Agapios Agapiou

List of Publications by Year
in descending order

50 papers	1,538 citations	304743 22 h-index	315739 38 g-index
51 all docs	51 docs citations	51 times ranked	1884 citing authors

#	Article	IF	Citations
1	Environmental aspects of VOCs evolved in the early stages of human decomposition. Science of the Total Environment, 2007, 385, 221-227.	8.0	130
2	Sniffing Entrapped Humans with Sensor Arrays. Analytical Chemistry, 2018, 90, 4940-4945.	6.5	91
3	A Compendium of Volatile Organic Compounds (VOCs) Released By Human Cell Lines. Current Medicinal Chemistry, 2016, 23, 2112-2131.	2.4	87
4	Use of FTIR spectroscopy and chemometrics for the classification of carobs origin. Journal of Advanced Research, 2018, 10, 1-8.	9.5	71
5	Monitoring of selected skin- and breath-borne volatile organic compounds emitted from the human body using gas chromatography ion mobility spectrometry (GC-IMS). Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1076, 29-34.	2.3	67
6	Physicochemical and structural characterization of biochar derived from the pyrolysis of biosolids, cattle manure and spent coffee grounds. Journal of the Energy Institute, 2020, 93, 2063-2073.	5.3	66
7	Adsorption and removal of seven antibiotic compounds present in water with the use of biochar derived from the pyrolysis of organic waste feedstocks. Journal of Environmental Chemical Engineering, 2021, 9, 105868.	6.7	65
8	Trace detection of endogenous human volatile organic compounds for search, rescue and emergency applications. TrAC - Trends in Analytical Chemistry, 2015, 66, 158-175.	11.4	64
9	Nutritional characterization of carobs and traditional carob products. Food Science and Nutrition, 2018, 6, 2151-2161.	3.4	62
10	Preliminary investigation of using volatile organic compounds from human expired air, blood and urine for locating entrapped people in earthquakes. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 822, 112-117.	2.3	57
11	Converting environmental risks to benefits by using spent coffee grounds (SCG) as a valuable resource. Environmental Science and Pollution Research, 2018, 25, 35776-35790.	5.3	56
12	Analysis of expired air of fasting male monks at Mount Athos. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 832, 274-279.	2.3	55
13	Temporal profiling of human urine VOCs and its potential role under the ruins of collapsed buildings. Toxicology Mechanisms and Methods, 2012, 22, 502-511.	2.7	45
14	Analysis of volatile organic compounds released from the decay of surrogate human models simulating victims of collapsed buildings by thermal desorptionâ€“comprehensive two-dimensional gas chromatographyâ€“time of flight mass spectrometry. Analytica Chimica Acta, 2015, 883, 99-108.	5.4	42
15	Near real-time VOCs analysis using an aspiration ion mobility spectrometer. Journal of Breath Research, 2013, 7, 026002.	3.0	40
16	Application of ion mobility spectrometry for the detection of human urine. Analytical and Bioanalytical Chemistry, 2010, 398, 2031-2038.	3.7	39
17	Factors that affect rescue time in urban search and rescue (USAR) operations. Natural Hazards, 2015, 75, 57-69.	3.4	36
18	Volatolomics: A broad area of experimentation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1105, 136-147.	2.3	32

