A headspace solid-phase microextraction method devel determination of volatiles in honeys by gas chromatogr

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Citation Report

#	Article	IF	CITATIONS
1	Volatile Compounds in Honey: A Review on Their Involvement in Aroma, Botanical Origin Determination and Potential Biomedical Activities. International Journal of Molecular Sciences, 2011, 12, 9514-9532.	1.8	178
2	Invited Review Article: An odor-sensing system—powerful technique for foodstuff studies. Review of Scientific Instruments, 2011, 82, 111101.	0.6	74
3	A Biomimetic Sensor for the Classification of Honeys of Different Floral Origin and the Detection of Adulteration. Sensors, 2011, 11, 7799-7822.	2.1	74
4	A Hybrid Sensing Approach for Pure and Adulterated Honey Classification. Sensors, 2012, 12, 14022-14040.	2.1	70
5	Characterization of the Key Aroma Compounds in Rape Honey by Means of the Molecular Sensory Science Concept. Journal of Agricultural and Food Chemistry, 2012, 60, 4186-4194.	2.4	63
6	An NMR-based metabolomic approach to identify the botanical origin of honey. Metabolomics, 2012, 8, 679-690.	1.4	71
7	Changes in the volatile fractions and sensory properties of heather honey during storage under different temperatures. European Food Research and Technology, 2012, 235, 185-193.	1.6	23
8	Floral classification of Yucatan Peninsula honeys by PCA & HSâ€SPME/GC–MS of volatile compounds. International Journal of Food Science and Technology, 2012, 47, 1378-1383.	1.3	15
9	Analysis of odourâ€active compounds of black mangrove (<i>Avicennia germinans</i> L.) honey by solidâ€phase microextraction combined with gas chromatography–mass spectrometry and gas chromatography–olfactometry. International Journal of Food Science and Technology, 2012, 47, 1688-1694.	1.3	16
10	Buckwheat honeys: Screening of composition and properties. Food Chemistry, 2013, 141, 2802-2811.	4.2	73
11	Characterisation of VOC composition of Slovak monofloral honeys by GC×GC-TOF-MS. Chemical Papers, 2013, 67, .	1.0	18
12	Headspace solid-phase microextraction-gas chromatography–mass spectrometry characterization of propolis volatile compounds. Journal of Pharmaceutical and Biomedical Analysis, 2013, 84, 103-111.	1.4	51
13	Quality Evaluation of Agricultural Distillates Using an Electronic Nose. Sensors, 2013, 13, 15954-15967.	2.1	28
14	Melissopalynological and Volatile Compounds Analysis of Buckwheat Honey from Different Geographical Origins and Their Role in Botanical Determination. Journal of Chemistry, 2013, 2013, 1-11.	0.9	39
15	Gas chromatography-olfactometry (GC-O), electronic noses (e-noses) and electronic tongues (e-tongues) for in vivo food flavour measurement., 2013,, 195-229.		19
16	Influence of Postharvest Storage, Processing, and Extraction Methods on the Analysis of Phenolic Phytochemicals. ACS Symposium Series, 2014, , 3-31.	0.5	2
17	Application of an Electronic Nose Instrument to Fast Classification of Polish Honey Types. Sensors, 2014, 14, 10709-10724.	2.1	50
18	Potential natural sources of semicarbazide in honey. Journal of Apicultural Research, 2014, 53, 129-140.	0.7	16

