

Association between chemistry and taste of tea: A review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Metabolism of Gallic Acid and Its Distributions in Tea (<i>Camellia sinensis</i>) Plants at the Tissue and Subcellular Levels. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5684.	1.8	21
2	Effect of baking on the flavor stability of green tea beverages. <i>Food Chemistry</i> , 2020, 331, 127258.	4.2	54
3	Dynamic changes in the metabolite profile and taste characteristics of Fu brick tea during the manufacturing process. <i>Food Chemistry</i> , 2021, 344, 128576.	4.2	59
4	Evaluating Congou black tea quality using a lab-made computer vision system coupled with morphological features and chemometrics. <i>Microchemical Journal</i> , 2021, 160, 105600.	2.3	20
5	The profile of dynamic changes in yellow tea quality and chemical composition during yellowing process. <i>LWT - Food Science and Technology</i> , 2021, 139, 110792.	2.5	32
6	Potential of smartphone-coupled micro NIR spectroscopy for quality control of green tea. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119096.	2.0	34
7	Green tea. , 2021, , 697-723.		0
8	The effects of circadian rhythm on catechin accumulation in tea leaves. <i>Beverage Plant Research</i> , 2021, 1, 1-9.	0.6	6
9	Magnesium Supplementation Alters Leaf Metabolic Pathways for Higher Flavor Quality of Oolong Tea. <i>Agriculture (Switzerland)</i> , 2021, 11, 120.	1.4	6
10	Just about right analysis of coffee leaves tea bitterness and astringency by modifying brewing temperature and time. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 672, 012053.	0.2	1
11	Gut microbiota-mediated improvement of metabolic disorders by Qingzhuan tea in high fat diet-fed mice. <i>Journal of Functional Foods</i> , 2021, 78, 104366.	1.6	25
12	Analysis of the Biochemical and Volatile Components of Qianlincha and Qiangdingcha Prepared from <i>Eurya alata</i> Kobuski and <i>Camellia cuspidate</i> . <i>Agronomy</i> , 2021, 11, 657.	1.3	0
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14	Estimation of Congou black tea quality by an electronic tongue technology combined with multivariate analysis. <i>Microchemical Journal</i> , 2021, 163, 105899.	2.3	25
15	Shading Promoted Theanine Biosynthesis in the Roots and Allocation in the Shoots of the Tea Plant (<i>Camellia sinensis</i> L.) Cultivar Shuchazao. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4795-4803.	2.4	34
16	R2R3-MYB transcription factor family in tea plant (<i>Camellia sinensis</i>): Genome-wide characterization, phylogeny, chromosome location, structure and expression patterns. <i>Genomics</i> , 2021, 113, 1565-1578.	1.3	45
17	<i>Helichrysum italicum</i> ssp. <i>italicum</i> Infusion Promotes Fat Oxidation in Hepatocytes and Stimulates Energy Expenditure and Fat Oxidation after Acute Ingestion in Humans: A Pilot Study. <i>Plants</i> , 2021, 10, 1516.	1.6	5
18	Reactivity of flavanols: Their fate in physical food processing and recent advances in their analysis by depolymerization. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 4841-4880.	5.9	23

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19	Effect of selenium on tea (<i>Camellia sinensis</i>) under low temperature: Changes in physiological and biochemical responses and quality. <i>Environmental and Experimental Botany</i> , 2021, 188, 104475.	2.0	29
20	Model Studies on the Reaction Products Formed at Roasting Temperatures from either Catechin or Tea Powder in the Presence of Glucose. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11417-11426.	2.4	15
21	Sensory evaluation, chemical structures, and threshold concentrations of bitter-tasting compounds in common foodstuffs derived from plants and maillard reaction: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 2277-2317.	5.4	15
22	Determination of caffeine, catechins and gallic acid in black tea of different geographical origin. <i>Zavodskaya Laboratoriya Diagnostika Materialov</i> , 2021, 87, 12-19.	0.1	0
23	An effective strategy for distinguishing the processing degree of <i>Polygonum multiflorum</i> based on the analysis of substance and taste by LC-MS, ICP-OES and electronic tongue. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 205, 114328.	1.4	7
24	Targeted and nontargeted metabolomics analysis for determining the effect of storage time on the metabolites and taste quality of keemun black tea. <i>Food Chemistry</i> , 2021, 359, 129950.	4.2	64
25	Oxygen-enriched fermentation improves the taste of black tea by reducing the bitter and astringent metabolites. <i>Food Research International</i> , 2021, 148, 110613.	2.9	34
26	The effect of <i>Eurotium cristatum</i> (MF800948) fermentation on the quality of autumn green tea. <i>Food Chemistry</i> , 2021, 358, 129848.	4.2	36
