

Mikael Larsson

List of Publications by Year in descending order

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37
papers

1,225
citations

361413

20
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

2068
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutagenesis as a Tool in Plant Genetics, Functional Genomics, and Breeding. <i>International Journal of Plant Genomics</i> , 2011, 2011, 1-13.	2.2	191
2	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, 942-948.	9.9	92
3	Biomedical applications and colloidal properties of amphiphilically modified chitosan hybrids. <i>Progress in Polymer Science</i> , 2013, 38, 1307-1328.	24.7	91
4	Development and characterization of an oat TILLING-population and identification of mutations in lignin and Î ² -glucan biosynthesis genes. <i>BMC Plant Biology</i> , 2010, 10, 86.	3.6	90
5	Polyethyleneimine for copper absorption II: kinetics, selectivity and efficiency from seawater. <i>RSC Advances</i> , 2015, 5, 51883-51890.	3.6	54
6	Injectable insulin-lysozyme-loaded nanogels with enzymatically-controlled degradation and release for basal insulin treatment: In vitro characterization and in vivo observation. <i>Journal of Controlled Release</i> , 2016, 224, 33-42.	9.9	54
7	Polyethyleneimine for copper absorption: kinetics, selectivity and efficiency in artificial seawater. <i>RSC Advances</i> , 2014, 4, 25063-25066.	3.6	48
8	The use of polymer-based nanoparticles and nanostructured materials in treatment and diagnosis of cardiovascular diseases: Recent advances and emerging designs. <i>Progress in Polymer Science</i> , 2016, 57, 153-178.	24.7	47
9	Dual drug-loaded biofunctionalized amphiphilic chitosan nanoparticles: Enhanced synergy between cisplatin and demethoxycurcumin against multidrug-resistant stem-like lung cancer cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 109, 165-173.	4.3	42
10	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, 428-432.	4.3	41
11	Synergistic effects of carboxymethyl-hexanoyl chitosan, cationic polyurethane-short branch PEI in miR122 gene delivery: Accelerated differentiation of iPSCs into mature hepatocyte-like cells and improved stem cell therapy in a hepatic failure model. <i>Acta Biomaterialia</i> , 2015, 13, 228-244.	8.3	41
12	Glutaraldehyde crosslinking for improved copper absorption selectivity and chemical stability of polyethyleneimine coatings. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	33
13	Nanocomposites of Polyacrylic Acid Nanogels and Biodegradable Polyhydroxybutyrate for Bone Regeneration and Drug Delivery. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-9.	2.7	32
14	A temperature-induced and shear-reversible assembly of latanoprost-loaded amphiphilic chitosan colloids: Characterization and in vivo glaucoma treatment. <i>Acta Biomaterialia</i> , 2014, 10, 3188-3196.	8.3	30
15	Copper removal from acid mine drainage-polluted water using glutaraldehyde-polyethyleneimine modified diatomaceous earth particles. <i>Heliyon</i> , 2018, 4, e00520.	3.2	30
16	A novel dual-structure, self-healable, polysaccharide based hybrid nanogel for biomedical uses. <i>Soft Matter</i> , 2011, 7, 5816.	2.7	26
17	Demethoxycurcumin-Carrying Chitosan Antibody Core-Shell Nanoparticles with Multitherapeutic Efficacy toward Malignant A549 Lung Tumor: From in Vitro Characterization to in Vivo Evaluation. <i>Molecular Pharmaceutics</i> , 2015, 12, 1242-1249.	4.6	26
18	Local co-administration of gene-silencing RNA and drugs in cancer therapy: State-of-the art and therapeutic potential. <i>Cancer Treatment Reviews</i> , 2017, 55, 128-135.	7.7	23

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19	Polyethyleneimine functionalized mesoporous diatomite particles for selective copper recovery from aqueous media. <i>International Journal of Mineral Processing</i> , 2017, 166, 29-36.	2.6	22
20	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.	5.2	21
21	Increased water transport in PDMS silicone films by addition of excipients. <i>Acta Biomaterialia</i> , 2012, 8, 579-588.	8.3	18
22	The influence of HPMC substitution pattern on solid-state properties. <i>Carbohydrate Polymers</i> , 2010, 82, 1074-1081.	10.2	17
23	Swelling and mass transport properties of nanocellulose-HPMC composite films. <i>Materials and Design</i> , 2017, 122, 414-421.	7.0	16
24	High Performance Polysodium Acrylate Superabsorbents Utilizing Microfibrillated Cellulose to Augment Gel Properties. <i>Soft Materials</i> , 2010, 8, 207-225.	1.7	15
25	A unique tetrameric structure of deer plasma haptoglobin – an evolutionary advantage in the Hp phenotype with homogeneous structure. <i>FEBS Journal</i> , 2008, 275, 981-993.	4.7	14
26	Different types of microfibrillated cellulose as filler materials in polysodium acrylate superabsorbents. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011, 29, 407-413.	3.8	14
27	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.	14.7	13
28	Design and optimization of a nanoprobe comprising amphiphilic chitosan colloids and Au-nanorods: Sensitive detection of human serum albumin in simulated urine. <i>Applied Surface Science</i> , 2016, 390, 675-680.	6.1	11
29	Unhindered copper uptake by glutaraldehyde-polyethyleneimine coatings in an artificial seawater model system with adsorbed swollen polysaccharides and competing ligand EDTA. <i>Biofouling</i> , 2017, 33, 184-194.	2.2	11
30	Bio-template assisted synthesis of porous glutaraldehyde-polyethyleneimine particulate resin for selective copper ion binding and recovery. <i>RSC Advances</i> , 2018, 8, 12043-12052.	3.6	11
31	Novel nanostructured microfibrillated cellulose-hydroxypropyl methylcellulose films with large one-dimensional swelling and tunable permeability. <i>Carbohydrate Polymers</i> , 2012, 88, 763-771.	10.2	10
32	Cu K-edge XANES: polymer, organic, inorganic spectra, and experimental considerations. <i>Powder Diffraction</i> , 2017, 32, S28-S32.	0.2	10
33	A new type of gadodiamide-conjugated amphiphilic chitosan nanoparticle and its use for MR imaging with significantly enhanced contrastability. <i>Carbohydrate Polymers</i> , 2019, 203, 256-264.	10.2	10
34	Porous PEI Coating for Copper Ion Storage and Its Controlled Electrochemical Release. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900123.	5.3	9
35	Electroactive Polyhydroquinone Coatings for Marine Fouling Prevention – A Rejected Dynamic pH Hypothesis and a Deceiving Artifact in Electrochemical Antifouling Testing. <i>ACS Omega</i> , 2017, 2, 4751-4759.	3.5	5
36	Evaluation of Carboxymethyl-Hexanoyl Chitosan as a Protein Nanocarrier. <i>Nanomaterials and Nanotechnology</i> , 2013, 3, 7.	3.0	4

#	ARTICLE	IF	CITATIONS
37	Effect of calcium neutralization on elastic and swelling properties of crosslinked poly(acrylic acid) - correlation to inhomogeneities and phase behaviour. E-Polymers, 2009, 9, .	3.0	3