

João Gomes

List of Publications by Year in descending order

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82
papers

2,199
citations

218381

26
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243296

44
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87
all docs

87
docs citations

87
times ranked

2613
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of Alkali dopants on the Oil Methanolysis Behavior of Lime Catalyst: Activity & Stability. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 748-757.	1.2	1
2	Advanced instrumental approaches for chemical characterization of indoor particulate matter. Applied Spectroscopy Reviews, 2022, 57, 705-745.	3.4	13
3	Particulate matter indoors: a strategy to sample and monitor size-selective fractions. Applied Spectroscopy Reviews, 2022, 57, 675-704.	3.4	10
4	Influence of an Extreme Saharan Dust Event on the Air Quality of the West Region of Portugal. Gases, 2022, 2, 74-84.	1.0	6
5	Co-processing lard/soybean oil over Ca-based catalysts to greener biodiesel. Environmental Technology and Innovation, 2021, 21, 101220.	3.0	7
6	Antimicrobial Ceramic Filters for Water Bio-Decontamination. Coatings, 2021, 11, 323.	1.2	11
7	Dry washing biodiesel purification using fumed silica sorbent. Chemical Engineering Journal, 2020, 386, 123930.	6.6	61
8	Biofouling Inhibition with Grafted Ecomea Biocide: Toward a Nonreleasing Eco-Friendly Multiresistant Antifouling Coating. ACS Sustainable Chemistry and Engineering, 2020, 8, 12-17.	3.2	34
9	Solvent Assisted Biodiesel Production by Co-processing Beef Tallow and Soybean Oil Over Calcium Catalysts. Waste and Biomass Valorization, 2020, 11, 6249-6259.	1.8	8
10	A Review on Bio-Based Catalysts (Immobilized Enzymes) Used for Biodiesel Production. Energies, 2020, 13, 3013.	1.6	61
11	Nanoparticle exposure and hazard in the ceramic industry: an overview of potential sources, toxicity and health effects. Environmental Research, 2020, 184, 109297.	3.7	32
12	Evaluation of the amount of nanoparticles emitted in LASER additive manufacture/welding. Inhalation Toxicology, 2019, 31, 125-130.	0.8	6
13	Calcium diglyceroxide as a catalyst for biodiesel production. Journal of Environmental Chemical Engineering, 2019, 7, 103099.	3.3	46
14	Towards the Development of Syngas/Biomethane Electrolytic Production, Using Liquefied Biomass and Heterogeneous Catalyst. Energies, 2019, 12, 3787.	1.6	32
15	Biodiesel Production Processes and Sustainable Raw Materials. Energies, 2019, 12, 4408.	1.6	183
16	Preliminary Study on the Use of Biodiesel Obtained from Waste Vegetable Oils for Blending with Hydrotreated Kerosene Fossil Fuel Using Calcium Oxide (CaO) from Natural Waste Materials as Heterogeneous Catalyst. Energies, 2019, 12, 4306.	1.6	8
17	Soybean Oil Transesterification for Biodiesel Production with Micro-Structured Calcium Oxide (CaO) from Natural Waste Materials as a Heterogeneous Catalyst. Energies, 2019, 12, 4670.	1.6	21
18	Liquid-liquid equilibrium for ternary system containing biodiesel, methanol and water. Journal of Environmental Chemical Engineering, 2018, 6, 984-990.	3.3	22