27	Quantitative changes in monosaccharides of Keemun black tea and qualitative analysis of theaflavins-glucose adducts during processing. <i>Food Research International</i> , 2021, 148, 110588.	2.9	27
28	Widely targeted metabolomics analysis of white peony teas with different storage time and association with sensory attributes. <i>Food Chemistry</i> , 2021, 362, 130257.	4.2	56
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30	Physicochemical indicators coupled with multivariate analysis for comprehensive evaluation of matcha sensory quality. <i>Food Chemistry</i> , 2022, 371, 131100.	4.2	25
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35	Performance of Seven Tea Accessions in North-central Florida: Correlations between Potential Yield and Growth Parameters over 2 Years. <i>HortTechnology</i> , 2021, 31, 846-851.	0.5	3
36	Discrimination and polyphenol compositions of green teas with seasonal variations based on UPLC-QTOF/MS combined with chemometrics. <i>Journal of Food Composition and Analysis</i> , 2022, 105, 104267.	1.9	20

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39	Comparison analysis of widely-targeted metabolomics revealed the variation of potential astringent ingredients and their dynamic accumulation in the seed coats of both <i>Carya cathayensis</i> and <i>Carya illinoensis</i> . Food Chemistry, 2022, 374, 131688.	4.2	26
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45	Effect of microbial fermentation on the sensory characteristics and chemical compositions of Chinese sweet tea (<i>Lithocarpus litseifolius</i> (Hance) Chun). Food Bioscience, 2022, 46, 101567.	2.0	13
46	How does the tea L-theanine buffer stress and anxiety. Food Science and Human Wellness, 2022, 11, 467-475.	2.2	19
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50	Phytochemical profile of differently processed tea: A review. Journal of Food Science, 2022, 87, 1925-1942.	1.5	34
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56	Targeted and untargeted metabolomic analyses and biological activity of Tibetan tea. <i>Food Chemistry</i> , 2022, 384, 132517.	4.2	25
57	Profiling of Branched Fatty Acid Esters of Hydroxy Fatty Acids in Teas and Their Potential Sources in Fermented Tea. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5369-5376.	2.4	17
58	A novel application of <i>checkâ€œcallâ€œthatâ€œapply</sc> with semiâ€œtrained assessors for tea sensory characterization and preference: Using Longjing tea as a case study. <i>Journal of Sensory Studies</i>, 2022, 37, .</i>	0.8	3
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61	Temporal Variation of the Non-Volatile Compounds and Key Odorants in Xinyang Maojian Green Teas during the Spring and Autumn Seasons. <i>Agronomy</i> , 2022, 12, 1085.	1.3	5
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67	Evaluation of sensory and safety quality characteristics of "high mountain tea". <i>Food Science and Nutrition</i> , 2022, 10, 3338-3354.	1.5	5
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70	Development and Functional Analysis of <i>Lithocarpus polystachyus</i> (wall.) Rehd Black Tea. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6991.	1.3	1
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72	Pile-fermentation of dark tea: Conditions optimization and quality formation mechanism. <i>LWT - Food Science and Technology</i> , 2022, 166, 113753.	2.5	15
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75	AuNPs-based lateral flow immunoassay for point-of-needs analysis of four neonicotinoids in tea samples: Effects of grinding degrees, solvent types and contents on extraction efficiency. <i>Food Chemistry</i> , 2022, 397, 133790.	4.2	5
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77	Molecular characterization of polyphenol oxidase between small and large leaf tea cultivars. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
78	Exogenous stimulation-induced biosynthesis of volatile compounds: Aroma formation of oolong tea at postharvest stage. <i>Critical Reviews in Food Science and Nutrition</i> , 2024, 64, 76-86.	5.4	7
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86	Effects of dynamic extraction conditions on the chemical composition and sensory quality traits of green tea. <i>LWT - Food Science and Technology</i> , 2022, 169, 113972.	2.5	3
87	Effect of brewing conditions on the chemical and sensory profiles of milk tea. <i>Food Chemistry: X</i> , 2022, 16, 100453.	1.8	3
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89	A putative biological adsorption process of binary mixture taste of sucrose and caffeine on human neuroreceptor site by the use of statistical physics modeling. <i>Journal of Molecular Structure</i> , 2023, 1273, 134225.	1.8	6
