

Luis F Razon

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,534
citations

471509

17
h-index

345221

36
g-index

39
all docs

39
docs citations

39
times ranked

1862
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiesel fuels. <i>Progress in Energy and Combustion Science</i> , 2017, 58, 36-59.	31.2	537
2	Net energy analysis of the production of biodiesel and biogas from the microalgae: <i>Haematococcus pluvialis</i> and <i>Nannochloropsis</i> . <i>Applied Energy</i> , 2011, 88, 3507-3514.	10.1	239
3	Multiplicities and instabilities in chemically reacting systems – a review. <i>Chemical Engineering Science</i> , 1987, 42, 1005-1047.	3.8	177
4	Can global pharmaceutical supply chains scale up sustainably for the COVID-19 crisis?. <i>Resources, Conservation and Recycling</i> , 2020, 159, 104868.	10.8	51
5	Life cycle analysis of an alternative to the haber–bosch process: Non–renewable energy usage and global warming potential of liquid ammonia from cyanobacteria. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 618-624.	2.3	47
6	Design of experiments for global sensitivity analysis in life cycle assessment: The case of biodiesel in Vietnam. <i>Resources, Conservation and Recycling</i> , 2017, 119, 12-23.	10.8	44
7	Evaluation of Indian milkweed (<i>Calotropis gigantea</i>) seed oil as alternative feedstock for biodiesel. <i>Industrial Crops and Products</i> , 2014, 54, 226-232.	5.2	43
8	Chaos during the oxidation of carbon monoxide on platinum – experiments and analysis. <i>Chemical Engineering Science</i> , 1986, 41, 1561-1576.	3.8	42
9	Probabilistic multi-disruption risk analysis in bioenergy parks via physical input–output modeling and analytic hierarchy process. <i>Sustainable Production and Consumption</i> , 2015, 1, 22-33.	11.0	32
10	A methodology for criticality analysis in integrated energy systems. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 935-946.	4.1	32
11	Life cycle energy and greenhouse gas profile of a process for the production of ammonium sulfate from nitrogen-fixing photosynthetic cyanobacteria. <i>Bioresource Technology</i> , 2012, 107, 339-346.	9.6	27
12	Optimization of the Automotive Ammonia Fuel Cycle Using P-Graphs. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8277-8283.	6.7	21
13	Reactive nitrogen: A perspective on its global impact and prospects for its sustainable production. <i>Sustainable Production and Consumption</i> , 2018, 15, 35-48.	11.0	21
14	Kenaf oil methyl esters. <i>Industrial Crops and Products</i> , 2013, 49, 568-572.	5.2	20
15	Methyl Esters (Biodiesel) from and Fatty Acid Profile of <i>Gliricidia sepium</i> Seed Oil. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2015, 92, 769-775.	1.9	18
16	P-Graph Approach to Optimizing Crisis Operations in an Industrial Complex. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3467-3477.	3.7	18
17	P-graph approach to criticality analysis in integrated bioenergy systems. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 1841-1854.	4.1	17
18	Fuzzy optimization of the automotive ammonia fuel cycle. <i>Journal of Cleaner Production</i> , 2018, 186, 877-882.	9.3	16

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19	Fatty Acid Profile of Kenaf Seed Oil. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2013, 90, 835-840.	1.9	15
20	Is nitrogen fixation (once again) "œvital to the progress of civilized humanity"? <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 301-307.	4.1	15
21	Analyzing the disruption resilience of bioenergy parks using dynamic inoperability input"output modeling. <i>Environment Systems and Decisions</i> , 2015, 35, 351-362.	3.4	15
22	Methyl esters (biodiesel) from <i>Pachyrhizus erosus</i> seed oil. <i>Biofuels</i> , 2018, 9, 449-454.	2.4	10
23	Teaching Analytic Hierarchy Process (AHP) in undergraduate chemical engineering courses. <i>Education for Chemical Engineers</i> , 2018, 23, 34-41.	4.8	9
24	Fuzzy automated targeting for trade-off analysis in batch water networks. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2011, 6, 537-551.	1.5	8
25	Fatty Acid Profiles of Some Fabaceae Seed Oils. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2016, 93, 1007-1011.	1.9	8
26	Fatty acids, triterpenes and cycloalkanes in ficus seed oils. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 127-131.	5.8	8
27	Fatty acid profile of <i>Albizia lebbeck</i> and <i>Albizia samar</i> seed oils: Presence of coronaric acid. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 567-574.	1.5	7
28	Multi-criteria approach to assess stakeholders preferences for selection of biodiesel feedstock in Vietnam. <i>International Journal of Business and Systems Research</i> , 2016, 10, 306.	0.3	7
29	A design of experiments approach to the sensitivity analysis of the life cycle cost of biodiesel. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 573-580.	4.1	7
30	A Comparative Environmental Life Cycle Assessment of the Combustion of Ammonia/Methane Fuels in a Tangential Swirl Burner. <i>Frontiers in Chemical Engineering</i> , 2021, 3, .	2.7	7
31	A Deficiency-One Algorithm for power-law kinetic systems with reactant-determined interactions. <i>Journal of Mathematical Chemistry</i> , 2018, 56, 2929-2962.	1.5	5
32	Robustness in Power-Law Kinetic Systems with Reactant-Determined Interactions. <i>Lecture Notes in Computer Science</i> , 2021, , 106-121.	1.3	4
33	Life-cycle costing: Analysis of biofuel production systems. , 2020, , 227-253.		2
34	LCA of Mortar with Calcined Clay and Limestone Filler in RC Column Retrofit. <i>Sustainability</i> , 2022, 14, 1175.	3.2	2
35	EFFECT OF REACTOR HEAT CAPACITY ON THE STABILITY AND START-UP TIME OF A DIABATIC CONTROLLED-CYCLED STIRRED TANK REACTOR. <i>Chemical Engineering Communications</i> , 2005, 192, 1194-1203.	2.6	1
36	Methyl esters (biodiesel) from <i>Melanolepis multiglandulosa</i> (alim) seed oil and their properties. <i>Biofuels</i> , 2019, 10, 239-243.	2.4	1

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37	Green Synthesis, Characterization, and Catalytic Activity of Amine-multiwalled Carbon Nanotube for Biodiesel Production. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2022, 17, 286-303.	1.1	1
38	Fatty Acid Profiles of <i>Garuga floribunda</i> , <i>Ipomoea pes-caprae</i> , <i>Melanolepis multiglandulosa</i> and <i>Premna odorata</i> Seed Oils. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2017, 94, 333-338.	1.9	0