1.6	52
46	Functionalized superhydrophobic biomimetic chitosan-based films. <i>Carbohydrate Polymers</i> , 2010, 81, 140-144.	5.1	64
47	Antibacterial activity of N-quaternary chitosan derivatives: Synthesis, characterization and structure activity relationship (SAR) investigations. <i>European Polymer Journal</i> , 2010, 46, 1251-1267.	2.6	102
48	Studies on curcumin and curcuminoids. XXXIV. Photophysical properties of a symmetrical, non-substituted curcumin analogue. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009, 97, 77-86.	1.7	59
49	tert-Butyldimethylsilyl O-protected chitosan and chitooligosaccharides: useful precursors for N-modifications in common organic solvents. <i>Carbohydrate Research</i> , 2008, 343, 2576-2582.	1.1	53
50	N-selective one pot synthesis of highly N-substituted trimethyl chitosan (TMC). <i>Carbohydrate Polymers</i> , 2008, 74, 740-744.	5.1	59
51	Antimicrobial activity of piperazine derivatives of chitosan. <i>Carbohydrate Polymers</i> , 2008, 74, 566-571.	5.1	75
52	Role of H-bond formation in the photoreactivity of curcumin. <i>Spectroscopy</i> , 2008, 22, 187-198.	0.8	103
53	Antibacterial activity of methylated chitosan and chitooligomer derivatives: Synthesis and structure activity relationships. <i>European Polymer Journal</i> , 2007, 43, 2660-2671.	2.6	154
54	Studies on curcumin and curcuminoids. <i>International Journal of Pharmaceutics</i> , 2007, 338, 27-34.	2.6	228

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55	Cyclodextrins and the liquid-liquid phase distribution of progesterone, estrone and prednicarbate. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 481-487.	1.6	9
56	The complexation efficiency. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 545-552.	1.6	149
57	Development of octanol membranes for drug screening. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 613-617.	1.6	5
58	Synthesis of Novel Quaternary Chitosan Derivatives via N-Chloroacyl-6-O-triphenylmethylchitosans. <i>Biomacromolecules</i> , 2006, 7, 407-410.	2.6	41
59	Antimicrobial activity of chitosan N-betainates. <i>Carbohydrate Polymers</i> , 2006, 65, 114-118.	5.1	112
60	Development and evaluation of an artificial membrane for determination of drug availability. <i>International Journal of Pharmaceutics</i> , 2006, 326, 60-68.	2.6	47
61	Novel Water-Soluble Quaternary Piperazine Derivatives of Chitosan: Synthesis and Characterization. <i>Macromolecular Bioscience</i> , 2006, 6, 139-144.	2.1	37
62	Design and Pharmaceutical Applications of Prodrugs. , 2005, , 733-796.		5
63	Investigation of Drug-Cyclodextrin Complexes by a Phase-Distribution Method: Some Theoretical and Practical Considerations. <i>Chemical and Pharmaceutical Bulletin</i> , 2005, 53, 958-964.	0.6	51
64	Evaluation of cyclodextrin solubilization of drugs. <i>International Journal of Pharmaceutics</i> , 2005, 302, 18-28.	2.6	530
65	Cyclodextrin Solubilization of the Antibacterial Agents Triclosan and Triclocarban: Effect of Ionization and Polymers. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005, 52, 109-117.	1.6	53
66	Cyclodextrins in drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2005, 2, 335-351.	2.4	640
67	N-Chloroacyl-6-O-triphenylmethylchitosans: Useful Intermediates for Synthetic Modifications of Chitosan. <i>Biomacromolecules</i> , 2005, 6, 858-863.	2.6	37
68	Self-Association of Cyclodextrins and Cyclodextrin Complexes. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 1091-1099.	1.6	362
69	Synthesis and Characterization of Chitosan N-Betainates Having Various Degrees of Substitution. <i>Macromolecules</i> , 2004, 37, 2784-2789.	2.2	103
70	Role of Cyclodextrins in Improving Oral Drug Delivery. <i>American Journal of Drug Delivery</i> , 2004, 2, 261-275.	0.6	237
71	4-Amino-1-naphthylphosphate as a substrate for the amperometric detection of alkaline phosphatase activity and its application for immunoassay. <i>Talanta</i> , 2004, 64, 174-180.	2.9	31
72	Soft Antimicrobial Agents: Synthesis and Activity of Labile Environmentally Friendly Long Chain Quaternary Ammonium Compounds. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 4173-4181.	2.9	185

