

Anthony J Sinskey

List of Publications by Year in descending order

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44
papers

1,578
citations

331670

21
h-index

330143

37
g-index

45
all docs

45
docs citations

45
times ranked

1783
citing authors

#	ARTICLE	IF	CITATIONS
1	PHA synthase activity controls the molecular weight and polydispersity of polyhydroxybutyrate in vivo. <i>Nature Biotechnology</i> , 1997, 15, 63-67.	17.5	196
2	Recent Advances in the Physiology and Genetics of Amino Acid-Producing Bacteria. <i>Critical Reviews in Biotechnology</i> , 1995, 15, 73-103.	9.0	96
3	Analytical methods for process and product characterization of recombinant adeno-associated virus-based gene therapies. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 740-754.	4.1	85
4	Metabolite and isotopomer balancing in the analysis of metabolic cycles: I. Theory. , 1999, 62, 375-391.		76
5	Yeast-Based Synthetic Biology Platform for Antimicrobial Peptide Production. <i>ACS Synthetic Biology</i> , 2018, 7, 896-902.	3.8	76
6	Modular engineering for microbial production of carotenoids. <i>Metabolic Engineering Communications</i> , 2020, 10, e00118.	3.6	72
7	Tolerance and adaptive evolution of triacylglycerol-producing <i>Rhodococcus opacus</i> to lignocellulose-derived inhibitors. <i>Biotechnology for Biofuels</i> , 2015, 8, 76.	6.2	68
8	Over expression of GroESL in <i>Cupriavidus necator</i> for heterotrophic and autotrophic isopropanol production. <i>Metabolic Engineering</i> , 2017, 42, 74-84.	7.0	58
9	Oil palm vegetation liquor: a new source of phenolic bioactives. <i>British Journal of Nutrition</i> , 2011, 106, 1655-1663.	2.3	57
10	3D molecular MR imaging of liver fibrosis and response to rapamycin therapy in a bile duct ligation rat model. <i>Journal of Hepatology</i> , 2015, 63, 689-696.	3.7	57
11	An absorbance method for analysis of enzymatic degradation kinetics of poly(ethylene terephthalate) films. <i>Scientific Reports</i> , 2021, 11, 928.	3.3	57
12	Improved glycerol utilization by a triacylglycerol-producing <i>Rhodococcus opacus</i> strain for renewable fuels. <i>Biotechnology for Biofuels</i> , 2015, 8, 31.	6.2	52
13	Metabolite and isotopomer balancing in the analysis of metabolic cycles: II. Applications. , 1999, 62, 392-401.		51
14	Effects of phosphoenol pyruvate carboxylase deficiency on metabolism and lysine production in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 1994, 40, 857-863.	3.6	45
15	Insights into bacterial CO ₂ metabolism revealed by the characterization of four carbonic anhydrases in <i>Ralstonia eutropha</i> H16. <i>AMB Express</i> , 2014, 4, 2.	3.0	44
16	Growth factor and Bcl-2 mediated survival during abortive proliferation of hybridoma cell line. <i>Biotechnology and Bioengineering</i> , 1998, 57, 164-171.	3.3	42
17	Mechanistic model for production of recombinant adeno-associated virus via triple transfection of HEK293 cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 21, 642-655.	4.1	39
18	Absence of ppGpp Leads to Increased Mobilization of Intermediately Accumulated Poly(3-Hydroxybutyrate) in <i>Ralstonia eutropha</i> H16. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	33

