

# Lianhong Sun

## List of Publications by Year in descending order

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26  
papers

1,012  
citations

623734

14  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Directed evolution of RhlI to generate new and increased quorum sensing signal molecule catalytic activities. <i>Enzyme and Microbial Technology</i> , 2020, 134, 109475.	3.2	5
2	Engineered <i>Kluyveromyces marxianus</i> for pyruvate production at elevated temperature with simultaneous consumption of xylose and glucose. <i>Bioresource Technology</i> , 2017, 224, 553-562.	9.6	34
3	Metabolic engineering of indole pyruvic acid biosynthesis in <i>Escherichia coli</i> with tdiD. <i>Microbial Cell Factories</i> , 2017, 16, 2.	4.0	4
4	Directed evolution to improve the catalytic efficiency of urate oxidase from <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2017, 12, e0177877.	2.5	17
5	Protein-Selective Coacervation with Hyaluronic Acid. <i>Biomacromolecules</i> , 2014, 15, 726-734.	5.4	80
6	Evolution of hierarchical structures in polyelectrolyte micelle coacervates. <i>Soft Matter</i> , 2013, 9, 7320.	2.7	35
7	Effect of Heparin on Protein Aggregation: Inhibition versus Promotion. <i>Biomacromolecules</i> , 2012, 13, 1642-1651.	5.4	34
8	Multimerization and Aggregation of Native-State Insulin: Effect of Zinc. <i>Langmuir</i> , 2012, 28, 579-586.	3.5	54
9	Electrostatic Selectivity in Protein-Nanoparticle Interactions. <i>Biomacromolecules</i> , 2011, 12, 2552-2561.	5.4	109
10	Protein Purification by Polyelectrolyte Coacervation: Influence of Protein Charge Anisotropy on Selectivity. <i>Biomacromolecules</i> , 2011, 12, 1512-1522.	5.4	191
11	Engineering the Logical Properties of a Genetic AND Gate. <i>Methods in Molecular Biology</i> , 2011, 743, 175-184.	0.9	7
12	Creating Designer Laccases. <i>Chemistry and Biology</i> , 2010, 17, 918-920.	6.0	6
13	Slow activator degradation reduces the robustness of a coupled feedback loop oscillator. <i>Molecular BioSystems</i> , 2010, 6, 1469.	2.9	2
14	Construction and Enhancement of a Minimal Genetic AND Logic Gate. <i>Applied and Environmental Microbiology</i> , 2009, 75, 637-642.	3.1	41
15	Altering the Substrate Specificity of RhlI by Directed Evolution. <i>ChemBioChem</i> , 2009, 10, 553-558.	2.6	11
16	Directed evolution of LuxI for enhanced OHHL production. <i>Biotechnology and Bioengineering</i> , 2008, 101, 263-272.	3.3	31
17	Advancing Biocatalysis through Enzyme, Cellular, and Platform Engineering. <i>Biotechnology Progress</i> , 2008, 24, 515-519.	2.6	16
18	Enzyme Replacement Therapy for Lysosomal Storage Disorders. <i>Recent Patents on Biomedical Engineering</i> , 2008, 1, 141-147.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Noise and kinetics of LuxR positive feedback loops. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 667-673.	2.1	14
20	Engineering and applications of genetic circuits. <i>Molecular BioSystems</i> , 2007, 3, 835.	2.9	23
21	Construction and Engineering of Positive Feedback Loops. <i>ACS Chemical Biology</i> , 2006, 1, 692-696.	3.4	37
22	Saturation Mutagenesis. , 2003, 231, 75-84.		48
23	Screen for Oxidases by Detection of Hydrogen Peroxide with Horseradish Peroxidase. , 2003, 230, 177-182.		1
24	Modification of Galactose Oxidase to Introduce Glucose 6-Oxidase Activity. <i>ChemBioChem</i> , 2002, 3, 781.	2.6	97
25	Expression and stabilization of galactose oxidase in <i>Escherichia coli</i> by directed evolution. <i>Protein Engineering, Design and Selection</i> , 2001, 14, 699-704.	2.1	114
26	Enzyme Production in <i>Escherichia coli</i> . , 0, , 539-548.		0