

Mår Mårsson

List of Publications by Year in descending order

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102
papers

7,838
citations

61984

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108
all docs

108
docs citations

108
times ranked

8626
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan-hydroxycinnamic acid conjugates: Optimization of the synthesis and investigation of the structure activity relationship. Carbohydrate Polymers, 2022, 277, 118896.	10.2	12
2	Antibacterial properties of poly (<i>N</i>,<i>N</i>-dimethylaminoethyl methacrylate) obtained at different initiator concentrations in solution polymerization. Royal Society Open Science, 2022, 9, 211367.	2.4	7
3	Efficient synthesis of chitosan derivatives as clickable tools. European Polymer Journal, 2022, 166, 111039.	5.4	6
4	Asymmetric Phenyl Substitution: An Effective Strategy to Enhance the Photosensitizing Potential of Curcuminoids. Pharmaceuticals, 2022, 15, 843.	3.8	1
5	In vitro biological response of human osteoblasts in 3D chitosan sponges with controlled degree of deacetylation and molecular weight. Carbohydrate Polymers, 2021, 254, 117434.	10.2	34
6	Chitotriazolan (poly(Î²(1-4)-2-(1H-1,2,3-triazol-1-yl)-2-deoxy-d-glucose)) derivatives: Synthesis, characterization, and evaluation of antibacterial activity. Carbohydrate Polymers, 2021, 267, 118162.	10.2	7
7	Antimicrobial Properties of Chitosan and Its Derivatives. Advances in Polymer Science, 2021, , 131-168.	0.8	7
8	Chitin and chitosan. , 2021, , 1039-1072.		4
9	The antibacterial structure-activity relationship for common chitosan derivatives. International Journal of Biological Macromolecules, 2020, 165, 1686-1693.	7.5	23
10	Drug-Loaded Photosensitizer-Chitosan Nanoparticles for Combinatorial Chemo- and Photodynamic-Therapy of Cancer. Biomacromolecules, 2020, 21, 1489-1498.	5.4	45
11	Utilization of TBDMS chitosan for synthesis of photoactive chitosan derivatives and application in photografting on ophthalmic lens material. Reactive and Functional Polymers, 2020, 153, 104600.	4.1	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 P. aeruginosa and MRSA. International Journal of Biological Macromolecules, 2020, 160, 548-557.	7.5	23
13	The Effect of Molecular Weight on the Antibacterial Activity of N,N,N-Trimethyl Chitosan (TMC). International Journal of Molecular Sciences, 2019, 20, 1743.	4.1	39
14	Moxifloxacin-loaded acrylic intraocular lenses: In vitro and in vivo performance. Journal of Cataract and Refractive Surgery, 2019, 45, 1808-1817.	1.5	16
15	A numerical framework for drug transport in a multi-layer system with discontinuous interlayer condition. Mathematical Biosciences, 2018, 295, 11-23.	1.9	12
16	Quaternary Ammoniumyl Chitosan Derivatives for Eradication of <i>Staphylococcus aureus</i> Biofilms. Biomacromolecules, 2018, 19, 3649-3658.	5.4	39
17	Numerical simulation of Franz diffusion experiment: Application to drug loaded soft contact lenses. Journal of Drug Delivery Science and Technology, 2017, 38, 18-27.	3.0	7
18	Endosome Targeting <i>meso</i>-Tetraphenylchlorinâ€“Chitosan Nanoconjugates for Photochemical Internalization. Biomacromolecules, 2017, 18, 1108-1126.	5.4	20

