

Gilbert Bannach

List of Publications by Year in descending order

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87
papers

982
citations

516215

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580395

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88
times ranked

1004
citing authors

#	ARTICLE	IF	CITATIONS
1	The thermal, rheological and structural properties of cassava starch granules modified with hydrochloric acid at different temperatures. <i>Thermochimica Acta</i> , 2013, 552, 65-69.	1.2	53
2	Thermal, rheological, and structural behaviors of natural and modified cassava starch granules, with sodium hypochlorite solutions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 2217-2222.	2.0	47
3	Thermoanalytical study of some anti-inflammatory analgesic agents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 163-170.	2.0	39
4	Thermal behaviour of corn starch granules under action of fungal α -amylase. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 93, 445-449.	2.0	34
5	Intriguing light-emission features of ketoprofen-based Eu(III) adduct due to a strong electron-phonon coupling. <i>Journal of Luminescence</i> , 2016, 170, 357-363.	1.5	34
6	Using thermal and spectroscopic data to investigate the thermal behavior of epinephrine. <i>Thermochimica Acta</i> , 2010, 499, 123-127.	1.2	31
7	Thermal behavior of some antihistamines. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 2019-2028.	2.0	31
8	Thermal stability and thermal decomposition of sucralose. <i>Eletica Quimica</i> , 2009, 34, 21-26.	0.2	29
9	Thermal and spectroscopic studies of the antioxidant food additive propyl gallate. <i>Food Chemistry</i> , 2015, 182, 89-94.	4.2	27
10	Spectroscopic, luminescence and in vitro biological studies of solid ketoprofen of heavier trivalent lanthanides and yttrium(III). <i>Journal of Inorganic Biochemistry</i> , 2014, 140, 160-166.	1.5	25
11	Thermal and spectroscopic studies on solid Ketoprofen of lighter trivalent lanthanides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 371-379.	2.0	24
12	Thermal and spectroscopic studies on solid ibuprofen complexes of lighter trivalent lanthanides. <i>Thermochimica Acta</i> , 2014, 575, 226-232.	1.2	24
13	Thermal stability and thermal decomposition of the antihypertensive drug amlodipine besylate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 889-892.	2.0	23
14	Thermal analysis as a screening technique for the characterization of babassu flour and its solid fractions after acid and enzymatic hydrolysis. <i>Thermochimica Acta</i> , 2011, 519, 50-54.	1.2	19
15	Spectroscopic characterization and thermal behavior of baru nut and macaw palm vegetable oils and their epoxidized derivatives. <i>Industrial Crops and Products</i> , 2020, 154, 112585.	2.5	19
16	Synthesis, characterization and thermal behaviour of solid-state compounds of yttrium and lanthanide benzoates. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 90, 737-746.	2.0	18
17	Solid-state thermal and spectroscopic studies of the anti-inflammatory drug sulindac using UV-Vis, MIR, NIR, DSC, simultaneous TG-DSC, and the coupled techniques TG-EGA-MIR and DSC-optical microscopy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 2523-2530.	2.0	18
18	Thermoanalytical study of purine derivatives compounds. <i>Eletica Quimica</i> , 2004, 29, 71-78.	0.2	17

