

Cheila Mothe

List of Publications by Year in descending order

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65
papers

1,245
citations

394286

19
h-index

395590

33
g-index

66
all docs

66
docs citations

66
times ranked

1724
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of sugarcane and coconut fibers by thermal analysis and FTIR. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 661-665.	2.0	167
2	Rheological behavior of aqueous dispersions of cashew gum and gum arabic: effect of concentration and blending. <i>Food Hydrocolloids</i> , 1999, 13, 501-506.	5.6	130
3	Study of kinetic parameters of thermal decomposition of bagasse and sugarcane straw using Friedman and Ozawaâ€œFlynnâ€œWall isoconversional methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 497-505.	2.0	94
4	Thermal behavior of gum arabic in comparison with cashew gum. <i>Thermochimica Acta</i> , 2000, 357-358, 9-13.	1.2	85
5	Properties of polyurethane elastomers and composites by thermal analysis. <i>Thermochimica Acta</i> , 2000, 357-358, 321-325.	1.2	64
6	Thermal and rheological study of polysaccharides for enhanced oil recovery. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 85, 31-36.	2.0	57
7	Cashew nut and cashew apple: a scientific and technological monitoring worldwide review. <i>Journal of Food Science and Technology</i> , 2020, 57, 12-21.	1.4	47
8	Thermal characterization of asphalt mixtures by TG/DTG, DTA and FTIR. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 93, 105-109.	2.0	39
9	Kinetic study of heavy crude oils by thermal analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 663-668.	2.0	30
10	Thermal Decomposition Kinetics of Polyurethane-composites with Bagasse of Sugar Cane. <i>Magyar AprÃ³vd KÃ¶zlemÃ©nyek</i> , 2002, 67, 305-312.	1.4	28
11	Characterization by TG/DTG/DSC and FTIR of frying and fish oil residues to obtain biodiesel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 811-817.	2.0	27
12	Estimating the required underground natural gas storage capacity in Brazil from the gas industry characteristics of countries with gas storage facilities. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 18, 120-130.	2.1	26
13	Kinetic parameters of different asphalt binders by thermal analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 679-684.	2.0	25
14	Steam-exploded fibers of almond tree leaves as reinforcement of novel recycled polypropylene composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 11791-11800.	2.6	25
15	Long-term intake of edible oils benefits blood pressure and myocardial structure in spontaneously hypertensive rat (SHR) and streptozotocin diabetic SHR. <i>Prostaglandins and Other Lipid Mediators</i> , 2005, 78, 231-248.	1.0	21
16	Quantitative analysis of biodegradable amphiphilic poly(L-lactide)-block-poly(ethyleneglycol)-blockpoly(L-lactide) by using TG, FTIR and NMR. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 85, 173-177.	2.0	21
17	Thermal properties of amphiphilic biodegradable triblock copolymer of l,l-lactide and ethylene glycol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 101, 229-233.	2.0	21
18	Thermal investigation of heavy crude oil by simultaneous TGâ€œDSCâ€œFTIR and EDXRF. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 525-531.	2.0	21

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19	Phase behavior of biodegradable amphiphilic poly(l,l-lactide)-b-poly(ethylene glycol)-b-poly(l,l-lactide). <i>Thermochimica Acta</i> , 2006, 445, 61-66.	1.2	20
20	Thermal and mechanical characteristics of polyurethane/curaua fiber composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 95, 181-185.	2.0	20
21	Thermal behavior of cashew gum by simultaneous TG/DTG/DSC-FT-IR and EDXRF. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 1509-1514.	2.0	18
22	Characterization of dental composites by thermal analysis, infrared spectroscopy and scanning electron microscopy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 585-589.	2.0	16
23	Macroscopic and physiochemical characterization of a sugarless and gluten-free cake enriched with fibers made from pumpkin seed (<i>Cucurbita maxima</i> , L.) flour and cornstarch. <i>Food Science and Technology</i> , 2011, 31, 109-118.	0.8	16
24	Lifetime prediction and kinetic parameters of thermal decomposition of cashew gum by thermal analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 397-404.	2.0	16
25	Thermal property study of keratin from industrial residue by extraction, processing and application. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 417-426.	2.0	16
26	Natural food for domestic animals: A national and international technological review. <i>Research in Veterinary Science</i> , 2020, 130, 11-18.	0.9	13
27	Thermal evaluation of heavy crude oil by simultaneous TG-DSC-FTIR: Part 2. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 1357-1363.	2.0	11
28	Decomposition through pyrolysis process of coconut fiber and rice husk and determination of kinetic parameters according isoconversional methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 601-609.	2.0	11
29	Cashew Tree Gum: A Scientific and Technological Review. <i>International Journal of Environment Agriculture and Biotechnology</i> , 2017, 2, 681-688.	0.0	10
30	Processes occurring during the sintering of porous ceramic materials by TG/DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 819-822.	2.0	9
31	Technological Foresight Based on Citing and Cited Patents of Cellulose with Pharmaceutical Applications. <i>Journal of Technology Management and Innovation</i> , 2009, 4, .	0.5	9
32	Study of recycling and biodegradability of ethylene-co-vinyl acetate reject by thermal analysis. <i>Polymer Degradation and Stability</i> , 1997, 57, 183-186.	2.7	8
33	Dynamic Mechanical and Thermal Behavior Analysis of Composites Based on Polypropylene Recycled with Vegetal Leaves. <i>Materials Sciences and Applications</i> , 2016, 07, 349-357.	0.3	8
34	Solid State NMR Study of Natural Fibres. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2001, 49, 231-236.	1.8	7
35	Thermoanalytical investigation of blood. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 85, 247-251.	2.0	7
36	Preparation and characterization of poly(l,l-lactide)-b-poly(ethylene glycol)-b-poly(l,l-lactide) (PLLA-PEG-PLLA) microspheres having encapsulated tetracycline. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 671-677.	2.0	7

