

# Josep Lopez-Santin

## List of Publications by Year in descending order

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46  
papers

784  
citations

516710

16  
h-index

552781

26  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1009  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of a precursor of D-fagomine by immobilized fructose-6-phosphate aldolase. PLoS ONE, 2021, 16, e0250513.	2.5	3
2	Multi-reaction kinetic modeling for the peroxidase-aldolase cascade synthesis of a D-fagomine precursor. Chemical Engineering Science, 2021, 239, 116602.	3.8	3
3	An immobilized and highly stabilized self-sufficient monooxygenase as biocatalyst for oxidative biotransformations. Journal of Chemical Technology and Biotechnology, 2018, 93, 985-993.	3.2	15
4	Hybrid chloroperoxidase-magnetic nanoparticle clusters: effect of functionalization on biocatalyst performance. Journal of Chemical Technology and Biotechnology, 2018, 93, 233-245.	3.2	12
5	A <i>Streptomyces lividans</i> SipY deficient strain as a host for protein production: standardization of operational alternatives for model proteins. Journal of Chemical Technology and Biotechnology, 2017, 92, 217-223.	3.2	12
6	HLADH-catalyzed synthesis of $\alpha$ -amino acids, assisted by continuous electrochemical regeneration of NAD <sup>+</sup> in a filter press microreactor. Chemical Engineering Science, 2017, 158, 196-207.	3.8	8
7	Simulation and prediction of protein production in fed-batch <i>E. coli</i> cultures: An engineering approach. Biotechnology and Bioengineering, 2016, 113, 772-782.	3.3	5
8	Chloroperoxidase-catalyzed amino alcohol oxidation: Substrate specificity and novel strategy for the synthesis of N-Cbz-3-aminopropanal. Process Biochemistry, 2016, 51, 1204-1211.	3.7	8
9	Data on the identification and characterization of by-products from N-Cbz-3-aminopropanal and t-BuOOH/H <sub>2</sub> O <sub>2</sub> chemical reaction in chloroperoxidase-catalyzed oxidations. Data in Brief, 2016, 8, 659-665.	1.0	2
10	Quantitative modeling of inducer transport in fed-batch cultures of Escherichia coli. Biochemical Engineering Journal, 2014, 91, 210-219.	3.6	3
11	From amino alcohol to aminopolyol: one-pot multienzyme oxidation and aldol addition. Applied Microbiology and Biotechnology, 2013, 97, 7173-7183.	3.6	12
12	Bacillus amyloliquefaciens laccase - From soil bacteria to recombinant enzyme for wastewater decolorization. Bioresource Technology, 2013, 147, 177-183.	9.6	65
13	The DsbA signal peptide-mediated secretion of a highly efficient raw-starch-digesting, recombinant $\alpha$ -amylase from Bacillus licheniformis ATCC 9945a. Process Biochemistry, 2013, 48, 438-442.	3.7	11
14	From laboratory to pilot plant E. coli fed-batch cultures: optimizing the cellular environment for protein maximization. Journal of Industrial Microbiology and Biotechnology, 2013, 40, 335-343.	3.0	10
15	New ammonia lyases and amine transaminases: Standardization of production process and preparation of immobilized biocatalysts. Electronic Journal of Biotechnology, 2013, 16, .	2.2	3
16	Immobilized L-aspartate ammonia-lyase from Bacillus sp. YM55-1 as biocatalyst for highly concentrated L-aspartate synthesis. Bioprocess and Biosystems Engineering, 2012, 35, 1437-1444.	3.4	22
17	Evidencing the role of lactose permease in IPTG uptake by Escherichia coli in fed-batch high cell density cultures. Journal of Biotechnology, 2012, 157, 391-398.	3.8	42
18	Direct measurements of IPTG enable analysis of the induction behavior of E. coli in high cell density cultures. Microbial Cell Factories, 2012, 11, 58.	4.0	19