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19	Antimicrobial Chitosan and Chitosan Derivatives: A Review of the Structureâ€Activity Relationship. Biomacromolecules, 2017, 18, 3846-3868.	5.4	648
20	N,N,N-trimethyl chitosan as an efficient antibacterial agent for polypropylene and polylactide nonwovens. Journal of the Textile Institute, 2017, 108, 1041-1049.	1.9	13
21	Synthetic strategy for selective N -modified and O -modified PEGylated chitosan derivatives. European Polymer Journal, 2016, 81, 53-63.	5.4	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. Journal of Materials Chemistry B, 2016, 4, 4762-4770.	5.8	27
24	Curcumin, bisdemethoxycurcumin and dimethoxycurcumin complexed with cyclodextrins have structure specific effect on the paracellular integrity of lung epithelia in vitro. Biochemistry and Biophysics Reports, 2015, 4, 405-410.	1.3	11
25	Antimicrobial peptide shows enhanced activity and reduced toxicity upon grafting to chitosan polymers. Chemical Communications, 2015, 51, 11611-11614.	4.1	88
26	Impact of Chain Length on Antibacterial Activity and Hemocompatibility of Quaternary <i>N</i>-Alkyl and <i>N</i>-Dialkyl Chitosan Derivatives. Biomacromolecules, 2015, 16, 1449-1460.	5.4	115
27	Synthesis of guanidinylated chitosan with the aid of multiple protecting groups and investigation of antibacterial activity. Carbohydrate Polymers, 2015, 127, 407-417.	10.2	57
28	The Effect of Substituent, Degree of Acetylation and Positioning of the Cationic Charge on the Antibacterial Activity of Quaternary Chitosan Derivatives. Marine Drugs, 2014, 12, 4635-4658.	4.6	96
29	N-alkylation of highly quaternized chitosan derivatives affects the paracellular permeation enhancement in bronchial epithelia in vitro. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 86, 55-63.	4.3	36
30	Antibacterial phototoxic effects of synthetic asymmetric and glycosylated curcuminoids in aqueous formulations. Journal of Photochemistry and Photobiology B: Biology, 2014, 140, 150-156.	3.8	7
31	Numerical Modelling of Transdermal Delivery from Matrix Systems: Parametric Study and Experimental Validation with Silicone Matrices. Journal of Pharmaceutical Sciences, 2014, 103, 2366-2375.	3.3	4
32	Challenges in evaluation of chitosan and trimethylated chitosan (TMC) as mucosal permeation enhancers: From synthesis to in vitro application. Journal of Controlled Release, 2014, 173, 18-31.	9.9	90
33	Challenges in evaluation of chitosan and trimethylated chitosan (TMC) as mucosal permeation enhancers: From synthesis to in vitro application. Journal of Controlled Release, 2014, 173, 18-31.	9.9	15
34	Drug Delivery Characteristics of the Progenitor Bronchial Epithelial Cell Line VA10. Pharmaceutical Research, 2013, 30, 781-791.	3.5	11
35	Endotoxins affect bioactivity of chitosan derivatives in cultures of bone marrow-derived human mesenchymal stem cells. Acta Biomaterialia, 2013, 9, 4771-4778.	8.3	40
36	Numerical modelling and experimental investigation of drug release from layered silicone matrix systems. European Journal of Pharmaceutical Sciences, 2013, 49, 671-678.	4.0	15

