Maria Alexsandra de Sousa Rios

List of Publications by Year
in descending order

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40	468	623188	713013
papers	citations	14	21
		h-index	g-index

40	40	40	475
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of antioxidant properties of a phosphorated cardanol compound on mineral oils (NH10) Tj ETQq1 1 0.784314 rgBT /Overlock	3.4	56
2	Comparative study of synthetic and natural antioxidants on the oxidative stability of biodiesel from Tilapia oil. Renewable Energy, 2020, 156, 1100-1106.	4.3	53
3	Study of kinetics and thermodynamic parameters of the degradation process of biodiesel produced from fish viscera oil. Fuel Processing Technology, 2017, 161, 95-100.	3.7	28
4	Antioxidative Activity of 5-n-Pentadecyl-2-tert-butylphenol Stabilizers in Mineral Lubricant Oil. Energy & Fuels, 2010, 24, 3285-3291.	2.5	27
5	Thermal behavior of phosphorus derivatives of hydrogenated cardanol. Fuel Processing Technology, 2012, 96, 1-8.	3.7	27
6	Effect of organophosphate antioxidant on the thermo-oxidative degradation of a mineral oil. Journal of Thermal Analysis and Calorimetry, 2013, 111, 553-559.	2.0	27
7	Anticonvulsant effect of anacardic acid in murine models: Putative role of GABAergic and antioxidant mechanisms. Biomedicine and Pharmacotherapy, 2018, 106, 1686-1695.	2.5	23
8	Cashew Nut Shell Liquid: A Versatile Raw Material Utilized for Syntheses of Phosphorus Compounds. Energy & Fuels, 2009, 23, 5432-5437.	2.5	22
9	Influence of Synthetic and Natural Antioxidants on the Oxidation Stability of Beef Tallow Before Biodiesel Production. Waste and Biomass Valorization, 2019, 10, 797-803.	1.8	22
10	Study of Antioxidant Properties of 5-n-Pentadecyl-2-tert-amylphenol. Energy & Fuels, 2009, 23, 2517-2522.	2.5	21
11	A thermogravimetric analysis of biomass wastes from the northeast region of Brazil as fuels for energy recovery. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 1557-1572.	1.2	21
12	Evaluation of antioxidants on the thermo-oxidative stability of soybean biodiesel. Journal of Thermal Analysis and Calorimetry, 2013, 112, 921-927.	2.0	19
13	Effects of Amine and Phenolic Based Antioxidants on the Stability of Babassu Biodiesel Using Rancimat and Differential Scanning Calorimetry Techniques. Industrial & Engineering Chemistry Research, 2020, 59, 18-24.	1.8	19
14	Study of antioxidant property of a thiosphorated compound derived from cashew nut shell liquid in hydrogenated naphthenics oils. Brazilian Journal of Chemical Engineering, 2008, 25, 119-127.	0.7	17
15	Evaluation of oxidative stability of soybean biodiesel using ethanolic and chloroform extracts of Platymiscium floribundum as antioxidant. Renewable Energy, 2020, 159, 767-774.	4.3	15
16	Anxiolytic effect of anacardic acids from cashew (Anacardium occidentale) nut shell in mice. IUBMB Life, 2018, 70, 420-431.	1.5	14
17	Effect of additives on the oxidative stability and corrosivity of biodiesel samples derived from babassu oil and residual frying oil: An experimental and theoretical assessment. Fuel, 2021, 289, 119939.	3.4	11
18	A potential bio-antioxidant for mineral oil from cashew nutshell liquid: an experimental and theoretical approach. Brazilian Journal of Chemical Engineering, 2020, 37, 369-381.	0.7	10