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19	Thermoanalytical and starch content evaluation of cassava bagasse as agro-industrial residue. <i>Brazilian Archives of Biology and Technology</i> , 2009, 52, 143-150.	0.5	17
20	Investigation and characterization by TG/DTG/DTA and DSC of the fusion of Riboflavin, and its interaction with the antibiotic norfloxacin in the screening of cocrystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 581-588.	2.0	17
21	Opportunities for the Use of Brazilian Biomass to Produce Renewable Chemicals and Materials. <i>ChemSusChem</i> , 2021, 14, 169-188.	3.6	17
22	Synthesis, characterization and thermal behaviour on solid tartrates of some bivalent metal ions. <i>Thermochimica Acta</i> , 2009, 496, 156-160.	1.2	16
23	Thermoanalytical study of nimesulide and their recrystallization products obtained from solutions of several alcohols. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 2385-2390.	2.0	15
24	MOF-Based Erodible System for On-Demand Release of Bioactive Flavonoid at the Polymer-Tissue Interface. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4539-4550.	2.6	15
25	THERMOANALYTICAL STUDY OF MONOMERS: BisGMA, BisEMA, TEGDMA, UDMA. <i>Brazilian Journal of Thermal Analysis</i> , 2015, 4, 28.	0.0	15
26	Synthesis, characterization and thermal studies on solid compounds of 2-chlorobenzylidenepyruvate of heavier trivalent lanthanides and yttrium(III). <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 83, 233-240.	2.0	14
27	Microwave-Assisted Syntheses of Vegetable Oil-Based Monomer: A Cleaner, Faster, and More Energy Efficient Route. <i>Journal of Polymers and the Environment</i> , 2020, 28, 1265-1278.	2.4	14
28	Thermal, spectroscopic and in vitro biological studies of the lanthanum complex of naproxen. <i>Thermochimica Acta</i> , 2016, 644, 43-49.	1.2	13
29	Use of curcumin and glycerol as an effective photoinitiating system in the polymerization of urethane dimethacrylate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1671-1682.	2.0	13
30	New thermal study of polymerization and degradation kinetics of methylene diphenyl diisocyanate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 1455-1462.	2.0	13
31	Thermal studies, degradation kinetic, equilibrium solubility, DFT, MIR, and XRPD analyses of a new cocrystal of gemfibrozil and isonicotinamide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 2049-2062.	2.0	13
32	Synthesis, characterization and thermal behaviour of solid-state compounds of benzoates with some bivalent transition metal ions. <i>Quimica Nova</i> , 2007, 30, 318-322.	0.3	12
33	New fluorescein dye derivatives and their use as an efficient photoinitiator using blue light LED. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 343, 112-118.	2.0	12
34	Synthesis, characterization and thermal behaviour of solid 4-methoxybenzoates of heavier trivalent lanthanides. <i>Thermochimica Acta</i> , 2006, 451, 149-155.	1.2	11
35	Synthesis, characterization and thermal behaviour of solid-state compounds of 4-methoxybenzoate with lanthanum (III) and trivalent lighter lanthanides. <i>Ectetica Quimica</i> , 2006, 31, 21-30.	0.2	10
36	Solid-state compounds of 2-chlorobenzylidenepyruvate with some bivalent metal ions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 90, 873-879.	2.0	10

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37	2-Methoxybenzylidenepyruvate with heavier trivalent lanthanides and yttrium(III). <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 953-959.	2.0	10
38	Use of DSC in degree of conversion of dimethacrylate polymers: easier and faster than MIR technique. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1423-1427.	2.0	10
39	Synthesis and characterization of a biopolymer of glycerol and macadamia oil. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 161-170.	2.0	10
40	Synthesis, characterization and thermal behaviour of solid-state compounds of 4-methoxybenzoate with some bivalent transition metal ions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 323-328.	2.0	9
41	Thermal studies on solid 2-chlorobenzylidenepyruvate of lighter trivalent lanthanides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 329-334.	2.0	9
42	Thermoanalytical study of sweetener myo-inositol: $\hat{1}\pm$ and $\hat{1}^2$ polymorphs. <i>Food Chemistry</i> , 2017, 237, 1149-1154.	4.2	9
43	Investigation of thermal degradation products of mebendazole by thermal and spectroscopic analysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 135, 76-84.	2.6	9
44	Synthesis, characterization and thermal behaviour on solid pyruvates of light trivalent lanthanides. <i>Ecletica Quimica</i> , 2007, 32, 49-54.	0.2	9
45	Thermal study and physico-chemical characterization of some functional properties of guava seeds protein isolate (psidium guajava). <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 83, 709-713.	2.0	8
46	Solid-state 2-methoxybenzoates of light trivalent lanthanides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 91, 897-902.	2.0	8
47	Synthesis, characterization and thermal behaviour of solid 2-methoxybenzoates of trivalent metals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 945-951.	2.0	7
48	Flame retardant properties of the bark powder of <i>Anadenanthera peregrina</i> var. <i>falcata</i> (Benth.) Altschul (angico) studied by coupled thermogravimetry–Fourier transform infrared spectroscopy. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 106, 187-189.	2.6	7
49	Thermal, spectroscopic and biological studies on solid ibuprofen complexes of heavy trivalent lanthanides and yttrium. <i>Thermochimica Acta</i> , 2017, 647, 47-54.	1.2	7
50	A deep investigation into the thermal degradation of urethane dimethacrylate polymer. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	2.0	7
51	An investigation of the thermal behavior of heterobimetallic species containing copper(II) and tetracyanopalladate(II). <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 779-782.	2.0	6
52	Synthesis and thermal study of polymers from soybean, sunflower, and grape seed maleinated oil. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600515.	1.0	6
53	Dimethacrylate polymers with different glycerol content. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1579-1591.	2.0	6
54	Synthesis of luminescent polymers in the UV light region from dimethacrylate monomer using novel quinoline dyes. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47461.	1.3	6