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37	Tetraphenylporphyrin Tethered Chitosan Based Carriers for Photochemical Transfection. Journal of Medicinal Chemistry, 2013, 56, 807-819.	6.4	42
38	Regioselective fluorescent labeling of N,N,N-trimethyl chitosan via oxime formation. Carbohydrate Polymers, 2012, 90, 1273-1280.	10.2	21
39	<i>In vitro</i> bioactivity of different degree of deacetylation chitosan, a potential coating material for titanium implants. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3392-3399.	4.0	36
40	Studies on Curcumin and Curcuminoids. XLVI. Photophysical Properties of Dimethoxycurcumin and Bis-dehydroxycurcumin. Journal of Fluorescence, 2012, 22, 597-608.	2.5	19
41	Experimental design for optimizing drug release from silicone elastomer matrix and investigation of transdermal drug delivery. European Journal of Pharmaceutical Sciences, 2011, 42, 559-567.	4.0	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-butyltrimethylsilyl chitosan. Carbohydrate Polymers, 2011, 86, 1451-1460.	10.2	67
43	Studies on Curcumin and Curcuminoids. XXXIX. Photophysical Properties of Bisdemethoxycurcumin. Journal of Fluorescence, 2011, 21, 627-635.	2.5	59
44	Hydrolysis kinetics and QSAR investigation of soft antimicrobial agents. Journal of Pharmacy and Pharmacology, 2010, 57, 721-727.	2.4	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. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 66, 335-348.	1.6	52
46	Functionalized superhydrophobic biomimetic chitosan-based films. Carbohydrate Polymers, 2010, 81, 140-144.	10.2	64
47	Antibacterial activity of N-quaternary chitosan derivatives: Synthesis, characterization and structure activity relationship (SAR) investigations. European Polymer Journal, 2010, 46, 1251-1267.	5.4	102
48	Studies on curcumin and curcuminoids. XXXIV. Photophysical properties of a symmetrical, non-substituted curcumin analogue. Journal of Photochemistry and Photobiology B: Biology, 2009, 97, 77-86.	3.8	59
49	tert-Butyldimethylsilyl O-protected chitosan and chitoooligosaccharides: useful precursors for N-modifications in common organic solvents. Carbohydrate Research, 2008, 343, 2576-2582.	2.3	53
50	N-selective one pot synthesis of highly N-substituted trimethyl chitosan (TMC). Carbohydrate Polymers, 2008, 74, 740-744.	10.2	59
51	Antimicrobial activity of piperazine derivatives of chitosan. Carbohydrate Polymers, 2008, 74, 566-571.	10.2	75
52	Role of H-bond formation in the photoreactivity of curcumin. Spectroscopy, 2008, 22, 187-198.	0.8	103
53	Antibacterial activity of methylated chitosan and chitoooligomer derivatives: Synthesis and structure activity relationships. European Polymer Journal, 2007, 43, 2660-2671.	5.4	154
54	Studies on curcumin and curcuminoids. International Journal of Pharmaceutics, 2007, 338, 27-34.	5.2	228

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55	Cyclodextrins and the liquid-liquid phase distribution of progesterone, estrone and prednicarbate. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 481-487.	1.6	9
56	The complexation efficiency. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 545-552.	1.6	149
57	Development of octanol membranes for drug screening. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 613-617.	1.6	5
58	Synthesis of Novel Quaternary Chitosan Derivatives via N-Chloroacyl-6-O-triphenylmethylchitosans. Biomacromolecules, 2006, 7, 407-410.	5.4	41
59	Antimicrobial activity of chitosan N-betainates. Carbohydrate Polymers, 2006, 65, 114-118.	10.2	112
60	Development and evaluation of an artificial membrane for determination of drug availability. International Journal of Pharmaceutics, 2006, 326, 60-68.	5.2	47
61	Novel Water-Soluble Quaternary Piperazine Derivatives of Chitosan: Synthesis and Characterization. Macromolecular Bioscience, 2006, 6, 139-144.	4.1	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. Chemical and Pharmaceutical Bulletin, 2005, 53, 958-964.	1.3	51
64	Evaluation of cyclodextrin solubilization of drugs. International Journal of Pharmaceutics, 2005, 302, 18-28.	5.2	530
65	Cyclodextrin Solubilization of the Antibacterial Agents Triclosan and Triclocarban: Effect of Ionization and Polymers. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2005, 52, 109-117.	1.6	53
66	Cyclodextrins in drug delivery. Expert Opinion on Drug Delivery, 2005, 2, 335-351.	5.0	640
67	N-Chloroacyl-6-O-triphenylmethylchitosans: A Useful Intermediates for Synthetic Modifications of Chitosan. Biomacromolecules, 2005, 6, 858-863.	5.4	37
68	Self-Association of Cyclodextrins and Cyclodextrin Complexes. Journal of Pharmaceutical Sciences, 2004, 93, 1091-1099.	3.3	362
69	Synthesis and Characterization of Chitosan N-Betainates Having Various Degrees of Substitution. Macromolecules, 2004, 37, 2784-2789.	4.8	103
70	Role of Cyclodextrins in Improving Oral Drug Delivery. American Journal of Drug Delivery, 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. Talanta, 2004, 64, 174-180.	5.5	31
72	Soft Antimicrobial Agents: A Synthesis and Activity of Labile Environmentally Friendly Long Chain Quaternary Ammonium Compounds. Journal of Medicinal Chemistry, 2003, 46, 4173-4181.	6.4	185

