

Francesco Zimbardi

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

546
citations

759055

12
h-index

887953

17
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21
all docs

21
docs citations

21
times ranked

700
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Oxygen and Steam Equivalence Ratios on Updraft Gasification of Biomass. <i>Energies</i> , 2021, 14, 2675.	1.6	14
2	Modelling the biomass updraft gasification process using the combination of a pyrolysis kinetic model and a thermodynamic equilibrium model. <i>Energy Reports</i> , 2021, 7, 8051-8061.	2.5	14
3	Optimized Organosolv Pretreatment of Biomass Residues Using 2-Methyltetrahydrofuran and n-Butanol. <i>Processes</i> , 2021, 9, 2051.	1.3	15
4	Experimental investigation of syngas composition variation along updraft fixed bed gasifier. <i>Energy Conversion and Management</i> , 2020, 221, 113116.	4.4	57
5	Biomass pyrolysis TGA assessment with an international round robin. <i>Fuel</i> , 2020, 276, 118002.	3.4	85
6	A Feasibility Study of Cellulosic Isobutanol Production—Process Simulation and Economic Analysis. <i>Processes</i> , 2019, 7, 667.	1.3	21
7	Development of Low-Cost, Crack-Tolerant Metallization Using Screen Printing. , 2019, , .		2
8	Gasification of Agroresidues for Syngas Production. <i>Energies</i> , 2018, 11, 1280.	1.6	16
9	Air-steam and oxy-steam gasification of hydrolytic residues from biorefinery. <i>Fuel Processing Technology</i> , 2017, 167, 451-461.	3.7	43
10	Fabrication and Modeling of High-Efficiency Front Junction N-Type Silicon Solar Cells With Tunnel Oxide Passivating Back Contact. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 1236-1243.	1.5	36
11	Field-effect passivation by charge injection into SiNx using a novel low-cost plasma charging method. , 2016, , .		4
12	Use of composted agro-energy co-products and agricultural residues against soil-borne pathogens in horticultural soil-less systems. <i>Scientia Horticulturae</i> , 2016, 210, 166-179.	1.7	32
13	Evaluation of a pilot-scaled paddle dryer for the production of ethanol from lignocellulose including inhibitor removal and high-solids enzymatic hydrolysis. <i>Biotechnology Reports (Amsterdam)</i> , Tj ETQq1 1 02784314 ngBT /Ov		
14	730 mV implied Voc enabled by tunnel oxide passivated contact with PECVD grown and crystallized n+ polycrystalline Si. , 2015, , .		4
15	Antifungal activity of liquid waste obtained from the detoxification of steam-exploded plant biomass against plant pathogenic fungi. <i>Crop Protection</i> , 2014, 55, 109-118.	1.0	12
16	Ion-implanted and screen-printed large area 20% efficient N-type front junction Si solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2014, 123, 92-96.	3.0	41
17	Fully Ion-Implanted and Screen-Printed 20.2% Efficient Front Junction Silicon Cells on 239 cm \times 2) n-Type CZ Substrate. <i>IEEE Journal of Photovoltaics</i> , 2014, 4, 58-63.	1.5	30
18	High-Throughput Ion-Implantation for Low-Cost High-Efficiency Silicon Solar Cells. <i>Energy Procedia</i> , 2012, 15, 10-19.	1.8	92

#	ARTICLE	IF	CITATIONS
19	Suppressiveness of steam-exploded biomass of <i>Miscanthus sinensis</i> var. <i>giganteus</i> against soil-borne plant pathogens. <i>Crop Protection</i> , 2011, 30, 246-252.	1.0	9
20	Evaluation of Reaction Order and Activation Energy of Char Combustion by Shift Technique. <i>Combustion Science and Technology</i> , 2000, 156, 251-269.	1.2	9