

Anette Larsson

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103
papers

2,330
citations

26
h-index

43
g-index

111
ext. papers

2,572
ext. citations

6.2
avg, IF

5.05
L-index

#	Paper	IF	Citations
103	Characterization of the Binding of the Fluorescent Dyes YO and YOYO to DNA by Polarized Light Spectroscopy. <i>Journal of the American Chemical Society</i> , 1994 , 116, 8459-8465	16.4	270
102	Optical and Photophysical Properties of the Oxazole Yellow DNA Probes YO and YOYO. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 10313-10321		122
101	Investigation of critical polymer properties for polymer release and swelling of HPMC matrix tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2009 , 36, 297-309	5.1	79
100	Quantification of protein concentration by the Bradford method in the presence of pharmaceutical polymers. <i>Analytical Biochemistry</i> , 2011 , 411, 116-21	3.1	78
99	Design and characterization of a novel amphiphilic chitosan nanocapsule-based thermo-gelling biogel with sustained in vivo release of the hydrophilic anti-epilepsy drug ethosuximide. <i>Journal of Controlled Release</i> , 2012 , 161, 942-8	11.7	74
98	A model for the drug release from a polymer matrix tablet--effects of swelling and dissolution. <i>Journal of Controlled Release</i> , 2006 , 113, 216-25	11.7	73
97	Solid-state NMR to quantify surface coverage and chain length of lactic acid modified cellulose nanocrystals, used as fillers in biodegradable composites. <i>Composites Science and Technology</i> , 2015 , 107, 1-9	8.6	63
96	Simultaneous probing of swelling, erosion and dissolution by NMR-microimaging--effect of solubility of additives on HPMC matrix tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2009 , 37, 89-97	5.1	59
95	Characterization of the binding of YO to [poly(dA-dT)] ₂ and [poly(dG-dC)] ₂ , and of the fluorescent properties of YO and YOYO complexed with the polynucleotides and double-stranded DNA. <i>Biopolymers</i> , 1995 , 36, 153-67	2.2	52
94	The influence of crystallization inhibition of HPMC and HPMCAS on model substance dissolution and release in swellable matrix tablets. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 78, 125-33	5.7	51
93	Effects of molecular weight on permeability and microstructure of mixed ethyl-hydroxypropyl-cellulose films. <i>European Journal of Pharmaceutical Sciences</i> , 2013 , 48, 240-8	5.1	48
92	The effect of chemical heterogeneity of HPMC on polymer release from matrix tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2009 , 36, 392-400	5.1	46
91	Microstructural, mechanical and mass transport properties of isotropic and capillary alginate gels. <i>Soft Matter</i> , 2014 , 10, 357-66	3.6	45
90	Preparation and physical properties of hyaluronic acid-based cryogels. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	44
89	New release cell for NMR microimaging of tablets. Swelling and erosion of poly(ethylene oxide). <i>International Journal of Pharmaceutics</i> , 2007 , 342, 105-14	6.5	43
88	Period Times and Helix Alignment during the Cyclic Migration of DNA in Electrophoresis Gels Studied with Fluorescence Microscopy. <i>Macromolecules</i> , 1995 , 28, 4441-4454	5.5	42
87	Effect of ethanol on the water permeability of controlled release films composed of ethyl cellulose and hydroxypropyl cellulose. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010 , 76, 428-32	5.7	38