#	ARTICLE	IF	CITATIONS
19	Synthesis gas production from water electrolysis, using the Electrocracking concept. Journal of Environmental Chemical Engineering, 2018, 6, 604-609.	3.3	9
20	Methane production by a combined Sabatier reaction/water electrolysis process. Journal of Environmental Chemical Engineering, 2018, 6, 671-676.	3.3	27
21	Determination of "safe" and "critical" nanoparticles exposure to welders in a workshop. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 767-775.	1.1	1
22	Evaluation of the amount of nanoparticles emitted in welding fume from stainless steel using different shielding gases. Inhalation Toxicology, 2017, 29, 282-289.	0.8	4
23	Calcium Rich Food Wastes Based Catalysts for Biodiesel Production. Waste and Biomass Valorization, 2017, 8, 1699-1707.	1.8	42
24	Electrons or protons: What is the cause of forest fires in western Europe on June 18, 2017?. Journal of the Geographical Institute Jovan Cvijic SASA, 2017, 67, 213-218.	0.3	2
25	Caracterización experimental de las emisiones de nanopartículas en el tratamiento de AA6061, AISI304 y Ti6Al4V por ondas de choque generadas por LASER. Revista De Metalurgia, 2017, 53, 104.	0.1	0
26	Scale-Up Effects of CO2 Capture by Methyldiethanolamine (MDEA) Solutions in Terms of Loading Capacity. Technologies, 2016, 4, 19.	3.0	16
27	Deriving an Indoor Environmental Index for Portuguese Office Buildings. Technologies, 2016, 4, 40.	3.0	3
28	Biodiesel production over lime. Catalytic contributions of bulk phases and surface Ca species formed during reaction. Renewable Energy, 2016, 99, 622-630.	4.3	37
29	New process for simultaneous removal of CO ₂ , SO _x and NO _x . Ciência & Tecnologia Dos Materiais, 2016, 28, 106-111.	0.5	9
30	Choosing amine-based absorbents for CO ₂ capture. Environmental Technology (United Kingdom) 19(12) 1071-1078	1.2	52
31	Preliminary study of synthesis gas production from water electrolysis, using the ELECTROFUEL® concept. Energy, 2015, 89, 1050-1056.	4.5	18
32	The effect of metal transfer modes and shielding gas composition on the emission of ultrafine particles in MAG steel welding. Soldagem e Inspecao, 2014, 19, 168-176.	0.6	4
33	Determination of Airborne Nanoparticles in Elderly Care Centers. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 867-878.	1.1	14
34	Characterization of airborne particles generated from metal active gas welding process. Inhalation Toxicology, 2014, 26, 345-352.	0.8	21
35	The effect of metal transfer stability (spattering) on fume generation, morphology and composition in short-circuit MAG welding. Journal of Materials Processing Technology, 2014, 214, 1388-1397.	3.1	30
36	Biodiesel production over lithium modified lime catalysts: Activity and deactivation. Applied Catalysis A: General, 2014, 470, 451-457.	2.2	63

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37	Emission of Nanoparticles During Friction Stir Welding (FSW) of Aluminium Alloys. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 924-930.	1.1	6
38	Biodiesel production from waste frying oils over lime catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2013, 109, 405-415.	0.8	30
39	Effect of the oil acidity on the methanolysis performances of lime catalyst biodiesel from waste frying oils (WFO). Fuel Processing Technology, 2013, 116, 94-100.	3.7	66
40	p-Xylene Oxidation to Terephthalic Acid: A Literature Review Oriented toward Process Optimization and Development. Chemical Reviews, 2013, 113, 7421-7469.	23.0	311
41	TEM analysis as a tool for toxicological assessment of occupational exposure to airborne nanoparticles from welding. Microscopy and Microanalysis, 2013, 19, 153-154.	0.2	7
42	Assessment of exposure to airborne ultrafine particles in the urban environment of Lisbon, Portugal. Journal of the Air and Waste Management Association, 2012, 62, 373-380.	0.9	37
43	Comparison of deposited surface area of airborne ultrafine particles generated from two welding processes. Inhalation Toxicology, 2012, 24, 774-781.	0.8	29
44	Status of biodiesel production using heterogeneous alkaline catalysts. International Journal of Environmental Studies, 2012, 69, 635-653.	0.7	12
45	Determination of Airborne Nanoparticles from Welding Operations. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 747-755.	1.1	47
46	Exposure to airborne ultrafine particles from cooking in Portuguese homes. Journal of the Air and Waste Management Association, 2012, 62, 1116-1126.	0.9	15
47	SCREENING HETEROGENEOUS CATALYSTS FOR TRANSESTERIFICATION OF TRIGLYCERIDES TO BIODIESEL. International Journal of Energy for A Clean Environment, 2011, 12, 45-54.	0.6	3
48	Study on the use of MgAl hydrotalcites as solid heterogeneous catalysts for biodiesel production. Energy, 2011, 36, 6770-6778.	4.5	91
49	Study on the glycerolysis reaction of high free fatty acid oils for use as biodiesel feedstock. Fuel Processing Technology, 2011, 92, 1225-1229.	3.7	77
50	Design of a new test chamber for evaluation of the toxicity of rubber infill. Toxicology Mechanisms and Methods, 2011, 21, 622-627.	1.3	1
51	Notice on a Case Study on the Utilization of Wind Energy Potential on a Remote and Isolated Small Wastewater Treatment Plant. Smart Grid and Renewable Energy, 2011, 02, 293-299.	0.7	2
52	Assessment of the impact of the European CO2 emissions trading scheme on the Portuguese chemical industry. Energy Policy, 2010, 38, 626-632.	4.2	57
53	Toxicological Assessment of Coated versus Uncoated Rubber Granulates Obtained from Used Tires for Use in Sport Facilities. Journal of the Air and Waste Management Association, 2010, 60, 741-746.	0.9	32
54	Advances on the development of novel heterogeneous catalysts for transesterification of triglycerides in biodiesel. Fuel, 2010, 89, 3602-3606.	3.4	74

