Omer Said Toker

List of Publications by Year in descending order

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147801 182427 3,439 130 31 51 citations h-index g-index papers 131 131 131 3476 docs citations times ranked citing authors all docs

#	Article	IF	Citations
1	Oleogels, a promising structured oil for decreasing saturated fatty acid concentrations: Production and food-based applications. Critical Reviews in Food Science and Nutrition, 2018, 58, 1330-1341.	10.3	176
2	An evaluation of Fourier transforms infrared spectroscopy method for the classification and discrimination of bovine, porcine and fish gelatins. Food Chemistry, 2016, 190, 1109-1115.	8.2	162
3	Quality characterization of artisanal and retail Turkish blossom honeys: Determination of physicochemical, microbiological, bioactive properties and aroma profile. Industrial Crops and Products, 2013, 46, 124-131.	5.2	139
4	Physicochemical, bioactive, and sensory properties of persimmon-based ice cream: Technique for order preference by similarity to ideal solution to determine optimum concentration. Journal of Dairy Science, 2014, 97, 97-110.	3.4	107
5	Rapid detection of adulteration of cold pressed sesame oil adultered with hazelnut, canola, and sunflower oils using ATR-FTIR spectroscopy combined with chemometric. Food Control, 2017, 82, 212-216.	5.5	103
6	Ultrasonic vacuum drying technique as a novel process for shortening the drying period for beef and chicken meats. Innovative Food Science and Emerging Technologies, 2014, 26, 182-190.	5.6	97
7	Three interval thixotropy test (3ITT) in food applications: A novel technique to determine structural regeneration of mayonnaise under different shear conditions. Food Research International, 2015, 70, 125-133.	6.2	86
8	Pasting properties, texture profile and stress–relaxation behavior of wheat starch/dietary fiber systems. Food Research International, 2013, 53, 278-290.	6.2	78
9	Effect of xanthan and locust bean gum synergistic interaction on characteristics of biodegradable edible film. International Journal of Biological Macromolecules, 2017, 102, 1035-1044.	7.5	72
10	Steady, Dynamic, Creep, and Recovery Analysis of Ice Cream Mixes Added with Different Concentrations of Xanthan Gum. Food and Bioprocess Technology, 2013, 6, 1420-1433.	4.7	71
11	Bioactive and Physicochemical Properties of Persimmon as Affected by Drying Methods. Drying Technology, 2014, 32, 258-267.	3.1	71
12	Improving functionality of chocolate: A review on probiotic, prebiotic, and/or synbiotic characteristics. Trends in Food Science and Technology, 2016, 49, 35-44.	15.1	68
13	Recovery Potential of Cold Press Byproducts Obtained from the Edible Oil Industry: Physicochemical, Bioactive, and Antimicrobial Properties. Journal of Agricultural and Food Chemistry, 2015, 63, 2305-2313.	5.2	67
14	Effect of in situ exopolysaccharide production on physicochemical, rheological, sensory, and microstructural properties of the yogurt drink ayran: An optimization study based on fermentation kinetics. Journal of Dairy Science, 2015, 98, 1604-1624.	3.4	66
15	Steady, dynamic and creep rheological analysis as a novel approach to detect honey adulteration by fructose and saccharose syrups: Correlations with HPLC-RID results. Food Research International, 2014, 64, 634-646.	6.2	64
16	Conventional and sugar-free probiotic white chocolate: Effect of inulin DP on various quality properties and viability of probiotics. Journal of Functional Foods, 2018, 43, 206-213.	3.4	61
17	Effect of Oil Type and Fatty Acid Composition on Dynamic and Steady Shear Rheology of Vegetable Oils. Journal of Oleo Science, 2012, 61, 181-187.	1.4	60
18	Development of a fermented ice-cream as influenced by in situ exopolysaccharide production: Rheological, molecular, microstructural and sensory characterization. Carbohydrate Polymers, 2016, 136, 427-440.	10.2	57

