

Robertus Hendrikus Venderbosch

List of Publications by Year in descending order

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17
papers

1,331
citations

687363

13
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

1468
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrotreatment of Fast Pyrolysis Oil Using Heterogeneous Noble-Metal Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 10324-10334.	3.7	519
2	Insights in the hydrotreatment of fast pyrolysis oil using a ruthenium on carbon catalyst. <i>Energy and Environmental Science</i> , 2010, 3, 962.	30.8	149
3	Catalytic hydrotreatment of fast pyrolysis oil using bimetallic Ni-Cu catalysts on various supports. <i>Applied Catalysis A: General</i> , 2012, 449, 121-130.	4.3	121
4	Characterization of Hydrotreated Fast Pyrolysis Liquids. <i>Energy & Fuels</i> , 2010, 24, 5264-5272.	5.1	90
5	Reforming of methanol and glycerol in supercritical water. <i>Journal of Supercritical Fluids</i> , 2011, 58, 99-113.	3.2	77
6	Valorisation of <i>Jatropha curcas</i> L. plant parts: Nut shell conversion to fast pyrolysis oil. <i>Food and Bioproducts Processing</i> , 2009, 87, 187-196.	3.6	72
7	Methanol synthesis beyond chemical equilibrium. <i>Chemical Engineering Science</i> , 2013, 87, 204-208.	3.8	72
8	Modeling and Experimental Studies on Phase and Chemical Equilibria in High-Pressure Methanol Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 12233-12243.	3.7	42
9	Catalytic upgrading of sugar fractions from pyrolysis oils in supercritical mono-alcohols over Cu doped porous metal oxide. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 56-65.	20.2	36
10	Mono-, bi-, and tri-metallic Ni-based catalysts for the catalytic hydrotreatment of pyrolysis liquids. <i>Biomass Conversion and Biorefinery</i> , 2017, 7, 361-376.	4.6	32
11	Explorative catalyst screening studies on reforming of glycerol in supercritical water. <i>Journal of Supercritical Fluids</i> , 2012, 70, 171-181.	3.2	25
12	Catalytic Hydrotreatment of the Pyrolytic Sugar and Pyrolytic Lignin Fractions of Fast Pyrolysis Liquids Using Nickel Based Catalysts. <i>Energies</i> , 2020, 13, 285.	3.1	19
13	Hydrotreatment of the carbohydrate-rich fraction of pyrolysis liquids using bimetallic Ni based catalyst: Catalyst activity and product property relations. <i>Fuel Processing Technology</i> , 2018, 169, 258-268.	7.2	18
14	Phase equilibrium data of hydrogen in pyrolysis oil and hydrogenated pyrolysis oil at elevated pressures. <i>Journal of Supercritical Fluids</i> , 2013, 80, 86-89.	3.2	13
15	Stabilization of fast pyrolysis liquids from biomass by catalytic hydrotreatment using Raney nickel catalysts. <i>Fuel Processing Technology</i> , 2021, 219, 106846.	7.2	12
16	Observation of Phase Behavior for Bio-oil + Diesel + Carbon Dioxide and Bio-oil + Tail Water + Carbon Dioxide System. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 648-652.	1.9	7
17	Catalytic Hydrotreatment of Fast Pyrolysis Oils Using Supported Metal Catalysts. <i>RSC Energy and Environment Series</i> , 2014, , 151-173.	0.5	3