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19	LC-ESI-MS/MS determination of oxyhalides (chlorate, perchlorate and bromate) in food and water samples, and chlorate on household water treatment devices along with perchlorate in plants. Chemosphere, 2019, 235, 757-766.	8.2	31
20	TD-GC/MS analysis of indoor air pollutants (VOCs, PM) in hair salons. Chemosphere, 2022, 294, 133691.	8.2	29
21	Volatile emissions during storing of green food waste under different aeration conditions. Environmental Science and Pollution Research, 2016, 23, 8890-8901.	5.3	27
22	Spatial characteristics of urinary BTEX concentrations in the general population. Chemosphere, 2017, 173, 261-266.	8.2	27
23	GCâ€“MS analysis of D-pinitol in carob: Syrup and fruit (flesh and seed). Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1116, 60-64.	2.3	25
24	Advances in chemical sensing technologies for VOCs in breath for security/threat assessment, illicit drug detection, and human trafficking activity. Journal of Breath Research, 2018, 12, 027106.	3.0	22
25	Permeation profiles of potential urine-borne biomarkers of human presence over brick and concrete. Analyst, The, 2012, 137, 3278.	3.5	20
26	Assessing the volatile profile of carob tree (Ceratonia siliqua L.). Environmental Science and Pollution Research, 2019, 26, 35365-35374.	5.3	20
27	Native plants for the remediation of abandoned sulphide mines in Cyprus: A preliminary assessment. Journal of Environmental Management, 2020, 274, 110531.	7.8	19
28	Oil biodesulfurization: A review of applied analytical techniques. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1171, 122602.	2.3	18
29	Method validation for the determination of 314 pesticide residues using tandem MS systems (GCâ€“MS/MS and LC-MS/MS) in raisins: Focus on risk exposure assessment and respective processing factors in real samples (a pilot survey). Food Chemistry, 2021, 360, 129964.	8.2	17
30	The effects of different soil nutrient management schemes in nitrogen cycling. Journal of Environmental Management, 2019, 243, 168-176.	7.8	16
31	Colon Cancer: From Epidemiology to Prevention. Metabolites, 2022, 12, 499.	2.9	16
32	Prediction of blood:air and fat:air partition coefficients of volatile organic compounds for the interpretation of data in breath gas analysis. Journal of Breath Research, 2016, 10, 017103.	3.0	15
33	Decoding carob flavor aroma using HSâ€“SPMEâ€“GCâ€“MS and chemometrics. European Food Research and Technology, 2020, 246, 1419-1428.	3.3	15
34	Development of food-origin biochars for the adsorption of selected volatile organic compounds (VOCs) for environmental matrices. Bioresource Technology, 2021, 342, 125881.	9.6	14
35	Urine and fecal samples targeted metabolomics of carobs treated rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1114-1115, 76-85.	2.3	13
36	Use of biochar for the sorption of volatile organic compounds (VOCs) emitted from cattle manure. Environmental Science and Pollution Research, 2021, 28, 59141-59149.	5.3	12

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37	Use of Chemometrics for Correlating Carobs Nutritional Compositional Values with Geographic Origin. Metabolites, 2020, 10, 62.	2.9	11
38	A comparative study on phyllosilicate and tectosillicate mineral structural properties. , 2018, 112, 119-146.		11
39	Determination of Quality Properties of Low-Grade Biodiesel and Its Heating Oil Blends. Environments - MDPI, 2018, 5, 96.	3.3	10
40	Electrochemical Treatment of Cattle Wastewater Samples. Waste and Biomass Valorization, 2020, 11, 5185-5196.	3.4	7
41	Potential Applications of Volatile Organic Compounds in Safety and Security. , 2013, , 514-558.		6
42	Measurements of Local Sources of Particulates with a Portable Monitor along the Coast of an Insular City. Sustainability, 2021, 13, 261.	3.2	6
43	Profiling soil volatile organic compounds after N fertilization in a soil grown with Rosmarinus officinalis. Applied Soil Ecology, 2021, 164, 103934.	4.3	5
44	Carob-Agro-Industrial Waste and Potential Uses in the Circular Economy. , 2022, , 765-797.		4
45	HS-SPME-GC/MS Analysis for Revealing Carobâ€™s Ripening. Metabolites, 2022, 12, 656.	2.9	4
46	Removal of toxic metals and anions from acid mine drainage (AMD) by electrocoagulation: The case of North Mathiatis open cast mine. Sustainable Chemistry and Pharmacy, 2022, 29, 100737.	3.3	4
47	Equilibrium ion exchange studies of Zn²⁺, Cr³⁺, and Mn²⁺on natural bentonite. Desalination and Water Treatment, 0, , 1-11.	1.0	3
48	Sustainability assessment for biomass-derived char production and applications. , 2019, , 447-479.		3
49	Optical sensors for urban search and rescue operations. Proceedings of SPIE, 2011, , .	0.8	2
50	Photovoltaic-driven electrochemical remediation of drilling fluid wastewater with simultaneous hydrogen production. Waste Management and Research, 0, , 0734242X2211054.	3.9	0