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19	Regulation of phospho(enol)-pyruvate-and oxaloacetate-converting enzymes in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 1994, 41, 47-52.	3.6	31
20	Constructing an ethanol utilization pathway in <i>Escherichia coli</i> to produce acetyl-CoA derived compounds. <i>Metabolic Engineering</i> , 2021, 65, 223-231.	7.0	31
21	The <i>Rhodococcus opacus</i> TadD protein mediates triacylglycerol metabolism by regulating intracellular NAD(P)H pools. <i>Microbial Cell Factories</i> , 2013, 12, 104.	4.0	29
22	Metabolic engineering <i>Corynebacterium glutamicum</i> to produce triacylglycerols. <i>Metabolic Engineering</i> , 2016, 33, 86-97.	7.0	27
23	Engineering l-arabinose metabolism in triacylglycerol-producing <i>Rhodococcus opacus</i> for lignocellulosic fuel production. <i>Metabolic Engineering</i> , 2015, 30, 89-95.	7.0	26
24	Cellular pathways of recombinant adeno-associated virus production for gene therapy. <i>Biotechnology Advances</i> , 2021, 49, 107764.	11.7	22
25	Palm Fruit Bioactives modulate human astrocyte activity in vitro altering the cytokine secretome reducing levels of TNF α , RANTES and IP-10. <i>Scientific Reports</i> , 2018, 8, 16423.	3.3	17
26	Heterologous production of β -Carotene in <i>Corynebacterium glutamicum</i> using a multi-copy chromosomal integration method. <i>Bioresource Technology</i> , 2021, 341, 125782.	9.6	17
27	Application of radiolabeled tracers to biocatalytic flux analysis. <i>FEBS Journal</i> , 2001, 268, 4950-4960.	0.2	16
28	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 2057-2061.	2.2	16
29	Production of Functional Anti-Ebola Antibodies in <i>Pichia pastoris</i> . <i>ACS Synthetic Biology</i> , 2017, 6, 2183-2190.	3.8	15
30	Application of a non-halogenated solvent, methyl ethyl ketone (MEK) for recovery of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) [P(HB-co-HV)] from bacterial cells. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 291-297.	2.6	14
31	Oil Palm Phenolics Inhibit the <i>In Vitro</i> Aggregation of β -Amyloid Peptide into Oligomeric Complexes. <i>International Journal of Alzheimer's Disease</i> , 2018, 2018, 1-12.	2.0	14
32	Using biopolymer bodies for encapsulation of hydrophobic products in bacterium. <i>Metabolic Engineering</i> , 2020, 61, 206-214.	7.0	13
33	Optimizing recombinering in <i>Corynebacterium glutamicum</i> . <i>Biotechnology and Bioengineering</i> , 2021, 118, 2255-2264.	3.3	13
34	Extension of Sp2/0 hybridoma cell viability through interleukin-6 supplementation. , 1997, 55, 439-446.		12
35	Modeling Framework to Evaluate Vaccine Strategies against the COVID-19 Pandemic. <i>Systems</i> , 2021, 9, 4.	2.3	12
36	Experimental evolution and gene knockout studies reveal AcrA-mediated isobutanol tolerance in <i>Ralstonia eutropha</i> . <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 64-69.	2.2	11

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37	Optimization of the Isopentenol Utilization Pathway for Isoprenoid Synthesis in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3512-3520.	5.2	11
38	Palm Fruit Bioactives augment expression of Tyrosine Hydroxylase in the Nile Grass Rat basal ganglia and alter the colonic microbiome. <i>Scientific Reports</i> , 2019, 9, 18625.	3.3	7
39	Weighing the DNA Content of Adeno-Associated Virus Vectors with Zeptogram Precision Using Nanomechanical Resonators. <i>Nano Letters</i> , 2022, 22, 1511-1517.	9.1	7
40	Lignocellulose-derived inhibitors improve lipid extraction from wet <i>Rhodococcus opacus</i> cells. <i>Bioresource Technology</i> , 2015, 193, 206-212.	9.6	6
41	Model-based control for column-based continuous viral inactivation of biopharmaceuticals. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3215-3224.	3.3	3
42	Effects of phosphoenol pyruvate carboxylase deficiency on metabolism and lysine production in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 1994, 40, 857-863.	3.6	2
43	Characterization of phosphoenolpyruvate carboxykinase from <i>Corynebacterium glutamicum</i> . <i>FEMS Microbiology Letters</i> , 1993, 111, 183-188.	1.8	2
44	Corrigendum to "Experimental evolution and gene knockout studies reveal AcrA-mediated isobutanol tolerance in <i>Ralstonia eutropha</i> " [Biosci Bioeng 122 (2016) 64-69]. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 658.	2.2	0