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73	The effects of organic salts on the cyclodextrin solubilization of drugs. International Journal of Pharmaceutics, 2003, 262, 101-107.	5.2	86
74	Examination of ¹⁹ F-NMR as a Tool for Investigation of Drug-Cyclodextrin Complexes. Drug Development and Industrial Pharmacy, 2003, 29, 107-112.	2.0	20
75	Soft Antibacterial Agents. Current Medicinal Chemistry, 2003, 10, 1129-1136.	2.4	59
76	Cycloserine Fatty Acid Derivatives as Prodrugs: Synthesis, Degradation and in Vitro Skin Permeability.. Chemical and Pharmaceutical Bulletin, 2002, 50, 554-557.	1.3	8
77	Self-Association and Cyclodextrin Solubilization of Drugs. Journal of Pharmaceutical Sciences, 2002, 91, 2307-2316.	3.3	240
78	Studies of curcumin and curcuminoids. XXVII. Cyclodextrin complexation: solubility, chemical and photochemical stability. International Journal of Pharmaceutics, 2002, 244, 127-135.	5.2	638
79	Cyclodextrins and drug permeability through semi-permeable cellophane membranes. International Journal of Pharmaceutics, 2002, 232, 35-43.	5.2	73
80	Fish Skin as a Model Membrane to Study Transmembrane Drug Delivery with Cyclodextrins. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 177-182.	1.6	13
81	The Effects of Cyclodextrins on Hydrocortisone Permeability Through Semi-Permeable Membranes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 163-167.	1.6	11
82	Self Association and Cyclodextrin Solubilization of NSAIDs. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 213-218.	1.6	92
83	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 169-172.	1.6	18
84	Cyclodextrin solubilization of benzodiazepines: formulation of midazolam nasal spray. International Journal of Pharmaceutics, 2001, 212, 29-40.	5.2	106
85	Cyclodextrins in topical drug formulations: theory and practice. International Journal of Pharmaceutics, 2001, 225, 15-30.	5.2	397
86	Dermal Delivery of ETH-615, a Zwitterionic Drug. Drug Development and Industrial Pharmacy, 2000, 26, 709-714.	2.0	2
87	Influence of cyclodextrins on the stability of the peptide salmon calcitonin in aqueous solution. International Journal of Pharmaceutics, 1999, 186, 205-213.	5.2	30
88	Effect of cyclodextrins and polymers on triclosan availability and substantivity in toothpastes in vivo. Journal of Pharmaceutical Sciences, 1999, 88, 1254-1258.	3.3	56
89	4-Hydroxynaphthyl-1-phosphate as a substrate for alkaline phosphatase and its use in sandwich immunoassay. Analytica Chimica Acta, 1999, 402, 29-35.	5.4	21
90	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1999, 33, 459-467.	1.6	6

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91	Cyclodextrins as permeation enhancers: some theoretical evaluations and in vitro testing. Journal of Controlled Release, 1999, 59, 107-118.	9.9	176
92	Drug-Cyclodextrin Complexation in the Presence of Water-Soluble Polymers: Enhanced Solubility and Percutaneous Transport. ACS Symposium Series, 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. International Journal of Pharmaceutics, 1998, 164, 45-55.	5.2	62
96	Solubilization of β -cyclodextrin. European Journal of Pharmaceutical Sciences, 1996, 4, S143.	4.0	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. Analytica Chimica Acta, 1995, 304, 353-359.	5.4	57
99	Quartz Crystal Microbalance Bioaffinity Sensor for Biotin. Analytical Chemistry, 1995, 67, 2212-2215.	6.5	58
100	Peptide dot immunoassay and immunoblotting: Electrophoretic transfer from aluminum thin-layer chromatography plates and isoelectric focusing gels to activated nitrocellulose. Electrophoresis, 1993, 14, 852-859.	2.4	11
101	Chemical activation of nitrocellulose membranes for peptide antigen-antibody binding studies: Direct substitution of the nitrate group with diaminoalkane. Electrophoresis, 1993, 14, 860-865.	2.4	20
102	Dot immunobinding and immunoblotting of picogram and nanogram quantities of small peptides on activated nitrocellulose. Journal of Immunological Methods, 1990, 131, 257-267.	1.4	28