#	Article	IF	CITATIONS
19	Effect of country origin on physicochemical, sugar and volatile composition of acacia, sunflower and tilia honeys. Food Research International, 2014, 60, 86-94.	2.9	83
20	The determination of botanical origin of honeys based on enantiomer distribution of chiral volatile organic compounds. Food Chemistry, 2014, 158, 497-503.	4.2	50
21	Floral origin markers for authenticating Lavandin honey (Lavandula angustifolia x latifolia). Discrimination from Lavender honey (Lavandula latifolia). Food Control, 2014, 37, 362-370.	2.8	56
22	Assessment of dispersive liquid–liquid microextraction conditions for gas chromatography time-of-flight mass spectrometry identification of organic compounds in honey. Journal of Chromatography A, 2014, 1368, 26-36.	1.8	17
23	Assessment of gas chromatography time-of-flight accurate mass spectrometry for identification of volatile and semi-volatile compounds in honey. Talanta, 2014, 129, 505-515.	2.9	40
24	In-Tube Extraction-GC-MS as a High-Capacity Enrichment Technique for the Analysis of Alcoholic Beverages. Journal of Agricultural and Food Chemistry, 2014, 62, 3081-3091.	2.4	16
25	Comparison of the Volatiles Formed by Oxidation of Phosphatidylcholine to Triglyceride in Model Systems. Journal of Agricultural and Food Chemistry, 2014, 62, 8295-8301.	2.4	32
27	Comprehensive Evaluation of Antioxidant Properties and Volatile Compounds of Sudanese Honeys. Journal of Food Biochemistry, 2015, 39, 349-359.	1.2	22
28	Characterization of the volatile profile of unifloral honey from Kashmir Valley of India by using solid-phase microextraction and gas chromatography–mass spectrometry. European Food Research and Technology, 2015, 240, 1091-1100.	1.6	27
29	Identification of Oxidation Compounds of 1-Stearoyl-2-linoleoyl- <i>sn</i> -glycero-3-phosphoethanolamine during Thermal Oxidation. Journal of Agricultural and Food Chemistry, 2015, 63, 9615-9620.	2.4	10
30	Classification of unifloral honeys using multivariate analysis. Journal of Essential Oil Research, 2015, 27, 533-544.	1.3	32
31	Optimization and application of headspace-solid-phase micro-extraction coupled with gas chromatography–mass spectrometry for the determination of volatile compounds in cherry wines. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 978-979, 122-130.	1.2	30
32	Characterisation of the aroma profiles of different honeys and corresponding flowers using solid-phase microextraction and gas chromatography–mass spectrometry/olfactometry. Food Chemistry, 2015, 169, 34-40.	4.2	60
33	Physicochemical and antioxidant properties of honey from <i>Scaptotrigona mexicana</i> bee. Journal of Apicultural Research, 2016, 55, 151-160.	0.7	33
34	The Tracing of <scp>VOC</scp> Composition of Acacia Honey During Ripening Stages by Comprehensive Twoâ€Dimensional Gas Chromatography. Chemistry and Biodiversity, 2016, 13, 1316-1325.	1.0	15
35	Characterization of Aroma Volatiles in Camellia Seed Oils (<i>Camellia oleifera</i> Abel.) by HS-SPME/GC/MS and Electronic Nose Combined with Multivariate Analysis. Food Science and Technology Research, 2016, 22, 497-505.	0.3	14
36	Discrimination of honeys using colorimetric sensor arrays, sensory analysis and gas chromatography techniques. Food Chemistry, 2016, 206, 37-43.	4.2	67
37	Volatiles, color characteristics and other physico–chemical parameters of commercial Moroccan honeys. Natural Product Research, 2016, 30, 286-292.	1.0	21

#	Article	IF	CITATIONS
38	Machine Olfaction., 2017,, 55-56.		4
39	Towards a better understanding of the therapeutic applications and corresponding mechanisms of action of honey. Environmental Science and Pollution Research, 2017, 24, 27755-27766.	2.7	23
40	Comparative analysis of the volatile composition of honeys from Brazilian stingless bees by static headspace GC–MS. Food Research International, 2017, 102, 536-543.	2.9	22
41	Chemical Composition of Honey. , 2017, , 43-82.		32
42	A Comprehensive Review on the Main Honey Authentication Issues: Production and Origin. Comprehensive Reviews in Food Science and Food Safety, 2017, 16, 1072-1100.	5.9	191
43	Assessment of antioxidant properties, instrumental and sensory aroma profile of red and white Karkade/Roselle (Hibiscus sabdariffa L.). Journal of Food Measurement and Characterization, 2017, 11, 1559-1568.	1.6	12
44	Application of response surface methodology to optimize solid-phase microextraction procedure for chromatographic determination of aroma-active monoterpenes in berries. Food Chemistry, 2017, 221, 1041-1056.	4.2	44
45	Optimization of Headspace Solid-Phase Micro-Extraction and Its Application in Analysis of Volatile Compounds in Cherry Tomato by Gas Chromatography. Food Analytical Methods, 2017, 10, 596-609.	1.3	16
46	Determination of 5-hydroxymethylfurfural in honey, using headspace-solid-phase microextraction coupled with a polyoxometalate-coated piezoelectric quartz crystal. Food Chemistry, 2017, 220, 420-426.	4.2	34
47	Multivariate optimization of headspace trap for furan and furfural simultaneous determination in sponge cake. Talanta, 2017, 164, 708-715.	2.9	15
48	Unequivocal Identification of 1-Phenylethyl Acetate in Clove Buds (syzygium aromaticum (L.) Merr.) Tj ETQq0 0 (O rgBT /Ov	verlgck 10 Tf 5
49	Optimization of the Extraction of the Volatile Fraction from Honey Samples by SPME-GC-MS, Experimental Design, and Multivariate Target Functions. Journal of Chemistry, 2017, 2017, 1-14.	0.9	19
50	Volatile profile of monofloral honeys produced in Brazilian semiarid region by stingless bees and key volatile compounds. LWT - Food Science and Technology, 2018, 94, 198-207.	2.5	25
51	Optimization of HS-SPME Using Artificial Neural Network and Response Surface Methodology in Combination with Experimental Design for Determination of Volatile Components by Gas Chromatography-Mass Spectrometry in Korla Pear Juice. Food Analytical Methods, 2018, 11, 2218-2228.	1.3	9
52	Aroma features of honey measured by sensory evaluation, gas chromatography-mass spectrometry, and electronic nose. International Journal of Food Properties, 2018, 21, 1755-1768.	1.3	17
53	Sensory analysis and aroma compounds of buckwheat containing products—a review. Critical Reviews in Food Science and Nutrition, 2018, 58, 1767-1779.	5.4	46
54	Volatile components as chemical markers of the botanical origin of Corsican honeys. Flavour and Fragrance Journal, 2018, 33, 52-62.	1.2	12
55	Volatile compounds of Argentinean honeys: Correlation with floral and geographical origin. Food Chemistry, 2018, 246, 32-40.	4.2	44