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94	Evaluation of the effects of solar withering on nonvolatile compounds in white tea through metabolomics and transcriptomics. Food Research International, 2022, 162, 112088.	2.9	10
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100	GC-MS-based untargeted metabolomics reveals the key volatile organic compounds for discriminating grades of Yichang big-leaf green tea. LWT - Food Science and Technology, 2022, 171, 114148.	2.5	11
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104	Phenolic compounds, antioxidant activity and sensory evaluation of sea buckthorn (<i>Hippophae</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	4
105	Characterization of Effects of Different Tea Harvesting Seasons on Quality Components, Color and Sensory Quality of 'Yinghong 9' and 'Huangyu' Large-Leaf-Variety Black Tea. Molecules, 2022, 27, 8720.	1.7	7
106	Quantitative fusion omics reveals that refrigeration drives methionine degradation through perturbing 5-methyltetrahydropteroyltryglutamate-homocysteine activity. Food Chemistry, 2023, 409, 135322.	4.2	26
107	Comparative analysis of different grades of Tieguanyin oolong tea based on metabolomics and sensory evaluation. LWT - Food Science and Technology, 2023, 174, 114423.	2.5	10
108	Minerals and bioactive components profiling in Se-enriched green tea and the Pearson correlation with Se. LWT - Food Science and Technology, 2023, 175, 114470.	2.5	6
109	The molecular mechanisms of quality difference for Alpine Qingming green tea and Guyu green tea by integrating multi-omics. Frontiers in Nutrition, 0, 9, .	1.6	1

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111	Shading effects revisited: Comparisons of spring and autumn shading treatments reveal a seasonal-dependent regulation on amino acids in tea leaves. <i>Beverage Plant Research</i> , 2023, 3, 1-9.	0.6	4
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113	GOLDEN 2-LIKE transcription factors regulate chlorophyll biosynthesis and flavonoid accumulation in response to UV-B in tea plants. <i>Horticultural Plant Journal</i> , 2023, 9, 1055-1066.	2.3	0
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118	Effects of Soil Physical and Chemical Properties on the Quality of Nanjing "Yuhua" Tea, a Type of Famous Green Tea. <i>Horticulturae</i> , 2023, 9, 189.	1.2	2
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120	An In Vitro Catalysis of Tea Polyphenols by Polyphenol Oxidase. <i>Molecules</i> , 2023, 28, 1722.	1.7	3
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122	Characterization of triterpenoids as possible bitter-tasting compounds in teas infected with bird's eye spot disease. <i>Food Research International</i> , 2023, 167, 112643.	2.9	3
123	Special tea products featuring functional components: Health benefits and processing strategies. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2023, 22, 1686-1721.	5.9	7
124	Quality Chemistry, Physiological Functions, and Health Benefits of Organic Acids from Tea (<i>Camellia</i>) Tj ETQq0 0 0 rBT /Overlock 10 Tf	1.7	2
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128	Characterization of the Difference between Day and Night Temperatures on the Growth, Photosynthesis, and Metabolite Accumulation of Tea Seedlings. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6718.	1.8	3
129	Utilising Spent Tea Leaves Powder as Functional Ingredient to Enhance the Quality of Non-Gluten Shortbread Cookies. <i>Foods</i> , 2023, 12, 1557.	1.9	1
130	Topics and trends in fresh tea (<i>Camellia sinensis</i>) leaf research: A comprehensive bibliometric study. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	2
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132	De novo full length transcriptome analysis of a naturally caffeine-free tea plant reveals specificity in secondary metabolic regulation. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
133	CsRVE1 promotes seasonal greening of albino <i>Camellia sinensis</i> cv. Huangkui by activating chlorophyll biosynthesis. <i>Tree Physiology</i> , 2023, 43, 1432-1443.	1.4	3
140	Flavor perception and health benefits of tea. <i>Advances in Food and Nutrition Research</i> , 2023, , .	1.5	0
154	Dissecting the role of microorganisms in tea production of different fermentation levels: a multifaceted review of their action mechanisms, quality attributes and future perspectives. <i>World Journal of Microbiology and Biotechnology</i> , 2023, 39, .	1.7	1
210	The effect of black and green tea extract addition on phenolic content and organoleptic properties of sponge cake. <i>AIP Conference Proceedings</i> , 2024, , .	0.3	0