Georg Matuschek

List of Publications by Year
in descending order

56 papers	1,780 citations	257101 24 h-index	276539 41 g-index
58 all docs	58 docs citations	58 times ranked	2271 citing authors

#	Article	IF	Citations
1	A systemic view on the distribution of diet-derived methanol and hepatic acetone in mice. Journal of Breath Research, 2018, 12, 017102.	1.5	4
2	Thermal Resilience of Imidazolium-Based Ionic Liquidsâ€"Studies on Short- and Long-Term Thermal Stability and Decomposition Mechanism of 1-Alkyl-3-methylimidazolium Halides by Thermal Analysis and Single-Photon Ionization Time-of-Flight Mass Spectrometry. Journal of Physical Chemistry B, 2018, 122, 8738-8749.	1.2	33
3	Evolution of Volatile Flavor Compounds During Roasting of Nut Seeds by Thermogravimetry Coupled to Fast-Cycling Optical Heating Gas Chromatography-Mass Spectrometry with Electron and Photoionization. Food Analytical Methods, 2017, 10, 49-62.	1.3	24
4	Aerosol emissions of a ship diesel engine operated with diesel fuel or heavy fuel oil. Environmental Science and Pollution Research, 2017, 24, 10976-10991.	2.7	65
5	A minimal-invasive method for systemic bio-monitoring of the environmental pollutant phenanthrene in humans: Thermal extraction and gas chromatography â" mass spectrometry from 1 mL capillary blood. Journal of Chromatography A, 2017, 1487, 254-257.	1.8	9
6	Effect of functional groups on the thermal degradation of phosphorus- and phosphorus/nitrogen-containing functional polymers. Journal of Thermal Analysis and Calorimetry, 2017, 130, 799-812.	2.0	18
7	An evolved gas analysis method for the characterization of sulfur vapor. Journal of Thermal Analysis and Calorimetry, 2017, 127, 955-960.	2.0	12
8	Breath gas monitoring during a glucose challenge by a combined PTR-QMS/GCÃ—GC-TOFMS approach for the verification of potential volatile biomarkers. Journal of Breath Research, 2016, 10, 036003.	1.5	18
9	Dual-Stage Consumable-Free Thermal Modulator for the Hyphenation of Thermal Analysis, Gas Chromatography, and Mass Spectrometry. Analytical Chemistry, 2016, 88, 640-644.	3.2	13
10	Optically Heated Ultra-Fast-Cycling Gas Chromatography Module for Separation of Direct Sampling and Online Monitoring Applications. Analytical Chemistry, 2015, 87, 8634-8639.	3.2	10
11	Particulate Matter from Both Heavy Fuel Oil and Diesel Fuel Shipping Emissions Show Strong Biological Effects on Human Lung Cells at Realistic and Comparable In Vitro Exposure Conditions. PLoS ONE, 2015, 10, e0126536.	1.1	111
12	Hyphenation of thermogravimetry and soft single photon ionizationâ€"ion trap mass spectrometry (TGâ€"SPIâ€"ITMS) for evolved gas analysis. Journal of Thermal Analysis and Calorimetry, 2014, 116, 1471-1479.	2.0	7
13	Evolved gas analysis by single photon ionization-mass spectrometry. Journal of Thermal Analysis and Calorimetry, 2014, 116, 1461-1469.	2.0	38
14	Thermal analysis/evolved gas analysis using single photon ionization. Journal of Thermal Analysis and Calorimetry, 2013, 113, 1667-1673.	2.0	18
15	Rapid comprehensive characterization of crude oils by thermogravimetry coupled to fast modulated gas chromatographyâ€"single photon ionization time-of-flight mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 7107-7116.	1.9	27
16	A liquid chromatographyâ€"atmospheric pressure photoionization tandem mass spectrometric method for the determination of azaarenes in atmospheric particulate matter. Journal of Chromatography A, 2010, 1217, 1636-1646.	1.8	30
17	Differential Impact of Diesel Particle Composition on Pro-allergic Dendritic Cell Function. Toxicological Sciences, 2010, 113, 85-94.	1.4	29
18	Application of the Steam Jet Aerosol Collector (SJAC) for differential measurements of organic compounds in the gas vs. particle phase. International Journal of Environment and Pollution, 2009, 39, 223.	0.2	0