#	Article	IF	Citations
56	Chromatographic Technique: Gas Chromatography (GC)., 2018,, 415-458.		4
57	Floral markers and biological activity of Saudi honey. Saudi Journal of Biological Sciences, 2018, 25, 1369-1374.	1.8	22
58	Volatile Profile and Physico-Chemical Analysis of Acacia Honey for Geographical Origin and Nutritional Value Determination. Foods, 2019, 8, 445.	1.9	29
59	Realâ€time quality authentication of honey using atmospheric pressure chemical ionisation mass spectrometry (APCI ―MS). International Journal of Food Science and Technology, 2019, 54, 2983-2997.	1.3	9
60	Scientific Opinion on Flavouring Group Evaluation 217 Revision 2 (FGE.217Rev2), consideration of genotoxic potential for α,βâ€unsaturated ketones and precursors from chemical subgroup 4.1 of FGE.19: lactones. EFSA Journal, 2019, 17, e05568.	0.9	6
61	Determination of Antioxidant Capacity, Phenolics and Volatile Maillard Reaction Products in Rye-Buckwheat Biscuits Supplemented with 3β-d-Rutinoside. Molecules, 2019, 24, 982.	1.7	25
62	Optimization of solid phase microextraction combined with gas chromatographyâ€mass spectrometry (GCâ€MS) to analyze aromatic compounds in fresh tomatoes. Journal of Food Biochemistry, 2019, 43, e12858.	1.2	7
63	Effect of different starter cultures on chemical and microbial parameters of buckwheat honey fermentation. Food Microbiology, 2019, 82, 294-302.	2.1	13
64	Labeling Regulations and Quality Control of Honey Origin: A Review. Food Reviews International, 2020, 36, 215-240.	4.3	25
65	A Review on Analytical Methods for Honey Classification, Identification and Authentication. , 0, , .		18
66	Characterization of aromaâ€active compounds and stable carbon isotope ratios in Turkish pine honeys from two different regions. Journal of Food Processing and Preservation, 2020, 45, e14544.	0.9	4
67	Comparative analysis of thermal processing on aromaâ€active compounds of egg curd. Journal of Food Processing and Preservation, 2020, 44, e14664.	0.9	2
68	Effectiveness of Different Analytical Methods for the Characterization of Propolis: A Case of Study in Northern Italy. Molecules, 2020, 25, 504.	1.7	34
69	Honey Volatiles as a Fingerprint for Botanical Origin—A Review on their Occurrence on Monofloral Honeys. Molecules, 2020, 25, 374.	1.7	71
70	Innovative method for analysis of safranal under static and dynamic conditions through combination of HSâ€SPMEâ€GC technique with mathematical modelling. Phytochemical Analysis, 2020, 31, 564-574.	1.2	7
71	Description of the volatile fraction of Erica honey from the northwest of the Iberian Peninsula. Food Chemistry, 2021, 336, 127758.	4.2	28
72	Comparing Wild and Cultivated Arnica montana L. from the Italian Alps to Explore the Possibility of Sustainable Production Using Local Seeds. Sustainability, 2021, 13, 3382.	1.6	6
73	Application of the Dehydration Homogeneous Liquid–Liquid Extraction (DHLLE) Sample Preparation Method for Fingerprinting of Honey Volatiles. Molecules, 2021, 26, 2277.	1.7	4

