

Michele Corbetta

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

417
citations

1040056

9
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic modeling of the thermal degradation and combustion of biomass. <i>Chemical Engineering Science</i> , 2014, 110, 2-12.	3.8	137
2	Pyrolysis of Centimeter-Scale Woody Biomass Particles: Kinetic Modeling and Experimental Validation. <i>Energy & Fuels</i> , 2014, 28, 3884-3898.	5.1	116
3	Biomass gasification using low-temperature solar-driven steam supply. <i>Renewable Energy</i> , 2015, 74, 671-680.	8.9	40
4	Process simulator-based optimization of biorefinery downstream processes under the Generalized Disjunctive Programming framework. <i>Computers and Chemical Engineering</i> , 2016, 88, 73-85.	3.8	26
5	Multi-scale Kinetic Modeling and Experimental Investigation of Syngas Production from Coal Gasification in Updraft Gasifiers. <i>Energy & Fuels</i> , 2015, 29, 3972-3984.	5.1	24
6	Modelling a reactor cell for operando IR studies: From qualitative to fully quantitative kinetic investigations. <i>Catalysis Today</i> , 2017, 283, 176-184.	4.4	23
7	Aromatization of propane: Techno-economic analysis by multiscale "kinetics-to-process" simulation. <i>Computers and Chemical Engineering</i> , 2014, 71, 457-466.	3.8	20
8	Spectrokinetic Analysis of the NO _x Storage Over a Pt/Ba/Al ₂ O ₃ Lean NO _x Trap Catalyst. <i>Topics in Catalysis</i> , 2013, 56, 311-316.	2.8	13
9	CATalytic "Post Processor (CAT-PP): A new methodology for the CFD-based simulation of highly diluted reactive heterogeneous systems. <i>Computers and Chemical Engineering</i> , 2014, 60, 76-85.	3.8	12
10	Mathematical Modelling of Coal and Biomass Gasification: Comparison on the Syngas H ₂ /CO Ratio under Different Operating Conditions. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 1669-1674.	0.5	6
11	Systematic Design of Biorefinery Downstream Processes. , 2017, , 683-712.		0