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55	Lanthanum(III) and neodymium(III) complexes with anti-inflammatory drug sulindac: Synthesis, characterization, thermal investigation using coupled techniques TG-FTIR, and in vitro biological studies. <i>Inorganica Chimica Acta</i> , 2020, 503, 119408.	1.2	6
56	A new acrylated monomer from macaw vegetable oil that polymerizes without external photoinitiators. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	6
57	Synthesis, characterization and thermal behaviour of heavy lanthanide and yttrium pyruvates in the solid state. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 95-100.	2.0	5
58	Thermal studies on solid 1,4-bis(3-carboxy-3-oxo-prop-1-enyl) benzene of lighter trivalent lanthanides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 525-529.	2.0	5
59	Thermal study and characterization of nicotinate of some alkaline earth metals using TG-DSC-FTIR and DSC-system photovisual. <i>Thermochimica Acta</i> , 2015, 604, 7-15.	1.2	5
60	Polymorphism of gemfibrozil: Investigation by thermal and spectroscopic methods. <i>Thermochimica Acta</i> , 2019, 675, 113-118.	1.2	5
61	Synthesis and characterization of Fe(III)-doped ceramic membranes of titanium dioxide and its application in photoelectrocatalysis of a textile dye. <i>Eletica Quimica</i> , 2011, 36, 18-36.	0.2	5
62	Solid state thermal and spectroscopic studies on the antibiotic amoxicillin trihydrate. <i>Brazilian Journal of Thermal Analysis</i> , 2014, 2, 45.	0.0	5
63	Non-isothermal kinetic study of andiroba and babassu oils. <i>Brazilian Journal of Thermal Analysis</i> , 2017, 6, .	0.0	5
64	Solid-state compounds of 2-methoxybenzylidenepyruvate and 2-methoxycinnamylidenepyruvate with thorium (IV). <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 643-649.	2.0	3
65	Epoxidation reaction in promising Brazilian biomass: decreased time and catalyst loading to produce renewable monomers. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	3
66	AIE Effect by Oxygen Clustering in Vegetable Oil-Based Polymers. <i>ChemistrySelect</i> , 2021, 6, 7838-7844.	0.7	3
67	Efeito da complexação de metais aos antiinflamatórios na ação contra agentes oxidativos e radicais livres: a ação do cetoprofeno. <i>Eletica Quimica</i> , 2011, 36, 107-127.	0.2	3
68	Synthesis and thermal studies of new soybean and grape seed oil-based polymers: Clean and efficient pathway using green Chemistry principles. <i>Brazilian Journal of Thermal Analysis</i> , 2016, 5, 16-20.	0.0	3
69	Synthesis and thermal studies of solid state 2-chloro-benzylidenepyruvic acid and its compounds with sodium, aluminium (III), gallium (III) and indium (III) cations. <i>Eletica Quimica</i> , 2004, 29, 31-40.	0.2	2
70	Effect of metal oxide fillers in urethane dimethacrylate polymer with glycerol obtained by photopolymerization synthesis. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	2
71	Effect of the milling process on the thermal behavior and crystallinity of buckwheat starch. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 689-697.	2.0	2
72	Green and Efficient Modification of Grape Seed Oil to Synthesize Renewable Monomers. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	2