86	A mechanistic modelling approach to polymer dissolution using magnetic resonance microimaging. <i>Journal of Controlled Release</i> , 2010 , 147, 232-41	11.7	37
85	The impact of dose and solubility of additives on the release from HPMC matrix tablets--identifying critical conditions. <i>Pharmaceutical Research</i> , 2009 , 26, 1496-503	4.5	36
84	Influence of optical probing with YOYO on the electrophoretic behavior of the DNA molecule. <i>Electrophoresis</i> , 1996 , 17, 642-51	3.6	34
83	Mechanistic modelling of drug release from a polymer matrix using magnetic resonance microimaging. <i>European Journal of Pharmaceutical Sciences</i> , 2013 , 48, 698-708	5.1	32
82	The effect of substitution pattern of HPMC on polymer release from matrix tablets. <i>International Journal of Pharmaceutics</i> , 2010 , 389, 147-56	6.5	32
81	Molecular information on the dissolution of polydisperse polymers: Mixtures of long and short poly(ethylene oxide). <i>Journal of Physical Chemistry B</i> , 2005 , 109, 11530-7	3.4	30
80	Therapy for the individual: Towards patient integration into the manufacturing and provision of pharmaceuticals. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 149, 58-76	5.7	28
79	Influence of different polymer types on the overall release mechanism in hydrophilic matrix tablets. <i>Molecules</i> , 2009 , 14, 2699-716	4.8	26
78	Swelling and polymer erosion for poly(ethylene oxide) tablets of different molecular weights polydispersities. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 1225-38	3.9	26
77	The consequence of the chemical composition of HPMC in matrix tablets on the release behaviour of model drug substances having different solubility. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 77, 99-110	5.7	25
76	Influence of substitution pattern on solution behavior of hydroxypropyl methylcellulose. <i>Biomacromolecules</i> , 2009 , 10, 522-9	6.9	25
75	Effects of HPMC substituent pattern on water up-take, polymer and drug release: An experimental and modelling study. <i>International Journal of Pharmaceutics</i> , 2017 , 528, 705-713	6.5	24
74	Initial studies of water granulation of eight grades of hypromellose (HPMC). <i>International Journal of Pharmaceutics</i> , 2006 , 313, 57-65	6.5	24
73	Periodate oxidation of xylan-based hemicelluloses and its effect on their thermal properties. <i>Carbohydrate Polymers</i> , 2018 , 202, 280-287	10.3	24
72	Release of theophylline and carbamazepine from matrix tablets--consequences of HPMC chemical heterogeneity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 78, 470-9	5.7	23
71	Model drug release from matrix tablets composed of HPMC with different substituent heterogeneity. <i>International Journal of Pharmaceutics</i> , 2010 , 401, 60-7	6.5	23
70	Experimental and simulated fluorescence depolarization due to energy transfer as tools to study DNA-dye interactions. <i>Biopolymers</i> , 1997 , 41, 481-494	2.2	23
69	New insights on how to adjust the release profile from coated pellets by varying the molecular weight of ethyl cellulose in the coating film. <i>International Journal of Pharmaceutics</i> , 2013 , 458, 218-23	6.5	22

68	Nanocomposites of Polyacrylic Acid Nanogels and Biodegradable Polyhydroxybutyrate for Bone Regeneration and Drug Delivery. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-9	3.2	22
67	Characterization of pore structure of polymer blended films used for controlled drug release. <i>Journal of Controlled Release</i> , 2016 , 222, 151-8	11.7	21
66	Binding of intercalating and groove-binding cyanine dyes to bacteriophage t5. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 1139-48	3.4	21
65	DAPI Staining of DNA: Effect of Change in Charge, Flexibility, and Contour Length on Orientational Dynamics and Mobility of the DNA during Agarose Gel Electrophoresis. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 3252-3263		21
64	Mathematical modelling of the drug release from an ensemble of coated pellets. <i>British Journal of Pharmacology</i> , 2017 , 174, 1797-1809	8.6	18
63	Relating solubility data of parabens in liquid PEG 400 to the behaviour of PEG 4000-parabens solid dispersions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009 , 73, 260-8	5.7	18
62	Tuning the polymer release from hydrophilic matrix tablets by mixing short and long matrix polymers. <i>Journal of Pharmaceutical Sciences</i> , 2005 , 94, 759-69	3.9	18
61	High sugar content impacts microstructure, mechanics and release of calcium-alginate gels. <i>Food Hydrocolloids</i> , 2018 , 84, 26-33	10.6	18
60	The influence of HPMC substitution pattern on solid-state properties. <i>Carbohydrate Polymers</i> , 2010 , 82, 1074-1081	10.3	16
59	Identification and qualitative characterization of high and low lignin lines from an oat TILLING population. <i>Industrial Crops and Products</i> , 2014 , 59, 1-8	5.9	15
58	Increased water transport in PDMS silicone films by addition of excipients. <i>Acta Biomaterialia</i> , 2012 , 8, 579-88	10.8	15
57	Dissolution rate enhancement of parabens in PEG solid dispersions and its influence on the release from hydrophilic matrix tablets. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 275-83	3.9	15
56	High Performance Polysodium Acrylate Superabsorbents Utilizing Microfibrillated Cellulose to Augment Gel Properties. <i>Soft Materials</i> , 2010 , 8, 207-225	1.7	15
55	Determination of the release mechanism of Theophylline from pellets coated with Surelease-A water dispersion of ethyl cellulose. <i>International Journal of Pharmaceutics</i> , 2017 , 528, 345-353	6.5	14
54	Modeling capillary formation in calcium and copper alginate gels. <i>Materials Science and Engineering C</i> , 2016 , 58, 442-9	8.3	14
53	Effect of protein release rates from tablet formulations on the immune response after sublingual immunization. <i>European Journal of Pharmaceutical Sciences</i> , 2012 , 47, 695-700	5.1	14
52	Dissolution of cellulose using a combination of hydroxide bases in aqueous solution. <i>Cellulose</i> , 2020 , 27, 101-112	5.5	14
51	A mechanistic approach to explain the relation between increased dispersion of surface modified cellulose nanocrystals and final porosity in biodegradable films. <i>European Polymer Journal</i> , 2014 , 57, 160-168	5.2	13