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73	The effects of organic salts on the cyclodextrin solubilization of drugs. <i>International Journal of Pharmaceutics</i> , 2003, 262, 101-107.	2.6	86
74	Examination of ¹⁹ F-NMR as a Tool for Investigation of Drug-Cyclodextrin Complexes. <i>Drug Development and Industrial Pharmacy</i> , 2003, 29, 107-112.	0.9	20
75	Soft Antibacterial Agents. <i>Current Medicinal Chemistry</i> , 2003, 10, 1129-1136.	1.2	59
76	Cycloserine Fatty Acid Derivatives as Prodrugs: Synthesis, Degradation and in Vitro Skin Permeability.. <i>Chemical and Pharmaceutical Bulletin</i> , 2002, 50, 554-557.	0.6	8
77	Self-Association and Cyclodextrin Solubilization of Drugs. <i>Journal of Pharmaceutical Sciences</i> , 2002, 91, 2307-2316.	1.6	240
78	Studies of curcumin and curcuminoids. XXVII. Cyclodextrin complexation: solubility, chemical and photochemical stability. <i>International Journal of Pharmaceutics</i> , 2002, 244, 127-135.	2.6	638
79	Cyclodextrins and drug permeability through semi-permeable cellophane membranes. <i>International Journal of Pharmaceutics</i> , 2002, 232, 35-43.	2.6	73
80	Fish Skin as a Model Membrane to Study Transmembrane Drug Delivery with Cyclodextrins. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 44, 177-182.	1.6	13
81	The Effects of Cyclodextrins on Hydrocortisone Permeability Through Semi-Permeable Membranes. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 44, 163-167.	1.6	11
82	Self Association and Cyclodextrin Solubilization of NSAIDs. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 44, 213-218.	1.6	92
83	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 44, 169-172.	1.6	18
84	Cyclodextrin solubilization of benzodiazepines: formulation of midazolam nasal spray. <i>International Journal of Pharmaceutics</i> , 2001, 212, 29-40.	2.6	106
85	Cyclodextrins in topical drug formulations: theory and practice. <i>International Journal of Pharmaceutics</i> , 2001, 225, 15-30.	2.6	397
86	Dermal Delivery of ETH-615, a Zwitterionic Drug. <i>Drug Development and Industrial Pharmacy</i> , 2000, 26, 709-714.	0.9	2
87	Influence of cyclodextrins on the stability of the peptide salmon calcitonin in aqueous solution. <i>International Journal of Pharmaceutics</i> , 1999, 186, 205-213.	2.6	30
88	Effect of cyclodextrins and polymers on triclosan availability and substantivity in toothpastes in vivo. <i>Journal of Pharmaceutical Sciences</i> , 1999, 88, 1254-1258.	1.6	56
89	4-Hydroxynaphthyl-1-phosphate as a substrate for alkaline phosphatase and its use in sandwich immunoassay. <i>Analytica Chimica Acta</i> , 1999, 402, 29-35.	2.6	21
90	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1999, 33, 459-467.	1.6	6

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91	Cyclodextrins as permeation enhancers: some theoretical evaluations and in vitro testing. <i>Journal of Controlled Release</i> , 1999, 59, 107-118.	4.8	176
92	Drug-Cyclodextrin Complexation in the Presence of Water-Soluble Polymers: Enhanced Solubility and Percutaneous Transport. <i>ACS Symposium Series</i> , 1999, , 24-45.	0.5	1
93	Complexation Properties of β -Cyclodextrin Sulfobutylether Sodium Salt. , 1999, , 359-362.		1
94	Evaluation of Degradation Studies Performed in Aqueous Cyclodextrin Solutions. , 1999, , 265-268.		0
95	Stabilisation of ionic drugs through complexation with non-ionic and ionic cyclodextrins. <i>International Journal of Pharmaceutics</i> , 1998, 164, 45-55.	2.6	62
96	Solubilization of β -cyclodextrin. <i>European Journal of Pharmaceutical Sciences</i> , 1996, 4, S143.	1.9	1
97	Complexation of Drug Compounds with Ionic and Non-Ionic Cyclodextrins.. , 1996, , 365-368.		0
98	Immunosensing with amperometric detection, using galactosidase as label and P-aminophenyl- 125 I-D-galactopyranoside as substrate. <i>Analytica Chimica Acta</i> , 1995, 304, 353-359.	2.6	57
99	Quartz Crystal Microbalance Bioaffinity Sensor for Biotin. <i>Analytical Chemistry</i> , 1995, 67, 2212-2215.	3.2	58
100	Peptide dot immunoassay and immunoblotting: Electrophoresis from aluminum thin-layer chromatography plates and isoelectric focusing gels to activated nitrocellulose. <i>Electrophoresis</i> , 1993, 14, 852-859.	1.3	11
101	Chemical activation of nitrocellulose membranes for peptide antigen-antibody binding studies: Direct substitution of the nitrate group with diaminoalkane. <i>Electrophoresis</i> , 1993, 14, 860-865.	1.3	20
102	Dot immunobinding and immunoblotting of picogram and nanogram quantities of small peptides on activated nitrocellulose. <i>Journal of Immunological Methods</i> , 1990, 131, 257-267.	0.6	28