Anthony J Sinskey

List of Publications by Year
in descending order

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	Weighing the DNA Content of Adeno-Associated Virus Vectors with Zeptogram Precision Using Nanomechanical Resonators. Nano Letters, 2022, 22, 1511-1517.	9.1	7
2	Optimization of the Isopentenol Utilization Pathway for Isoprenoid Synthesis in Escherichia coli. Journal of Agricultural and Food Chemistry, 2022, 70, 3512-3520.	5.2	11
3	Constructing an ethanol utilization pathway in Escherichia coli to produce acetyl-CoA derived compounds. Metabolic Engineering, 2021, 65, 223-231.	7.0	31
4	Modeling Framework to Evaluate Vaccine Strategies against the COVID-19 Pandemic. Systems, 2021, 9, 4.	2.3	12
5	An absorbance method for analysis of enzymatic degradation kinetics of poly(ethylene terephthalate) films. Scientific Reports, 2021, 11, 928.	3.3	57
6	Optimizing recombineering in Corynebacterium glutamicum. Biotechnology and Bioengineering, 2021, 118, 2255-2264.	3.3	13
7	Analytical methods for process and product characterization of recombinant adeno-associated virus-based gene therapies. Molecular Therapy - Methods and Clinical Development, 2021, 20, 740-754.	4.1	85
8	Mechanistic model for production of recombinant adeno-associated virus via triple transfection of HEK293 cells. Molecular Therapy - Methods and Clinical Development, 2021, 21, 642-655.	4.1	39
9	Modelâ€based control for columnâ€based continuous viral inactivation of biopharmaceuticals. Biotechnology and Bioengineering, 2021, 118, 3215-3224.	3.3	3
10	Cellular pathways of recombinant adeno-associated virus production for gene therapy. Biotechnology Advances, 2021, 49, 107764.	11.7	22
11	Heterologous production of Î±-Carotene in Corynebacterium glutamicum using a multi-copy chromosomal integration method. Bioresource Technology, 2021, 341, 125782.	9.6	17
12	Modular engineering for microbial production of carotenoids. Metabolic Engineering Communications, 2020, 10, e00118.	3.6	72
13	Using biopolymer bodies for encapsulation of hydrophobic products in bacterium. Metabolic Engineering, 2020, 61, 206-214.	7.0	13
14	Palm Fruit Bioactives augment expression of Tyrosine Hydroxylase in the Nile Grass Rat basal ganglia and alter the colonic microbiome. Scientific Reports, 2019, 9, 18625.	3.3	7
15	Yeast-Based Synthetic Biology Platform for Antimicrobial Peptide Production. ACS Synthetic Biology, 2018, 7, 896-902.	3.8	76
16	Palm Fruit Bioactives modulate human astrocyte activity in vitro altering the cytokine secretome reducing levels of TNFÎ±, RANTES and IP-10. Scientific Reports, 2018, 8, 16423.	3.3	17
17	Oil Palm Phenolics Inhibit theIn VitroAggregation ofÎ²-Amyloid Peptide into Oligomeric Complexes. International Journal of Alzheimer's Disease, 2018, 2018, 1-12.	2.0	14
18	Absence of ppGpp Leads to Increased Mobilization of Intermediately Accumulated Poly(3-Hydroxybutyrate) in Ralstonia eutropha H16. Applied and Environmental Microbiology, 2017, 83, .	3.1	33