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37	NMR study of CNSL/EVA blends compatibility. <i>Polymer Testing</i> , 1996, 15, 91-97.	2.3	6
38	Solid state carbon-13 NMR study of structural polymeric industrial reject. <i>Polymer Testing</i> , 1998, 17, 289-295.	2.3	6
39	Thermal study of the fossilization processes of the extinct fishes in Araripe Geopark. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 93, 101-104.	2.0	6
40	Thermal behavior of asphalt binder with modifying agents from industrial residues. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 3619-3633.	2.0	6
41	Thermal behavior of the heart of SHR and wistar rats. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 80, 429-433.	2.0	5
42	Biodegradable nanosize particles of poly(L-lactide)-poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 1939-1946.	1.5	5
43	The effects of cashew gum as anti-hypertensive agent. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 717-720.	2.0	5
44	Technological monitoring of cyclodextrin " World panorama. <i>World Patent Information</i> , 2014, 39, 41-49.	0.7	5
45	Comparative thermal study of heavy crude oils by DSC. <i>Petroleum Science and Technology</i> , 2016, 34, 314-320.	0.7	5
46	Thermal evaluation of composites from coffee capsules residue with sugarcane bagasse by TG/DTA and DMA. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 651-660.	2.0	5
47	Thermal and surface study of phenolic resin from cashew nut shell liquid cured by plasma treatment. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 821-826.	2.0	4
48	Thermal and rheological behavior of non-nutritive sweeteners. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 3577-3586.	2.0	4
49	Photosensitive polyurethanes based on castor oil. <i>Polymer Bulletin</i> , 1995, 34, 663-668.	1.7	3
50	Solid-state ¹³ C-NMR and study of the subproducts obtained from corn industry. <i>Journal of Applied Polymer Science</i> , 2002, 84, 1680-1685.	1.3	3
51	Solid-state nuclear magnetic resonance study of polyurethane/natural fibers composites. <i>Journal of Applied Polymer Science</i> , 2002, 85, 1465-1468.	1.3	3
52	Thermal investigation of uncased and cased tobacco. <i>Thermochimica Acta</i> , 2002, 392-393, 51-54.	1.2	3
53	Thermoanalytical study of organs of spontaneous hypertension rats. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 85, 61-63.	2.0	3
54	Technological Monitoring Applied to Survey-Based on Brazilian Patent Applications about PEMFC. <i>Journal of Technology Management and Innovation</i> , 2011, 6, 145-160.	0.5	3

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55	Carbon-13 NMR high resolution and thermogravimetric study of CNSL/EVA blends compatibility. <i>Polymer Testing</i> , 1996, 15, 437-441.	2.3	2
56	Sintering of Granite and Marble Reject. <i>Key Engineering Materials</i> , 2001, 189-191, 132-137.	0.4	2
57	Study of Kinetic Parameters of Reject/Clay/Composites by Thermal Analysis. <i>Magyar Ápril</i> 3- <i>vad Kémiai Közlemények</i> , 2002, 67, 381-389.	1.4	2
58	Sustainable uses of cashew tree rejects: cashew apple bagasse and cashew gum. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 2623-2630.	2.9	2
59	Comparative Life Cycle Assessment of Coffee Capsule Recycling Process and Its Composites Reinforced with Natural Fibers. <i>Journal of Polymers and the Environment</i> , 2022, 30, 1380-1390.	2.4	2
60	Biodegradability of polysaccharide/EVA reject blends by high resolution NMR and mechanical property. <i>Polymer Degradation and Stability</i> , 1998, 61, 253-257.	2.7	1
61	Replacing Coal by Tire Powder in Ceramic Industry. <i>Materials Science Forum</i> , 2005, 498-499, 470-475.	0.3	1
62	Thermal analysis of a model bio-membrane. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 637-642.	2.0	1
63	New Regional Editor. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 5-6.	2.0	1
64	Avaliação de compostos odontológicos por análise térmica e microscopia eletrônica de varredura. <i>Polimeros</i> , 2009, 19, 85-93.	0.2	1
65	1st Brazilian Congress of Rheology (CBR 2011). <i>Applied Rheology</i> , 2011, 21, 364-365.	3.5	0