Sridhar Viamajala

List of Publications by Year
in descending order

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		331670	302126
38	1,877	21	39
papers	citations	h-index	g-index

40	40	40	2802
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deposition of Lignin Droplets Produced During Dilute Acid Pretreatment of Maize Stems Retards Enzymatic Hydrolysis of Cellulose. Biotechnology Progress, 2007, 23, 1333-1339.	2.6	406
2	Comparative study of pyrolysis of algal biomass from natural lake blooms with lignocellulosic biomass. Bioresource Technology, 2011, 102, 11018-11026.	9.6	239
3	Chromate/nitrite interactions inShewanella oneidensis MR-1: Evidence for multiple hexavalent chromium [Cr(VI)] reduction mechanisms dependent on physiological growth conditions. Biotechnology and Bioengineering, 2002, 78, 770-778.	3.3	97
4	Cultivation of Microalgae at Extreme Alkaline pH Conditions: A Novel Approach for Biofuel Production. ACS Sustainable Chemistry and Engineering, 2017, 5, 7284-7294.	6.7	95
5	Multiple mechanisms of uranium immobilization by Cellulomonas sp. strain ES6. Biotechnology and Bioengineering, 2011, 108, 264-276.	3.3	88
6	Toxic Effects of Chromium(VI) on Anaerobic and Aerobic Growth of Shewanella oneidensis MR-1. Biotechnology Progress, 2008, 20, 87-95.	2.6	75
7	Chromate Reduction in Shewanella oneidensis MR-1 Is an Inducible Process Associated with Anaerobic Growth. Biotechnology Progress, 2002, 18, 290-295.	2.6	73
8	Production of lipid and carbohydrate from microalgae without compromising biomass productivities: Role of Ca and Mg. Renewable Energy, 2018, 127, 989-997.	8.9	61
9	Solubilization, solution equilibria, and biodegradation of PAHâ€™s under thermophilic conditions. Chemosphere, 2007, 66, 1094-1106.	8.2	59
10	Detecting cellulase penetration into corn stover cell walls by immunoâ€electron microscopy. Biotechnology and Bioengineering, 2009, 103, 480-489.	3.3	56
11	Isolation and characterization of Cr(VI) reducing Cellulomonas spp. from subsurface soils: Implications for long-term chromate reduction. Bioresource Technology, 2007, 98, 612-622.	9.6	51
12	Modeling chromate reduction inShewanella oneidensis MR-1: Development of a novel dual-enzyme kinetic model. Biotechnology and Bioengineering, 2003, 83, 790-797.	3.3	49
13	Using life cycle assessment and techno-economic analysis in a real options framework to inform the design of algal biofuel production facilities. Bioresource Technology, 2017, 225, 418-428.	9.6	49
14	Hexavalent chromium reduction by Cellulomonas sp. strain ES6: the influence of carbon source, iron minerals, and electron shuttling compounds. Biodegradation, 2013, 24, 437-450.	3.0	44
15	Maximizing Algal Growth in Batch Reactors Using Sequential Change in Light Intensity. Applied Biochemistry and Biotechnology, 2010, 161, 511-522.	2.9	42
16	High Productivity Cultivation of Microalgae without Concentrated CO₂ Input. ACS Sustainable Chemistry and Engineering, 2019, 7, 1933-1943.	6.7	38
17	High-Yield Production of Fatty Nitriles by One-Step Vapor-Phase Thermocatalysis of Triglycerides. ACS Omega, 2017, 2, 9013-9020.	3.5	28
18	Cross-metathesis approach to produce precursors of nylon 12 and nylon 13 from microalgae. RSC Advances, 2014, 4, 55622-55628.	3.6	24

#	Article	IF	Citations
19	High-yield production of fuel- and oleochemical-precursors from triacylglycerols in a novel continuous-flow pyrolysis reactor. Applied Energy, 2016, 179, 755-764.	10.1	24
20	One-pot synthesis and recovery of fatty acid methyl esters (FAMEs) from microalgae biomass. Catalysis Today, 2016, 269, 29-39.	4.4	24
21	Simple Ring-Closing Metathesis Approach for Synthesis of PA11, 12, and 13 Precursors from Oleic Acid. ACS Sustainable Chemistry and Engineering, 2014, 2, 2831-2836.	6.7	23
22	Permeable reactive biobarriers for in situ Cr(VI) reduction: Bench scale tests using Cellulomonas sp. strain ES6. Biotechnology and Bioengineering, 2008, 101, 1150-1162.	3.3	22
23	In situ and Ex situ Catalytic Pyrolysis of Microalgae and Integration With Pyrolytic Fractionation. Frontiers in Chemistry, 2020, 8, 786.	3.6	22
24	Influence of carbon sources and electron shuttles on ferric iron reduction by Cellulomonas sp. strain ES6. Biodegradation, 2011, 22, 983-995.	3.0	18
25	Polyhydroxyalkanoate quantification in organic wastes and pure cultures using a single-step extraction and 1H NMR analysis. Water Science and Technology, 2012, 66, 1000-1006.	2.5	18
26	Catalyst Transport in Corn Stover Internodes Elucidating Transport Mechanisms Using Direct Blue-I. Applied Biochemistry and Biotechnology, 2006, 130, 509-527.	2.9	16
27	Evaluating the relative impacts of operational and financial factors on the competitiveness of an algal biofuel production facility. Bioresource Technology, 2016, 220, 271-281.	9.6	16
28	Pyrolytic Fractionation: A Promising Thermochemical Technique for Processing Oleaginous (Algal) Biomass. ACS Sustainable Chemistry and Engineering, 2018, 6, 237-247.	6.7	16
29	Selenite reduction by a denitrifying culture: batch- and packed-bed reactor studies. Applied Microbiology and Biotechnology, 2006, 71, 953-962.	3.6	15
30	Efficient Production of Alkanolamides from Microalgae. Industrial & Engineering Chemistry Research, 2015, 54, 4060-4065.	3.7	15
31	Flash Pyrolysis of Oleaginous Biomass in a Fluidized-Bed Reactor. Energy & Fuels, 2017, 31, 8326-8334.	5.1	15
32	Reactive Extraction of Triglycerides as Fatty Acid Methyl Esters using Lewis Acidic Chloroaluminate Ionic Liquids. Energy & Fuels, 2012, 26, 6411-6418.	5.1	12
33	Techno-Economic Assessment of Mixed-Furan Production from Diverse Biomass Hydrolysates. ACS Sustainable Chemistry and Engineering, 2021, 9, 3428-3438.	6.7	12
34	Toward Sustainable Synthesis of PA12 (Nylon-12) Precursor from Oleic Acid Using Ring-Closing Metathesis. ACS Sustainable Chemistry and Engineering, 2016, 4, 5703-5710.	6.7	11
35	Production of Organic Acids via Autofermentation of Microalgae: A Promising Approach for Sustainable Algal Biorefineries. Industrial & Engineering Chemistry Research, 2020, 59, 1772-1780.	3.7	9
36	Uptake of inorganic and organic nutrient species during cultivation of a Chlorella isolate in anaerobically digested dairy waste. Biotechnology Progress, 2016, 32, 1336-1342.	2.6	6

#	Article	IF	Citations
37	Quantification of triglyceride content in oleaginous materials using thermo-gravimetry. Journal of Analytical and Applied Pyrolysis, 2017, 128, 232-237.	5.5	6
38	Quantification of Lipid Content in Oleaginous Biomass Using Thermogravimetry. Methods in Molecular Biology, 2019, 1995, 121-129.	0.9	1