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19	A novel immobilized chloroperoxidase biocatalyst with improved stability for the oxidation of amino alcohols to amino aldehydes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 84, 144-151.	1.8	30
20	Inclusion bodies of fuculose-1-phosphate aldolase as stable and reusable biocatalysts. <i>Biotechnology Progress</i> , 2012, 28, 421-427.	2.6	17
21	L-Phenylalanine synthesis catalyzed by immobilized aspartate aminotransferase. <i>Biochemical Engineering Journal</i> , 2012, 63, 15-21.	3.6	16
22	Production and properties of the highly efficient raw starch digesting $\alpha$ -amylase from a <i>Bacillus licheniformis</i> ATCC 9945a. <i>Biochemical Engineering Journal</i> , 2011, 53, 203-209.	3.6	86
23	A semiempirical model to control the production of a recombinant aldolase in high cell density cultures of <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2011, 55, 82-91.	3.6	10
24	Optimization of the growth of and $\alpha$ -amylase production by <i>Bacillus subtilis</i> IP 5832 in shake flask and laboratory fermenter batch cultures. <i>Journal of the Serbian Chemical Society</i> , 2011, 76, 965-972.	0.8	16
25	Immobilization of PLP-dependent enzymes with cofactor retention and enhanced stability. <i>Biochemical Engineering Journal</i> , 2010, 49, 414-421.	3.6	10
26	Ceramic Microsystem Incorporating a Microreactor with Immobilized Biocatalyst for Enzymatic Spectrophotometric Assays. <i>Analytical Chemistry</i> , 2010, 82, 1006-1011.	6.5	33
27	Development and Validation of a Liquid Chromatography-Mass Spectrometry Assay for the Quantitation of IPTG in <i>E. Coli</i> Fed-Batch Cultures. <i>Analytical Chemistry</i> , 2010, 82, 5728-5734.	6.5	13
28	Alternative production process strategies in <i>E. coli</i> improving protein quality and downstream yields. <i>Process Biochemistry</i> , 2009, 44, 1039-1045.	3.7	22
29	Performance of an immobilized fuculose-1-phosphate aldolase for stereoselective synthesis. <i>Biocatalysis and Biotransformation</i> , 2009, 27, 136-142.	2.0	14
30	Kinetic modelling of aldolase-catalyzed addition between dihydroxyacetone phosphate and (S)-alaninal. <i>Biochemical Engineering Journal</i> , 2008, 41, 95-103.	3.6	10
31	Induction strategies in fed-batch cultures for recombinant protein production in <i>Escherichia coli</i> : Application to rhamnulose 1-phosphate aldolase. <i>Biochemical Engineering Journal</i> , 2008, 41, 181-187.	3.6	34
32	Influence of process temperature on recombinant enzyme activity in <i>Escherichia coli</i> fed-batch cultures. <i>Enzyme and Microbial Technology</i> , 2008, 43, 507-512.	3.2	22
33	Study Cases of Enzymatic Processes. , 2008, , 253-378.		5
34	Allosteric molecular sensing of anti-HIV antibodies by an immobilized engineered $\beta$ -galactosidase. <i>Enzyme and Microbial Technology</i> , 2007, 41, 492-497.	3.2	3
35	Title is missing!. <i>Microbial Cell Factories</i> , 2006, 5, P85.	4.0	1
36	A simple feedback control of <i>Escherichia coli</i> growth for recombinant aldolase production in fed-batch mode. <i>Biochemical Engineering Journal</i> , 2006, 29, 235-242.	3.6	26

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37	Influence of secondary reactions on the synthetic efficiency of DHAP-aldolases. <i>Biotechnology and Bioengineering</i> , 2006, 93, 48-55.	3.3	25
38	Fed-batch production of recombinant fucose-1-phosphate aldolase in <i>E. coli</i> . <i>Process Biochemistry</i> , 2005, 40, 707-716.	3.7	35
39	Production of fucose-1-phosphate aldolase using operator-repressor titration for plasmid maintenance in high cell density <i>Escherichia coli</i> fermentations. <i>Biotechnology and Bioengineering</i> , 2005, 91, 460-467.	3.3	10
40	Studies on the expression of recombinant fucose-1-phosphate aldolase in <i>E. coli</i> . <i>Process Biochemistry</i> , 2004, 39, 1677-1684.	3.7	20
41	Integrated Process for the Enzymatic Synthesis of the Octapeptide PhAcCCK-8. <i>Biotechnology Progress</i> , 2002, 18, 1214-1220.	2.6	12
42	A Novel Activity of Immobilized Penicillin G Acylase: Removal of Benzylloxycarbonyl Amino Protecting Group. <i>Biocatalysis and Biotransformation</i> , 2000, 18, 253-258.	2.0	8
43	Reaction Engineering for Consecutive Enzymatic Reactions in Peptide Synthesis: Application to the Synthesis of a Pentapeptide. <i>Biotechnology Progress</i> , 1997, 13, 783-787.	2.6	7
44	Influence of Water Activity and Support Material on the Enzymatic Synthesis of a Cck-8 Tripeptide Fragment. <i>Biocatalysis and Biotransformation</i> , 1996, 13, 165-178.	2.0	16
45	Studies on papain action in the synthesis of Gly-Phe in two-liquid-phase media. <i>Enzyme and Microbial Technology</i> , 1995, 17, 882-887.	3.2	21
46	Papain Immobilization Study in Enzymatic Synthesis of Dipeptide Gly-Phe. <i>Biocatalysis</i> , 1994, 11, 273-281.	0.9	6