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19	Kinetic and thermal stability study of hydrogenated cardanol and alkylated hydrogenated cardanol. Journal of Thermal Analysis and Calorimetry, 2015, 120, 1617-1625.	2.0	9
20	Castorâ€“babassu biodiesel blends: estimating kinetic parameters by Differential Scanning Calorimetry using the Borchardt and Daniels method. SN Applied Sciences, 2019, 1, 1.	1.5	6
21	Antidepressantâ€like effect of anacardic acid in mice via the Lâ€arginineâ€“nitric oxideâ€“serotonergic system. Phytotherapy Research, 2019, 33, 2126-2138.	2.8	4
22	Blendas de bagaÃ§o de cana-de-aÃ§Ãºcar, podas de mangueira e cajueiro: caracterizaÃ§Ã£o das propriedades e investigaÃ§Ã£o de seus potenciais energÃ©ticos. Revista Materia, 2019, 24, .	0.1	4
23	Thermal and photochemical behavior of trans-ruthenium(II) dichloride tetraphosphite complexes. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 184, 265-272.	2.0	3
24	Cashew nut husk and babassu coconut husk residues: evaluation of their energetic properties. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-9.	1.2	3
25	Accelerated oxidation of fresh and stored biodiesel samples obtained from castor and soybean oils using the petrooxy method. Biofuels, 2021, 12, 543-547.	1.4	2
26	Green methodology for synthesis of alkylated cardanol based on the green chemical principles. Progress in Industrial Ecology, 2015, 9, 312.	0.1	1
27	Evaluation of the anticonvulsant and antioxidant activity of alkylated cardanol in rodents. Natural Product Research, 2020, 35, 1-7.	1.0	1
28	Insights into the Antimicrobial Activity of Hydrated Cobaltmolybdate Doped with Copper. Molecules, 2021, 26, 1267.	1.7	1
29	Phosphorus cardanol: chemical characterization and thermal stability. Scientia Plena, 2016, 12, .	0.1	1
30	A realizaÃ§Ã£o de visitas tÃ©cnicas na formaÃ§Ã£o profissional do TÃ©cnico em QuÃmica: um estudo de caso. Research, Society and Development, 2020, 9, e419985651.	0.0	1
31	Babassu Biodiesel Doped with Antioxidants: Assessment of Thermoâ€Oxidative Stability by Borchardt and Daniels Method. JAOCS, Journal of the American Oil Chemists' Society, 2020, 97, 1355-1363.	0.8	0
32	Aceite de coco babasÃº (Orbignya speciosa Mart.) extraÃdo industrialmente y manualmente como materia prima para la producciÃ³n de biodiÃ©sel. Revista Ion, 2021, 34, .	0.1	0
33	Degradation of Textile Dye Using the Advanced Oxidation Processes Photo- Fenton and Solar Photo-Fenton. Revista Virtual De Quimica, 2021, 13, 335-346.	0.1	0
34	Facile synthesis of H-CoMoO4 nanosheets for antibacterial approaches. Chemical Papers, 2022, 76, 1085-1095.	1.0	0
35	Utilization of compounds derived from biomass for solution of the industrial problems of the biofuels section. Estudos TecnolÃ³gicos Em Engenharia, 2012, 7, 163-176.	0.1	0
36	AvaliaÃ§Ã£o do Uso dos Antioxidantes Comerciais BHT e IONOL na Estabilidade Oxidativa de Sebo Bovino. ConexÃµes - CiÃªncia E Tecnologia, 2016, 10, .	0.0	0

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37	InvestigaÃ§Ã£o do potencial do talo e da palha da carnaÃºba para utilizaÃ§Ã£o como biocombustÃvel. Revista Materia, 2019, 24, .	0.1	0
38	Soybean and babassu biodiesel production: a laboratory scale study and an exergy analysis approach. Revista Materia, 2020, 25, .	0.1	0
39	AvaliaÃ§Ã£o do Ã³leo e biodiesel de soja (glycine max) a partir de parÃ¢metros fÃsico-quÃmicos. Brazilian Journal of Development, 2020, 6, 12685-12694.	0.0	0
40	AnÃ¡lise do uso de resÃduo da siderurgia para aplicaÃ§Ã£o em cerÃ¢mica vermelha atravÃ©s da caracterizaÃ§Ã£o quÃmica e mineralÃ³gica. Revista Materia, 2021, 26, .	0.1	0