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55	A simulation study on the abatement of CO ₂ emissions by de-absorption with monoethanolamine. Environmental Technology (United Kingdom), 2010, 31, 107-115.	1.2	52
56	A MODEL FOR ABATEMENT OF CO ₂ EMISSIONS BY DE-ABSORPTION WITH MONOETHANOLAMINE. International Journal of Energy for A Clean Environment, 2009, 10, 181-192.	0.6	0
57	Development of heterogeneous catalysts for transesterification of triglycerides. Reaction Kinetics and Catalysis Letters, 2008, 95, 273-279.	0.6	21
58	Estimating local greenhouse gas emissions – A case study on a Portuguese municipality. International Journal of Greenhouse Gas Control, 2008, 2, 130-135.	2.3	23
59	Solar activity as a possible cause of large forest fires – A case study: Analysis of the Portuguese forest fires. Science of the Total Environment, 2008, 394, 197-205.	3.9	28
60	An Investigation of the Synthesis Parameters of the Reaction of Hydroxyapatite Precipitation in Aqueous Media. International Journal of Chemical Reactor Engineering, 2008, 6, .	0.6	8
61	Reflections on the use of renewable power sources and nuclear energy in Portugal. International Journal of Environmental Studies, 2008, 65, 755-767.	0.7	7
62	ASSESSING THE POSSIBILITY OF CORROSION OCCURRENCE IN METALLIC STACKS CAUSED BY HYDROCHLORIC ACID. Chemical Engineering Communications, 2007, 194, 754-759.	1.5	0
63	Developing a local carbon dioxide emissions inventory based on energy demand and waste production. International Journal of Environmental Studies, 2007, 64, 347-355.	0.7	0
64	Development of a Local Carbon Dioxide Emissions Inventory Based on Energy Demand and Waste Production. Journal of the Air and Waste Management Association, 2007, 57, 1032-1037.	0.9	8
65	New technologies for effective forest fire fighting. International Journal of Environmental Studies, 2007, 64, 243-251.	0.7	20
66	Measurements of Indoor Air Pollutant Levels in a University Office Building. Journal of Green Building, 2007, 2, 123-129.	0.4	5
67	THE IMPORTANCE OF CONSIDERING BUILDING DOWNWASH WHEN ASSESSING THE NEED TO HEIGHTEN STACKS OF EXISTING SMALL-AND MEDIUM-SIZED INDUSTRIES. Clean Air, 2007, 8, 25-32.	0.0	1
68	Forest fires in Portugal: how they happen and why they happen. International Journal of Environmental Studies, 2006, 63, 109-119.	0.7	28
69	Fume emissions during gas metal arc welding. Toxicological and Environmental Chemistry, 2006, 88, 385-394.	0.6	56
70	Estimation of uncertainty in the determination of nitrogen oxides emissions. Accreditation and Quality Assurance, 2006, 11, 138-145.	0.4	0
71	Analysis of welding fumes: A short note on the comparison between two sampling techniques. Toxicological and Environmental Chemistry, 2005, 87, 345-349.	0.6	7
72	Evaluation of Compliance with National Legislation on Emissions in Portugal. Journal of the Air and Waste Management Association, 2005, 55, 497-501.	0.9	2

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73	Profile: air quality regulation policy in Portugal. Environmental Policy and Governance, 2004, 14, 40-49.	0.4	3
74	Emission and odour control in Kraft pulp mills. Journal of Cleaner Production, 2003, 11, 797-801.	4.6	30
75	Diagnostic Study of Critical Circuits of the Kraft Pulp Production Process Considering the Environmental Aspects. Journal of the Air and Waste Management Association, 2002, 52, 765-768.	0.9	0
76	Atmospheric emissions of Kraft pulp mills. Chemical Engineering and Processing: Process Intensification, 2002, 41, 667-671.	1.8	14
77	Characterisation of non-condensable sulphur containing gases from Kraft pulp mills. Chemosphere, 2001, 44, 1011-1016.	4.2	12
78	Assessment of Opacimeter Calibration According to International Standard Organization 10155. Journal of the Air and Waste Management Association, 2001, 51, 3-6.	0.9	0
79	Assessment of opacimeter calibration on kraft pulp mills. Atmospheric Environment, 1998, 32, 659-664.	1.9	2
80	Characterisation of non-condensable sulphur containing gases from kraft pulp mills. Chemosphere, 1998, 37, 1235-1240.	4.2	5
81	Pollutant atmospheric emissions from Portuguese Kraft pulp mills. Science of the Total Environment, 1997, 208, 139-143.	3.9	8
82	Notice on a methodology for characterizing emissions of ultrafine particles/nanoparticles in microenvironments. Energy and Emission Control Technologies, 0, , 15.	0.5	7