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19	Corrigendum to â€œExperimental evolution and gene knockout studies reveal AcrA-mediated isobutanol tolerance in Ralstonia eutrophaâ€•[J Biosci Bioeng 122 (2016) 64â€“69]. Journal of Bioscience and Bioengineering, 2017, 123, 658.	2.2	0
20	Production of Functional Anti-Ebola Antibodies in Pichia pastoris. ACS Synthetic Biology, 2017, 6, 2183-2190.	3.8	15
21	Over expression of GroESL in Cupriavidus necator for heterotrophic and autotrophic isopropanol production. Metabolic Engineering, 2017, 42, 74-84.	7.0	58
22	Experimental evolution and gene knockout studies reveal AcrA-mediated isobutanol tolerance in Ralstonia eutropha. Journal of Bioscience and Bioengineering, 2016, 122, 64-69.	2.2	11
23	Metabolic engineering Corynebacterium glutamicum to produce triacylglycerols. Metabolic Engineering, 2016, 33, 86-97.	7.0	27
24	Tolerance and adaptive evolution of triacylglycerol-producing Rhodococcus opacus to lignocellulose-derived inhibitors. Biotechnology for Biofuels, 2015, 8, 76.	6.2	68
25	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. Biotechnology and Bioprocess Engineering, 2015, 20, 291-297.	2.6	14
26	Lignocellulose-derived inhibitors improve lipid extraction from wet Rhodococcus opacus cells. Bioresource Technology, 2015, 193, 206-212.	9.6	6
27	Improved glycerol utilization by a triacylglycerol-producing Rhodococcus opacus strain for renewable fuels. Biotechnology for Biofuels, 2015, 8, 31.	6.2	52
28	Engineering l-arabinose metabolism in triacylglycerol-producing Rhodococcus opacus for lignocellulosic fuel production. Metabolic Engineering, 2015, 30, 89-95.	7.0	26
29	3D molecular MR imaging of liver fibrosis and response to rapamycin therapy in a bile duct ligation rat model. Journal of Hepatology, 2015, 63, 689-696.	3.7	57
30	Insights into bacterial CO2 metabolism revealed by the characterization of four carbonic anhydrases in Ralstonia eutropha H16. AMB Express, 2014, 4, 2.	3.0	44
31	The Rhodococcus opacus TadD protein mediates triacylglycerol metabolism by regulating intracellular NAD(P)H pools. Microbial Cell Factories, 2013, 12, 104.	4.0	29
32	Oil palm vegetation liquor: a new source of phenolic bioactives. British Journal of Nutrition, 2011, 106, 1655-1663.	2.3	57
33	Application of radiolabeled tracers to biocatalytic flux analysis. FEBS Journal, 2001, 268, 4950-4960.	0.2	16
34	Title is missing!. Biotechnology Letters, 2001, 23, 2057-2061.	2.2	16
35	Metabolite and isotopomer balancing in the analysis of metabolic cycles: I. Theory. , 1999, 62, 375-391.		76
36	Metabolite and isotopomer balancing in the analysis of metabolic cycles: II. Applications. , 1999, 62, 392-401.		51

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37	Growth factor and Bcl-2 mediated survival during abortive proliferation of hybridoma cell line. Biotechnology and Bioengineering, 1998, 57, 164-171.	3.3	42
38	PHA synthase activity controls the molecular weight and polydispersity of polyhydroxybutyrate in vivo. Nature Biotechnology, 1997, 15, 63-67.	17.5	196
39	Extension of Sp2/0 hybridoma cell viability through interleukin-6 supplementation. , 1997, 55, 439-446.		12
40	Recent Advances in the Physiology and Genetics of Amino Acid-Producing Bacteria. Critical Reviews in Biotechnology, 1995, 15, 73-103.	9.0	96
41	Regulation of phospho(enol)-pyruvate-and oxaloacetate-converting enzymes in Corynebacterium glutamicum. Applied Microbiology and Biotechnology, 1994, 41, 47-52.	3.6	31
42	Effects of phosphoenol pyruvate carboxylase deficiency on metabolism and lysine production in Corynebacterium glutamicum. Applied Microbiology and Biotechnology, 1994, 40, 857-863.	3.6	45
43	Effects of phosphoenol pyruvate carboxylase deficiency on metabolism and lysine production in Corynebacterium glutamicum. Applied Microbiology and Biotechnology, 1994, 40, 857-863.	3.6	2
44	Characterization of phosphoenolpyruvate carboxykinase from Corynebacterium glutamicum. FEMS Microbiology Letters, 1993, 111, 183-188.	1.8	2