

Gareth M B Parkes

List of Publications by Year in descending order

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59
papers

956
citations

448610

19
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536525

29
g-index

60
all docs

60
docs citations

60
times ranked

1137
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of a simultaneous differential scanning calorimetry-thermomicroscopy system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 1345-1353.	2.0	5
2	Application of hot-stage microscopy direct analysis in real time mass spectrometry (HDM) to the analysis of polymers. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8522.	0.7	5
3	DSC temperature calibration over the range 125 °C to 50 °C. <i>Thermochimica Acta</i> , 2021, 698, 178893.	1.2	1
4	Predicting the suitability of microwave formulation using microwave differential thermal analysis (MWDTA). <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 383-392.	2.0	1
5	Hot-stage microscopy - Direct Analysis in Real-time mass spectrometry (HDM) as a novel tool for monitoring thermally-driven reactions on a small scale. <i>Analytica Chimica Acta</i> , 2020, 1128, 129-139.	2.6	2
6	Adsorption of Procion Red MX-5B dye from aqueous solution using homemade peach and commercial activated carbons. <i>Applied Water Science</i> , 2020, 10, 1.	2.8	20
7	Identification of decomposition volatile organic compounds from surface-deposited and submerged porcine remains. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2019, 59, 503-515.	1.3	18
8	Characterizing Drug-Polymer Bead Interactions Using Isothermal Titration Calorimetry. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1772-1778.	1.6	6
9	Prediction of human intestinal absorption using micellar liquid chromatography with an aminopropyl stationary phase. <i>Biomedical Chromatography</i> , 2019, 33, e4515.	0.8	6
10	Formation of a Bile Salt-Drug Hydrogel to Predict Human Intestinal Absorption. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 279-287.	1.6	8
11	Enhancing the dissolution of phenylbutazone using Syloid® based mesoporous silicas for oral equine applications. <i>Journal of Pharmaceutical Analysis</i> , 2018, 8, 181-186.	2.4	27
12	Thermal analysis in oxidative and pyrolysis conditions of alkaline earth metals picolates using the techniques: TG-DSC, DSC, MWTA, HSM and EGA (TG-DSC-FTIR and HSM-MS). <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 135, 67-75.	2.6	9
13	Incorporating physiologically relevant mobile phases in micellar liquid chromatography for the prediction of human intestinal absorption. <i>Biomedical Chromatography</i> , 2018, 32, e4351.	0.8	5
14	Effect of decomposition on clothing damage evidence: A preliminary study. <i>Crime Security and Society</i> , 2018, 1, .	0.6	1
15	Microwave processed solid dispersions for enhanced dissolution of gemfibrozil using non-ordered mesoporous silica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 428-435.	2.3	23
16	An Integrated Hot-Stage Microscope-Direct Analysis in Real Time-Mass Spectrometry System for Studying the Thermal Behavior of Materials. <i>Analytical Chemistry</i> , 2017, 89, 13466-13471.	3.2	5
17	The Use of Bile Salt Micelles for the Prediction of Human Intestinal Absorption. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 3611-3614.	1.6	4
18	Predicting human intestinal absorption in the presence of bile salt with micellar liquid chromatography. <i>Biomedical Chromatography</i> , 2016, 30, 1618-1624.	0.8	10

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19	Conventional and microwave-heated oxygen pulsing techniques on metal-doped activated carbons. <i>Journal of Porous Materials</i> , 2014, 21, 81-89.	1.3	5
20	Thermodynamics of micellisation: Sodium dodecyl sulfate/sodium deoxycholate with polyethylene glycol and model drugs. <i>Journal of Chemical Thermodynamics</i> , 2014, 77, 77-81.	1.0	6
21	Parameters affecting ion intensities in transmission-mode direct analysis in real-time mass spectrometry. <i>Analyst, The</i> , 2014, 139, 4176-4180.	1.7	10
22	Inclusion of fenofibrate in a series of mesoporous silicas using microwave irradiation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 936-941.	2.0	38
23	Synthesis of Vegetable-Based Activated Carbons with Mixed Micro- and Mesoporosity for Use in Cigarette Filters. <i>Adsorption Science and Technology</i> , 2012, 30, 859-866.	1.5	6
24	Microwave calcination of Cu/Mg/Al hydrotalcite catalyst precursor. <i>Applied Catalysis A: General</i> , 2012, 429-430, 24-30.	2.2	12
25	Titration calorimetry of surfactant-drug interactions: Micelle formation and saturation studies. <i>Journal of Chemical Thermodynamics</i> , 2012, 53, 36-41.	1.0	33
26	Controlled Microwave Processing Applied to the Pharmaceutical Formulation of Ibuprofen. <i>AAPS PharmSciTech</i> , 2011, 12, 1038-1043.	1.5	24
27	Development and applications of a sample controlled DSC system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 699-703.	2.0	8
28	Influence of lipophilicity on drug-cyclodextrin interactions: A calorimetric study. <i>Thermochimica Acta</i> , 2010, 511, 102-106.	1.2	29
29	A system to investigate the remediation of organic vapors using microwave-induced plasma with fluidized carbon granules. <i>Review of Scientific Instruments</i> , 2009, 80, 034102.	0.6	1
30	A new low temperature approach to developing mesoporosity in metal-doped carbons for adsorption and catalysis. <i>Journal of Porous Materials</i> , 2009, 16, 557-564.	1.3	6
31	The generation of microwave-induced plasma in granular active carbons under fluidised bed conditions. <i>Carbon</i> , 2008, 46, 220-228.	5.4	44
32	Activation of a phenolic resin-derived carbon in air using microwave thermogravimetry. <i>Carbon</i> , 2008, 46, 1169-1172.	5.4	18
33	Development of a novel instrument for microwave dielectric thermal analysis. <i>Review of Scientific Instruments</i> , 2006, 77, 045108.	0.6	6
34	Development of a microwave thermogravimetric analyser based on a multimode oven. <i>Review of Scientific Instruments</i> , 2005, 76, 065108.	0.6	7
35	Development and applications of a preparative scale sample controlled thermogravimetric system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 72, 1091-1092.	2.0	6
36	Title is missing!. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 72, 1103-1105.	2.0	2

