

Iris Vural Gursel

List of Publications by Year in descending order

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17
papers

674
citations

949033

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1113639

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docs citations

17
times ranked

893
citing authors

#	ARTICLE	IF	CITATIONS
1	Variable demand as a means to more sustainable biofuels and biobased materials. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 15-31.	1.9	6
2	Comparative cradle-to-grave life cycle assessment of bio-based and petrochemical PET bottles. <i>Science of the Total Environment</i> , 2021, 793, 148642.	3.9	25
3	Techno-economic comparative assessment of novel lignin depolymerization routes to bio-based aromatics. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 1068-1084.	1.9	48
4	Techno-economic and ex-ante environmental assessment of C6 sugars production from spruce and corn. Comparison of organosolv and wet milling technologies. <i>Journal of Cleaner Production</i> , 2018, 170, 610-624.	4.6	31
5	Production of 1,3-butadiene and μ -caprolactam from C6 sugars: Techno-economic analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 600-623.	1.9	12
6	MAB2.0 project: Integrating algae production into wastewater treatment. <i>The EuroBiotech Journal</i> , 2018, 2, 10-23.	0.5	10
7	Fluidic separation in microstructured devices – Concepts and their Integration into process flow networks. <i>Chemical Engineering Science</i> , 2017, 169, 3-17.	1.9	27
8	Liquid-liquid extraction system with microstructured coiled flow inverter and other capillary setups for single-stage extraction applications. <i>Chemical Engineering Journal</i> , 2016, 284, 764-777.	6.6	121
9	Utilization of milli-scale coiled flow inverter in combination with phase separator for continuous flow liquid-liquid extraction processes. <i>Chemical Engineering Journal</i> , 2016, 283, 855-868.	6.6	114
10	Separation/recycling methods for homogeneous transition metal catalysts in continuous flow. <i>Green Chemistry</i> , 2015, 17, 2012-2026.	4.6	143
11	Continuous metal scavenging and coupling to one-pot copper-catalyzed azide-alkyne cycloaddition click reaction in flow. <i>Chemical Engineering Journal</i> , 2015, 270, 468-475.	6.6	39
12	Life cycle assessment for the direct synthesis of adipic acid in microreactors and benchmarking to the commercial process. <i>Chemical Engineering Journal</i> , 2013, 234, 300-311.	6.6	36
13	Improving Energy Efficiency of Process of Direct Adipic Acid Synthesis in Flow Using Pinch Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 7827-7835.	1.8	12
14	Downstream processing in biotechnology. <i>Green Processing and Synthesis</i> , 2013, 2, .	1.3	0
15	Improving profitability through green manufacturing: creating a profitable and environmentally compliant manufacturing facility. <i>Green Processing and Synthesis</i> , 2013, 2, .	1.3	0
16	Window of opportunity – potential of increase in profitability using modular compact plants and micro-reactor based flow processing. <i>Green Processing and Synthesis</i> , 2012, 1, .	1.3	8
17	Potential Analysis of Smart Flow Processing and Micro Process Technology for Fastening Process Development – Use of Chemistry and Process Design as Intensification Fields. <i>Chemie-Ingenieur-Technik</i> , 2012, 84, 660-684.	0.4	42