

Dennis J Miller

List of Publications by Year in descending order

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26
papers

1,483
citations

430874
18
h-index

552781
26
g-index

27
all docs

27
docs citations

27
times ranked

2050
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient ethanol production from brown macroalgae sugars by a synthetic yeast platform. <i>Nature</i> , 2014, 505, 239-243.	27.8	299
2	Catalytic Upgrading of Fermentation-Derived Organic Acids. <i>Biotechnology Progress</i> , 1999, 15, 845-854.	2.6	153
3	Mild electrocatalytic hydrogenation and hydrodeoxygenation of bio-oil derived phenolic compounds using ruthenium supported on activated carbon cloth. <i>Green Chemistry</i> , 2012, 14, 2540.	9.0	143
4	Aromatics from biomass pyrolysis vapour using a bifunctional mesoporous catalyst. <i>Green Chemistry</i> , 2014, 16, 803-812.	9.0	106
5	Electrocatalytic upgrading of model lignin monomers with earth abundant metal electrodes. <i>Green Chemistry</i> , 2015, 17, 601-609.	9.0	101
6	A mild approach for bio-oil stabilization and upgrading: electrocatalytic hydrogenation using ruthenium supported on activated carbon cloth. <i>Green Chemistry</i> , 2014, 16, 844-852.	9.0	79
7	Reaction Kinetics for the Heterogeneously Catalyzed Esterification of Succinic Acid with Ethanol. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 5313-5317.	3.7	77
8	Reaction Kinetics of the Catalytic Esterification of Citric Acid with Ethanol. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 3180-3187.	3.7	68
9	Vapor-Liquid Equilibria in the Systems Ethyl Lactate + Ethanol and Ethyl Lactate + Water. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1220-1225.	1.9	57
10	A Kinetic Model for the Esterification of Lactic Acid and Its Oligomers. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 5251-5257.	3.7	50
11	Kinetics of Aqueous-Phase Hydrogenation of Organic Acids and Their Mixtures over Carbon Supported Ruthenium Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 3334-3340.	3.7	48
12	Condensed-Phase Ethanol Conversion to Higher Alcohols. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 10991-11000.	3.7	48
13	Mixed Succinic Acid/Acetic Acid Esterification with Ethanol by Reactive Distillation.. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 9209-9220.	3.7	36
14	Continuous condensed-phase ethanol conversion to higher alcohols: Experimental results and techno-economic analysis. <i>Journal of Cleaner Production</i> , 2019, 209, 1365-1375.	9.3	34
15	Impact of Water on Condensed Phase Ethanol Guerbet Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 6579-6585.	3.7	28
16	Kinetics of Propionic Acid and Isoamyl Alcohol Liquid Esterification with Amberlyst 70 as Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 18153-18161.	3.7	24
17	Kinetics of Mixed Ethanol/ <i>n</i> -Butanol Esterification of Butyric Acid with Amberlyst 70 and <i>p</i> -Toluene Sulfonic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 1845-1853.	3.7	22
18	Effects of Ammonium Lactate on 2,3-Pentanedione Formation from Lactic Acid. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 3873-3877.	3.7	20

#	ARTICLE	IF	CITATIONS
19	Formation and Recovery of Itaconic Acid from Aqueous Solutions of Citraconic Acid and Succinic Acid. Industrial & Engineering Chemistry Research, 2002, 41, 2069-2073.	3.7	18
20	Vapor-Liquid-Liquid Equilibrium (VLLE) and Vapor Pressure Data for the Systems 2-Methyl-1,3-dioxolane (2MD) + Water and 2,4-Dimethyl-1,3-dioxolane (24DMD) + Water. Journal of Chemical & Engineering Data, 2003, 48, 44-47.	1.9	17
21	Hydrogenation of Amino Acid Mixtures to Amino Alcohols. Industrial & Engineering Chemistry Research, 2008, 47, 7648-7653.	3.7	17
22	Condensed-Phase Ethanol Conversion to Higher Alcohols over Bimetallic Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 13906-13915.	3.7	17
23	Interaction of polyols with ruthenium metal surfaces in aqueous solution. Green Chemistry, 2009, 11, 1979.	9.0	8
24	Enhanced Acrylate Production from 2-Acetoxypropanoic Acid Esters. Organic Process Research and Development, 2017, 21, 715-719.	2.7	8
25	Kinetics of Citraconic Anhydride Formation via Condensation of Formaldehyde and Succinates. Organic Process Research and Development, 2002, 6, 611-617.	2.7	3
26	Condensed Phase Guerbet Reactions of Ethanol/Isoamyl Alcohol Mixtures. Reactions, 2020, 1, 102-114.	2.1	1