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37	Development and applications of sample controlled thermomicroscopy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 72, 1087-1090.	2.0	4
38	An investigation of the porosity of carbons prepared by constant rate activation in air. <i>Carbon</i> , 2003, 41, 571-578.	5.4	33
39	Solvation of exchangeable cations in sulfonated polystyrene ion-exchange resins: an ESR study. <i>Reactive and Functional Polymers</i> , 2002, 51, 25-31.	2.0	8
40	A study of evolved gas control and its effect on carbon yield during the activation of carbon fibres by controlled rate methods. <i>Carbon</i> , 2002, 40, 2897-2903.	5.4	8
41	Title is missing!. <i>Topics in Catalysis</i> , 2002, 19, 283-301.	1.3	13
42	Reduction of Iron Oxide Catalysts: The Investigation of Kinetic Parameters Using Rate Perturbation and Linear Heating Thermoanalytical Techniques. <i>Journal of Physical Chemistry B</i> , 2001, 105, 220-228.	1.2	147
43	A New Approach to the Study of the Reactivity of Solid-Acid Catalysts: The Application of Constant Rate Thermal Analysis to the Desorption and Surface Reaction of Isopropylamine from NaY and HY Zeolites. <i>Journal of Physical Chemistry B</i> , 2001, 105, 6178-6185.	1.2	18
44	The application of CRTA and linear heating thermoanalytical techniques to the study of supported cobalt oxide methane combustion catalysts. <i>Thermochimica Acta</i> , 2001, 379, 163-175.	1.2	20
45	Real-time analysis of peak shape: a theoretical approach to sample controlled thermal analysis. <i>Thermochimica Acta</i> , 2000, 354, 39-43.	1.2	13
46	Qualitative and quantitative aspects of microwave thermal analysis. <i>Thermochimica Acta</i> , 2000, 356, 85-96.	1.2	19
47	Development of a new instrument for performing microwave thermal analysis. <i>Review of Scientific Instruments</i> , 2000, 71, 168-175.	0.6	20
48	Comparison of new thermal and reactant gas blending methods for the controlled oxidation of carbon. <i>Thermochimica Acta</i> , 1999, 335, 141-146.	1.2	13
49	New Approach to the Investigation of Mechanisms and Apparent Activation Energies for the Reduction of Metal Oxides Using Constant Reaction Rate Temperature-Programmed Reduction. <i>Journal of Physical Chemistry B</i> , 1999, 103, 338-345.	1.2	30
50	New Concepts in Sample Controlled Thermal Analysis: Resolution in the Time and Temperature Domains. <i>Analytical Chemistry</i> , 1999, 71, 2482-2487.	3.2	24
51	Use of Solid Insertion Probe Mass Spectrometry and Constant Rate Thermal Analysis in the Study of Materials: Determination of Apparent Activation Energies and Mechanisms of Solid-State Decomposition Reactions. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6944-6949.	1.2	21
52	Microwave Differential Thermal Analysis in the Investigation of Thermal Transitions in Materials. <i>Analytical Chemistry</i> , 1999, 71, 5026-5032.	3.2	13
53	Gas concentration programming – a new approach to sample controlled thermal analysis. <i>Thermochimica Acta</i> , 1998, 320, 297-301.	1.2	15
54	A new approach to catalyst preparation using rate controlled temperature programme techniques. <i>Studies in Surface Science and Catalysis</i> , 1995, 91, 859-868.	1.5	5

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55	Applications of new high resolution evolved-gas analysis systems for the characterisation of catalysts using rate-controlled thermal analysis. <i>Thermochimica Acta</i> , 1995, 269-270, 665-676.	1.2	27
56	Characterisation and analysis of micro-contaminants in industrial polymers. <i>Journal of Thermal Analysis</i> , 1994, 42, 841-854.	0.7	3
57	High-Performance Evolved Gas Analysis System for Catalyst Characterization. <i>Analytical Chemistry</i> , 1994, 66, 2226-2231.	3.2	31
58	The effect of acid treatment on the activity of clay supports for ZnCl ₂ alkylation catalysts. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 804.	2.0	53
59	HDM, interfacing thermal analysis and ambient ionisation mass spectrometry. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	2.0	0