#	Article	IF	CITATIONS
74	HSâ€CCâ€IMS detection of volatile organic compounds in Acacia honey powders under vacuum belt drying at different temperatures. Food Science and Nutrition, 2021, 9, 4085-4093.	1.5	8
75	Optimization of a miniaturized solid-phase microextraction method followed by gas chromatography mass spectrometry for the determination of twenty four volatile and semivolatile compounds in honey from Galicia (NW Spain) and foreign countries. Sustainable Chemistry and Pharmacy, 2021, 21, 100451.	1.6	9
76	Response Surface Methodology to Optimize the Isolation of Dominant Volatile Compounds from Monofloral Greek Thyme Honey Using SPME-GC-MS. Molecules, 2021, 26, 3612.	1.7	6
77	Characterizing the Volatile and Sensory Profiles, and Sugar Content of Beeswax, Beebread, Bee Pollen, and Honey. Molecules, 2021, 26, 3410.	1.7	21
78	The Use of SPME-GC-MS IR and Raman Techniques for Botanical and Geographical Authentication and Detection of Adulteration of Honey. Foods, 2021, 10, 1671.	1.9	24
79	Screening of the Honey Aroma as a Potential Essence for the Aromachology. Applied Sciences (Switzerland), 2021, 11, 8177.	1.3	3
80	Electronic Noses and Tongues in the Food Industry. , 2016, , 1-12.		10
81	Determination of Volatile Constituents of Thai Fragrant Orchids by Gas Chromatography-Mass Spectrometry with Solid-Phase Microextraction. Chiang Mai University Journal of Natural Sciences, 2013, 12, .	0.1	3
82	Botanical and Geographical Origin Characterization of Polish Honeys by Headspace SPME-GC& (Carrent Organic Chemistry, 2013, 17, 853-870.	0.9	16
83	Fusion technique for honey purity estimation using artificial neural network. WIT Transactions on Information and Communication Technologies, 2014 , , .	0.0	5
84	Quality Assessment of Honey Powders Obtained by High- and Low-Temperature Spray Drying. Applied Sciences (Switzerland), 2021, 11, 224.	1.3	12
85	Unifloral Autumn Heather Honey from Indigenous Greek Erica manipuliflora Salisb.: SPME/GC-MS Characterization of the Volatile Fraction and Optimization of the Isolation Parameters. Foods, 2021, 10, 2487.	1.9	7
86	CHARACTERIZATION OF FLOWER AND COTTON HONEY VOLATILE COMPOUNDS USING SOLVENT ASSISTED FLAVOR EVAPORATION. Food and Health, 0, , 25-36.	0.2	0
87	Optimization and Validation of a Headspace Solid-Phase Microextraction with Comprehensive Two-Dimensional Gas Chromatography Time-of-Flight Mass Spectrometric Detection for Quantification of Trace Aroma Compounds in Chinese Liquor (Baijiu). Molecules, 2021, 26, 6910.	1.7	10
88	Effect of Wort Boiling on Volatiles Formation and Sensory Properties of Mead. Molecules, 2022, 27, 710.	1.7	7
89	Accurate Determination of 12 Lactones and 11 Volatile Phenols in Nongrape Wines through Headspace-Solid-Phase Microextraction (HS-SPME) Combined with High-Resolution Gas Chromatography-Orbitrap Mass Spectrometry (GC-Orbitrap-MS). Journal of Agricultural and Food Chemistry, 2022, 70, 1971-1983.	2.4	14
91	Characterization of unifloral Italian (Piedmont region) honeys by headspace solid phase microextraction coupled to gas chromatography–mass spectrometry. JSFA Reports, 2022, 2, 341-350.	0.2	2
92	Comparison of Volatile Profiles of Meads and Related Unifloral Honeys: Traceability Markers. Molecules, 2022, 27, 4558.	1.7	5

#	Article	IF	CITATIONS
93	Calluna vulgaris as a Valuable Source of Bioactive Compounds: Exploring Its Phytochemical Profile, Biological Activities and Apitherapeutic Potential. Plants, 2022, 11, 1993.	1.6	9
94	Determination of biomarkers of buckwheat honey By solid-phase microextraction in order to establish authenticity., 2022, 19, 23-32.		0
95	Determination of volatile compound profiles and physico-chemical analysis of linden and acacia Czech honey. Journal of Apicultural Research, 0, , 1-9.	0.7	0
96	A Preliminary Investigation of Special Types of Honey Marketed in Morocco. , 2023, 1, 1-20.		3