50	Swellable Hydrogel-based Systems for Controlled Drug Delivery 2016 ,		13
49	Dynamics of capillary transport in semi-solid channels. <i>Soft Matter</i> , 2017 , 13, 2562-2570	3.6	12
48	Preparation and evaluation of a freeze-dried oral killed cholera vaccine formulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 79, 508-18	5.7	12
47	Thermoplastic and Flexible Films from Arabinoxylan. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1443-1450	4.3	11
46	Understanding the adhesion phenomena in carbohydrate-hydrogel-based systems: Water up-take, swelling and elastic detachment. <i>Carbohydrate Polymers</i> , 2015 , 131, 41-9	10.3	11
45	Water vapor mass transport across nanofibrillated cellulose films: effect of surface hydrophobization. <i>Cellulose</i> , 2018 , 25, 347-356	5.5	11
44	Gene expression profiling of peri-implant healing of PLGA-Li+ implants suggests an activated Wnt signaling pathway in vivo. <i>PLoS ONE</i> , 2014 , 9, e102597	3.7	11
43	Drug Delivery From Hydrogels: A General Framework for the Release Modeling. <i>Current Drug Delivery</i> , 2017 , 14, 179-189	3.2	11
42	Altered Thermal and Mechanical Properties of Spruce Galactoglucomannan Films Modified with an Etherification Reaction. <i>Biomacromolecules</i> , 2020 , 21, 1832-1840	6.9	10
41	Osmotic-driven mass transport of water: impact on the adhesiveness of hydrophilic polymers. <i>Journal of Colloid and Interface Science</i> , 2010 , 341, 255-60	9.3	10
40	Novel mechanistic description of the water granulation process for hydrophilic polymers. <i>Powder Technology</i> , 2008 , 188, 139-146	5.2	10
39	Swelling and mass transport properties of nanocellulose-HPMC composite films. <i>Materials and Design</i> , 2017 , 122, 414-421	8.1	9
38	The importance of the molecular weight of ethyl cellulose on the properties of aqueous-based controlled release coatings. <i>International Journal of Pharmaceutics</i> , 2017 , 519, 157-164	6.5	9
37	The influence of the molecular weight of the water-soluble polymer on phase-separated films for controlled release. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 223-235	6.5	9
36	Preparation of Porous Poly(3-Hydroxybutyrate) Films by Water-Droplet Templating. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2012 , 03, 431-439	1	9
35	Novel nanostructured microfibrillated cellulose/hydroxypropyl methylcellulose films with large one-dimensional swelling and tunable permeability. <i>Carbohydrate Polymers</i> , 2012 , 88, 763-771	10.3	8
34	Effect of annealing time and addition of lactose on release of a model substance from Eudragit [®] RS coated pellets produced by a fluidized bed coater. <i>Chemical Engineering Research and Design</i> , 2011 , 89, 697-705	5.5	8
33	Comparing mono- and divalent DNA groove binding cyanine dyes -- binding geometries, dissociation rates, and fluorescence properties. <i>Biophysical Chemistry</i> , 2006 , 122, 195-205	3.5	8

