

Li Fu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,114
citations

623734

14
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1662
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of heparin and severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2) spike glycoprotein binding interactions. <i>Antiviral Research</i> , 2020, 181, 104873.	4.1	233
2	ePathOptimize: A Combinatorial Approach for Transcriptional Balancing of Metabolic Pathways. <i>Scientific Reports</i> , 2015, 5, 11301.	3.3	126
3	Production of chondroitin in metabolically engineered <i>E. coli</i> . <i>Metabolic Engineering</i> , 2015, 27, 92-100.	7.0	117
4	Structural Characterization of Pharmaceutical Heparins Prepared from Different Animal Tissues. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1447-1457.	3.3	99
5	Bioengineered heparins and heparan sulfates. <i>Advanced Drug Delivery Reviews</i> , 2016, 97, 237-249.	13.7	98
6	Rapid and accurate determination of the lignin content of lignocellulosic biomass by solid-state NMR. <i>Fuel</i> , 2015, 141, 39-45.	6.4	74
7	Combinatorial one-pot chemoenzymatic synthesis of heparin. <i>Carbohydrate Polymers</i> , 2015, 122, 399-407.	10.2	59
8	Comparison of the Interactions of Different Growth Factors and Glycosaminoglycans. <i>Molecules</i> , 2019, 24, 3360.	3.8	56
9	Analysis of Heparins Derived From Bovine Tissues and Comparison to Porcine Intestinal Heparins. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2016, 22, 520-527.	1.7	41
10	Heavy Heparin: A Stable Isotope-Enriched, Chemoenzymatically-Synthesized, Poly-Component Drug. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5962-5966.	13.8	35
11	Structure and Activity of a New Low-Molecular-Weight Heparin Produced by Enzymatic Ultrafiltration. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1375-1383.	3.3	31
12	Synthetic heparan sulfate standards and machine learning facilitate the development of solid-state nanopore analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	28
13	Heparin stability by determining unsubstituted amino groups using hydrophilic interaction chromatography mass spectrometry. <i>Analytical Biochemistry</i> , 2014, 461, 46-48.	2.4	22
14	Chemometric analysis of porcine, bovine and ovine heparins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 345-352.	2.8	16
15	High density fermentation of probiotic <i>E. coli</i> Nissle 1917 towards heparosan production, characterization, and modification. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1051-1062.	3.6	16
16	Glycan Markers of Human Stem Cells Assigned with Beam Search Arrays*[S]. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1981-2002.	3.8	15
17	Expression of enzymes for 3'-phosphoadenosine-5'-phosphosulfate (PAPS) biosynthesis and their preparation for PAPS synthesis and regeneration. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7067-7078.	3.6	12
18	A Revised Structure for the Glycolipid Terminus of <i>Escherichia coli</i> K5 Heparosan Capsular Polysaccharide. <i>Biomolecules</i> , 2020, 10, 1516.	4.0	11

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19	Specificity and action pattern of heparanase Bp, a β -glucuronidase from <i>Burkholderia pseudomallei</i> . <i>Glycobiology</i> , 2019, 29, 572-581.	2.5	10
20	Chemobiocatalytic Synthesis of a Low-Molecular-Weight Heparin. <i>ACS Chemical Biology</i> , 2022, 17, 637-646.	3.4	8
21	A purification process for heparin and precursor polysaccharides using the pH responsive behavior of chitosan. <i>Biotechnology Progress</i> , 2015, 31, 1348-1359.	2.6	6
22	One-Pot Enzymatic Synthesis of Heparin from N-Sulfoheparosan. <i>Methods in Molecular Biology</i> , 2022, 2303, 3-11.	0.9	1
23	Chemical O-sulfation of N-sulfoheparosan: a route to rare N-sulfo-3-O-sulfoglucosamine and 2-O-sulfoglucuronic acid. <i>Glycoconjugate Journal</i> , 2020, 37, 589-597.	2.7	0