Kristi Snell

List of Publications by Year
in descending order

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Version: 2024-02-01

21 papers	1,519 citations	394286 19 h-index	713332 21 g-index
21 all docs	21 docs citations	21 times ranked	1433 citing authors

#	Article	IF	Citations
1	PHA synthase activity controls the molecular weight and polydispersity of polyhydroxybutyrate in vivo. Nature Biotechnology, 1997, 15, 63-67.	9.4	196
2	Production of polyhydroxybutyrate in switchgrass, a valueâ€added coâ€product in an important lignocellulosic biomass crop. Plant Biotechnology Journal, 2008, 6, 663-678.	4.1	149
3	Class I and III Polyhydroxyalkanoate Synthases from Ralstonia eutropha and Allochromatium vinosum: Characterization and Substrate Specificity Studies. Archives of Biochemistry and Biophysics, 2001, 394, 87-98.	1.4	134
4	Polyhydroxybutyrate Synthase:Â Evidence for Covalent Catalysis. Journal of the American Chemical Society, 1996, 118, 6319-6320.	6.6	114
5	PHA bioplastic: A valueâ€added coproduct for biomass biorefineries. Biofuels, Bioproducts and Biorefining, 2009, 3, 456-467.	1.9	113
6	PHA Bioplastics, Biochemicals, and Energy from Crops. Plant Biotechnology Journal, 2013, 11, 233-252.	4.1	103
7	High Levels of Bioplastic Are Produced in Fertile Transplastomic Tobacco Plants Engineered with a Synthetic Operon for the Production of Polyhydroxybutyrate. Plant Physiology, 2011, 155, 1690-1708.	2.3	101
8	Identification and removal of impediments to biocatalytic synthesis of aromatics from D-glucose: rate-limiting enzymes in the common pathway of aromatic amino acid biosynthesis. Journal of the American Chemical Society, 1993, 115, 11581-11589.	6.6	98
9	Polyhydroxyalkanoate Polymers and Their Production in Transgenic Plants. Metabolic Engineering, 2002, 4, 29-40.	3.6	84
10	YfcX Enables Medium-Chain-Length Poly(3-Hydroxyalkanoate) Formation from Fatty Acids in Recombinant Escherichia coli fadB Strains. Journal of Bacteriology, 2002, 184, 5696-5705.	1.0	66
11	Synthetic Modification of theEscherichia coliChromosome:Â Enhancing the Biocatalytic Conversion of Glucose into Aromatic Chemicals. Journal of the American Chemical Society, 1996, 118, 5605-5614.	6.6	49
12	Production of novel biopolymers in plants: recent technological advances and future prospects. Current Opinion in Biotechnology, 2015, 32, 68-75.	3.3	49
13	Enhanced polyhydroxybutyrate production in transgenic sugarcane. Plant Biotechnology Journal, 2012, 10, 569-578.	4.1	46
14	A novel thiolase-reductase gene fusion promotes the production of polyhydroxybutyrate in Arabidopsis. Plant Biotechnology Journal, 2005, 3, 435-447.	4.1	45
15	Chemically inducible expression of the PHB biosynthetic pathway in Arabidopsis. Transgenic Research, 2007, 16, 759-769.	1.3	41
16	Production of high levels of polyâ€3âhydroxybutyrate in plastids of <scp>C</scp>amelina sativa seeds. Plant Biotechnology Journal, 2015, 13, 675-688.	4.1	35
17	Mild pyrolysis of P3HB/switchgrass blends for the production of bio-oil enriched with crotonic acid. Journal of Analytical and Applied Pyrolysis, 2014, 107, 40-45.	2.6	25
18	Reaction of 3-Dehydroshikimic Acid with Molecular Oxygen and Hydrogen Peroxide:â€‰ Products, Mechanism, and Associated Antioxidant Activity. Journal of the American Chemical Society, 1996, 118, 11587-11591.	6.6	23

#	Article	IF	Citations
19	The use of an acetoacetylâ€Co<scp>A</scp> synthase in place of a Î²â€ketothiolase enhances polyâ€3â€hydroxybutyrate production in sugarcane mesophyll cells. Plant Biotechnology Journal, 2015, 13, 700-707.	4.1	21
20	Factors affecting polyhydroxybutyrate accumulation in mesophyll cells of sugarcane and switchgrass. BMC Biotechnology, 2014, 14, 83.	1.7	18
21	Transgene autoexcision in switchgrass pollen mediated by the Bxb1 recombinase. BMC Biotechnology, 2014, 14, 79.	1.7	9