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73	A compatibility study between rice starch and some non-steroidal anti-inflammatories. <i>Thermochimica Acta</i> , 2021, 698, 178888.	1.2	2
74	Rare-earth complexes with anti-inflammatory drug sulindac: Synthesis, characterization, spectroscopic and in vitro biological studies. <i>Inorganica Chimica Acta</i> , 2021, 526, 120516.	1.2	2
75	NEW COMPLEXES OF LIGHTER TRIVALENT LANTHANIDES WITH INDOMETHACIN ANTI-INFLAMMATORY DRUG: SYNTHESIS, THERMAL PROPERTIES AND SPECTROSCOPIC STUDY IN THE SOLID STATE.. <i>Brazilian Journal of Thermal Analysis</i> , 2015, 4, 13.	0.0	2
76	Thermal behavior of some cyclic anhydrides: an important characterization for synthesis in the polymer field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 9095-9106.	2.0	2
77	SYNTHESIS, THERMAL AND SPECTROSCOPIC STUDIES OF LITHIUM SALT OF NAPROXEN.. <i>Brazilian Journal of Thermal Analysis</i> , 2015, 4, 39.	0.0	1
78	Synthesis, characterization and thermal behaviour of solid state compounds of 2-chlorobenzylidenepyruvate with trivalent aluminium, gallium, indium and scandium metals. <i>Eletica Quimica</i> , 2003, 28, 19-24.	0.2	0
79	Synthesis, characterization and thermal studies of solid state 4-methylbenzylidenepyruvate of some trivalent metal ions. <i>Eletica Quimica</i> , 2005, 30, 25-30.	0.2	0
80	Spectroscopy and thermal studies of valsartan compounds with metals Mn(II), Fe(II), Co(II), Ni(II), Cu(II) and Zn(II) in the solid state. <i>Thermochimica Acta</i> , 2021, 698, 178892.	1.2	0
81	PERSPECTIVAS PARA A FORMACAO INICIAL DO PROFESSOR-PESQUISADOR DE QUIMICA E CIENCIAS. <i>Publicatio UEPG - Ciencias Exatas E Da Terra Agrarias E Engenharias</i> , 2008, 14, 99-108.	0.0	0
82	Thermal, spectroscopic and DFT studies of solid benzamide. <i>Brazilian Journal of Thermal Analysis</i> , 2014, 3, 5.	0.0	0
83	ESTUDO DE UMA METODOLOGIA PARA REMOÇÃO DE Cr(III) PROVENIENTE DE CURTUMES. <i>Brazilian Journal of Thermal Analysis</i> , 0, 7, 34.	0.0	0
84	THERMAL CHARACTERIZATION OF SOYBEAN AND GRAPE SEED OIL-BASED POLYMERS: NEW SYNTHESIS PATHWAY FOLLOWING GREEN CHEMISTRY'S PRINCIPLES. <i>Brazilian Journal of Thermal Analysis</i> , 2015, 4, 37.	0.0	0
85	Thermoanalytical study and characterization of native starches of Paraná pine seeds (<i>Araucaria</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> 34, 07.	0.2	0
86	Direct and simultaneous spectrophotometric determination of Ni (II) and Co (II) using diethanoldithiocarbamate as complexing agent. <i>Eletica Quimica</i> , 0, 34, 07.	0.2	0
87	Thermal stability and thermal decomposition of sucralose. <i>Eletica Quimica</i> , 0, 39, 21.	0.2	0