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19	Thermolysis Product Distribution of Solid Waste Obtained From Olive Oil Production. Clean - Soil, Air, Water, 2008, 36, 315-319.	0.7	2
20	Environmental Polycyclic Aromatic Hydrocarbons (PAHs) Enhance Allergic Inflammation by Acting on Human Basophils. Inhalation Toxicology, 2007, 19, 151-156.	0.8	33
21	Ecotoxicity of biocomposites based on renewable feedstock â€“ Preliminary studies. Chemosphere, 2007, 70, 337-340.	4.2	18
22	Chemical Investigation of Eight Different Types of Carbonaceous Particles Using Thermoanalytical Techniques. Environmental Science & Technology, 2007, 41, 8406-8411.	4.6	23
23	Determination of oxygenated polycyclic aromatic hydrocarbons in particulate matter using high-performance liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2006, 1133, 241-247.	1.8	50
24	Thermal stability and degradation of starch derivatives. Journal of Thermal Analysis and Calorimetry, 2006, 85, 267-270.	2.0	57
25	Emanation thermal analysis study of Na-montmorillonite and montmorillonite saturated with various cations. Journal of Thermal Analysis and Calorimetry, 2006, 83, 617-623.	2.0	22
26	Characterization of PVC cable insulation materials and products obtained after removal of additives. Journal of Applied Polymer Science, 2006, 99, 788-795.	1.3	25
27	Organic Extracts of Urban Aerosol (â‰PM2.5) Enhance rBet v 1-Induced Upregulation of CD63 in Basophils from Birch Pollenâ€“Allergic Individuals. Toxicological Sciences, 2006, 90, 377-384.	1.4	24
28	Thermal properties of starch succinates. Thermochimica Acta, 2005, 427, 163-166.	1.2	49
29	Lifetime simulation and thermal characterization of PVC cable insulation materials. Journal of Thermal Analysis and Calorimetry, 2005, 82, 761-768.	2.0	21
30	Characterisation of aerosol particles using combined thermoanalytical techniques. Journal of Thermal Analysis and Calorimetry, 2004, 78, 575-586.	2.0	5
31	Thermal degradation of PVC cable insulation studied by simultaneous TG-FTIR and TG-EGA methods. Journal of Thermal Analysis and Calorimetry, 2004, 78, 621-630.	2.0	77
32	Investigation of pyrolysis of chinese coals using thermal analysis/mass spectrometry. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2003, 71, 601-612.	1.4	21
33	A study on combustion of Chinese coals by TA/MS. Journal of Analytical and Applied Pyrolysis, 2003, 67, 393-406.	2.6	9
34	Fast identification of polymer additives by pyrolysis-gas chromatography/mass spectrometry. Journal of Analytical and Applied Pyrolysis, 2003, 70, 35-42.	2.6	81
35	On-line determination of polycyclic aromatic hydrocarbons in airborne particulate matter by using pyrolysis/GCâ€“MS. Journal of Analytical and Applied Pyrolysis, 2003, 70, 73-85.	2.6	20
36	Emanation thermal analysis of TIXOTON (activated bentonite) treated with organic compounds. Applied Clay Science, 2002, 21, 295-302.	2.6	15

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37	Thermal degradation of thermoplastic polyurethane elastomers (TPU) based on MDI. Polymer Degradation and Stability, 2002, 78, 323-331.	2.7	224
38	Leaching behaviour of wood treated with creosote. Chemosphere, 2001, 42, 301-308.	4.2	34
39	Main products and kinetics of the thermal degradation of polyamides. Chemosphere, 2001, 42, 601-607.	4.2	93
40	Thermal degradation of wood treated with creosote. Journal of Analytical and Applied Pyrolysis, 2001, 57, 15-36.	2.6	15
41	Thermal degradation of halogen-free flame retardant epoxides and polycarbonate in air. Journal of Analytical and Applied Pyrolysis, 2001, 60, 55-67.	2.6	49
42	Thermoanalytical and pyrolysis studies of nitrogen containing polymers. Journal of Analytical and Applied Pyrolysis, 2001, 58-59, 173-188.	2.6	60
43	Regioselective Synthesis of a Branched Isomer of Nonylphenol, 4-(3â€²,6â€²-Dimethyl-3â€²-heptyl)phenol, and Determination of its Important Environmental Properties. Chemistry - A European Journal, 2001, 7, 4790-4795.	1.7	21
44	Determination of basic nitrogen-containing polynuclear aromatic hydrocarbons formed during thermal degradation of polymers by high-performance liquid chromatographyâ€“fluorescence detection. Journal of Chromatography A, 2000, 878, 171-181.	1.8	33
45	Comparative studies of polymers using TAâ€“MS, macro TAâ€“MS and TAâ€“FTIR. Thermochimica Acta, 2000, 361, 69-76.	1.2	20
46	Thermoanalytical investigations for the recycling of PVC. Thermochimica Acta, 2000, 361, 77-84.	1.2	31
47	Title is missing!. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2000, 59, 385-394.	1.4	39
48	Thermal analysis/mass spectrometry as a tool for studying environmental pollution by coal gasification. Journal of Analytical and Applied Pyrolysis, 1999, 51, 223-237.	2.6	9
49	Characterization of Montmorillonite Saturated with Various Cations. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1999, 56, 67-76.	1.4	34
50	EGA/MS Investigations on the Thermal Degradation of Diammoniumhexachloroplatinate. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1999, 56, 471-477.	1.4	7
51	Effect of branching on the degradation behaviour and caloric properties of PVC1Presented at the Twelfth Ulm-Freiberg Conference, Freiberg, Germany, 19â€“21 March 19971. Thermochimica Acta, 1998, 310, 191-198.	1.2	5
52	Description of Vapour Pressures of Polycyclic Aromatic Compounds by Graph Theoretical Indices. QSAR and Combinatorial Science, 1997, 16, 38-48.	1.4	9
53	A macro STA-system for environmental samples. Thermochimica Acta, 1997, 295, 119-131.	1.2	12
54	The role of thermal analysis in environmental protection. Journal of Thermal Analysis, 1996, 47, 317-330.	0.7	2

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55	Thermal degradation of different fire retardant polyurethane foams. Thermochimica Acta, 1995, 263, 59-71.	1.2	53
56	Simultaneous thermal analysis/mass spectrometric detection of biological hazards. Biological Mass Spectrometry, 1988, 16, 447-449.	0.5	3