32	High Content Solid Dispersions for Dose Window Extension: A Basis for Design Flexibility in Fused Deposition Modelling. <i>Pharmaceutical Research</i> , 2019 , 37, 9	4.5	8
31	Independent Tailoring of Dose and Drug Release via a Modularized Product Design Concept for Mass Customization. <i>Pharmaceutics</i> , 2020 , 12,	6.4	8
30	An overview of the transport of liquid molecules through structured polymer films, barriers and composites - Experiments correlated to structure-based simulations. <i>Advances in Colloid and Interface Science</i> , 2018 , 256, 48-64	14.3	8
29	Modeling the mechanics and the transport phenomena in hydrogels. <i>Computer Aided Chemical Engineering</i> , 2018 , 42, 357-383	0.6	7
28	Permeability of Porous Poly(3-hydroxybutyrate) Barriers of Single and Bilayer Type for Implant Applications. <i>International Journal of Polymer Science</i> , 2014 , 2014, 1-8	2.4	7
27	Preparation and preclinical evaluation of a freeze-dried formulation of a novel combined multivalent whole-cell/B-subunit oral vaccine against enterotoxigenic Escherichia coli diarrhea. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 108, 18-24	5.7	7
26	New features of arabinoxylan ethers revealed by using multivariate analysis. <i>Carbohydrate Polymers</i> , 2019 , 204, 255-261	10.3	7
25	Controlling water permeability of composite films of polylactide acid, cellulose, and xyloglucan. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	6
24	Probing Interactions in Combined Hydroxide Base Solvents for Improving Dissolution of Cellulose. <i>Polymers</i> , 2020 , 12,	4.5	6
23	Polymers in pharmaceutical additive manufacturing: A balancing act between printability and product performance. <i>Advanced Drug Delivery Reviews</i> , 2021 , 177, 113923	18.5	6
22	Permeability of water and oleic acid in composite films of phase separated polypropylene and cellulose stearate blends. <i>Carbohydrate Polymers</i> , 2016 , 152, 450-458	10.3	5
21	Controlled Drug Release by the Pore Structure in Polydimethylsiloxane Transdermal Patches. <i>Polymers</i> , 2020 , 12,	4.5	5
20	Fundamental aspects of the non-covalent modification of cellulose via polymer adsorption. <i>Advances in Colloid and Interface Science</i> , 2021 , 298, 102529	14.3	5
19	Microcellular foaming of arabinoxylan and PEGylated arabinoxylan with supercritical CO ₂ . <i>Carbohydrate Polymers</i> , 2018 , 181, 442-449	10.3	4
18	Oral Extended-Release Formulations 1191-1222		4
17	Simulations of the overshoot in the build-up of orientation of long DNA during gel electrophoresis based on a distribution of oscillation times. <i>Electrophoresis</i> , 1996 , 17, 1425-35	3.6	4
16	Microscopic Studies on the Migration Mechanism. <i>Chromatographia CE Series</i> , 1997 , 67-89		4
15	Stick-slip motion and controlled filling speed by the geometric design of soft micro-channels. <i>Journal of Colloid and Interface Science</i> , 2018 , 524, 139-147	9.3	3

14	Evaluation of Carboxymethyl-Hexanoyl Chitosan as a Protein Nanocarrier. <i>Nanomaterials and Nanotechnology</i> , 2013 , 3, 7	2.9	3
13	Effect of calcium neutralization on elastic and swelling properties of crosslinked poly(acrylic acid) - correlation to inhomogeneities and phase behaviour. <i>E-Polymers</i> , 2009 , 9,	2.7	3
12	Oxidation Level and Glycidyl Ether Structure Determine Thermal Processability and Thermomechanical Properties of Arabinoxylan-Derived Thermoplastics.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 3133-3144	4.1	3
11	Enabling modular dosage form concepts for individualized multidrug therapy: Expanding the design window for poorly water-soluble drugs. <i>International Journal of Pharmaceutics</i> , 2021 , 602, 120625	6.5	2
10	New insights on the influence of manufacturing conditions and molecular weight on phase-separated films intended for controlled release. <i>International Journal of Pharmaceutics</i> , 2018 , 536, 261-271	6.5	2
9	Soft Gelatin Films Modified with Cellulose Acetate Phthalate Pseudolatex Dispersion-Structure and Permeability. <i>Polymers</i> , 2018 , 10,	4.5	2
8	Oral Extended-Release Formulations 2010 , 1		1
7	Side chains affect the melt processing and stretchability of arabinoxylan biomass-based thermoplastic films.. <i>Chemosphere</i> , 2022 , 294, 133618	8.4	1
6	Influence of Drug Load on the Printability and Solid-State Properties of 3D-Printed Naproxen-Based Amorphous Solid Dispersion. <i>Molecules</i> , 2021 , 26,	4.8	1
5	Specific ion effects in the adsorption of carboxymethyl cellulose on cellulose: The influence of industrially relevant divalent cations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 626, 127006	5.1	1
4	Hydrophobization of arabinoxylan with n-butyl glycidyl ether yields stretchable thermoplastic materials. <i>International Journal of Biological Macromolecules</i> , 2021 , 188, 491-500	7.9	1
3	Screening of hydrogen bonds in modified cellulose acetates with alkyl chain substitutions.. <i>Carbohydrate Polymers</i> , 2022 , 285, 119188	10.3	0
2	Mass Transport of Lignin in Confined Pores. <i>Polymers</i> , 2022 , 14, 1993	4.5	0
1	Scattering studies of the size and structure of cellulose dissolved in aqueous hydroxide base solvents. <i>Carbohydrate Polymers</i> , 2021 , 274, 118634	10.3	