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19	Using spray-dried microalgae in ice cream formulation as a natural colorant: Effect on physicochemical and functional properties. Algal Research, 2020, 47, 101811.	4.6	55
20	Temperature Dependency of Steady, Dynamic, and Creep-Recovery Rheological Properties of Ice Cream Mix. Food and Bioprocess Technology, 2013, 6, 2974-2985.	4.7	54
21	Investigating the usage of unsaturated fatty acid-rich and low-calorie oleogels as a shortening mimetics in cake. Journal of Food Processing and Preservation, 2018, 42, e13621.	2.0	54
22	The Effects of Different Gums and Their Interactions on the Rheological Properties of a Dairy Dessert: A Mixture Design Approach. Food and Bioprocess Technology, 2013, 6, 896-908.	4.7	53
23	Optimization of the content of 5-hydroxymethylfurfural (HMF) formed in some molasses types: HPLC-DAD analysis to determine effect of different storage time and temperature levels. Industrial Crops and Products, 2013, 50, 137-144.	5.2	52
24	Chewing gum: Production, quality parameters and opportunities for delivering bioactive compounds. Trends in Food Science and Technology, 2016, 55, 29-38.	15.1	50
25	The Effect of Starch Concentration and Temperature on Grape Molasses: Rheological and Textural Properties. Food and Bioprocess Technology, 2013, 6, 259-271.	4.7	41
26	Effects of in situ exopolysaccharide production and fermentation conditions on physicochemical, microbiological, textural and microstructural properties of Turkish-type fermented sausage (sucuk). Meat Science, 2016, 121, 156-165.	5.5	39
27	Incorporation of defatted apple seeds in chewing gum system and phloridzin dissolution kinetics. Journal of Food Engineering, 2019, 255, 9-14.	5.2	39
28	Effect of process conditions and amylose/amylopectin ratio on the pasting behavior of maize starch: A modeling approach. Journal of Cereal Science, 2020, 94, 102998.	3.7	39
29	Rheological Behaviour of Instant Hot Chocolate Beverage: Part 1. Optimization of the Effect of Different Starches and Gums. Food Biophysics, 2011, 6, 512-518.	3.0	35
30	Valorisation of grape by-products as a bulking agent in soft candies: Effect of particle size. LWT - Food Science and Technology, 2020, 118, 108776.	5.2	34
31	Effect of grape pomace usage in chocolate spread formulation on textural, rheological and digestibility properties. LWT - Food Science and Technology, 2021, 138, 110451.	5.2	34
32	Application of Different Multi-criteria Decision Techniques to Determine Optimum Flavour of Prebiotic Pudding Based on Sensory Analyses. Food and Bioprocess Technology, 2013, 6, 2844-2859.	4.7	33
33	Thermal loop test to determine structural changes and thermal stability of creamed honey: Rheological characterization. Journal of Food Engineering, 2015, 150, 90-98.	5.2	33
34	Prediction of fatty acid composition of vegetable oils based on rheological measurements using nonlinear models. European Journal of Lipid Science and Technology, 2012, 114, 1217-1224.	1.5	32
35	A modeling approach in the interpretation of starch pasting properties. Journal of Cereal Science, 2017, 74, 272-278.	3.7	32
36	Chocolate quality and conching. Trends in Food Science and Technology, 2019, 91, 446-453.	15.1	32

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37	Physicochemical and nutritional properties of taro (Colocasia esculenta L. Schott) flour as affected by drying temperature and air velocity. LWT - Food Science and Technology, 2016, 74, 434-440.	5.2	31
38	Optimization of Gum Combination in Prebiotic Instant Hot Chocolate Beverage Model System in Terms of Rheological Aspect: Mixture Design Approach. Food and Bioprocess Technology, 2013, 6, 783-794.	4.7	30
39	Formulation of dark chocolate as a carrier to deliver eicosapentaenoic and docosahexaenoic acids: Effects on product quality. Food Chemistry, 2018, 254, 224-231.	8.2	29
40	Developing functional white chocolate by incorporating different forms of EPA and DHA - Effects on product quality. LWT - Food Science and Technology, 2018, 87, 177-185.	5.2	29
41	Chocolate aroma: Factors, importance and analysis. Trends in Food Science and Technology, 2020, 99, 580-592.	15.1	29
42	Minimising the environmental footprint of industrial-scaled cleaning processes by optimisation of a novel clean-in-place system protocol. Journal of Cleaner Production, 2015, 108, 1009-1018.	9.3	28
43	Using spray-dried microalgae as a natural coloring agent in chewing gum: effects on color, sensory, and textural properties. Journal of Applied Phycology, 2018, 30, 1031-1039.	2.8	27
44	Investigating the addition of enzymes in gluten-free flours – The effect on pasting and textural properties. LWT - Food Science and Technology, 2016, 69, 633-641.	5.2	26
45	Application of simplex lattice mixture design for optimization of sucrose-free milk chocolate produced in a ball mill. LWT - Food Science and Technology, 2019, 115, 108435.	5.2	26
46	A mixture design study to determine interaction effects of wheat, buckwheat, and rice flours in an aqueous model system. LWT - Food Science and Technology, 2015, 61, 583-589.	5.2	25
47	Classification of Kashar Cheeses Based on Their Chemical, Color and Instrumental Textural Characteristics Using Principal Component and Hierarchical Cluster Analysis. International Journal of Food Properties, 2015, 18, 909-921.	3.0	23
48	Microencapsulation of fig seed oil rich in polyunsaturated fatty acids by spray drying. Journal of Food Measurement and Characterization, 2017, 11, 50-57.	3.2	23
49	Usage possibility of mannitol and soluble wheat fiber in low calorie gummy candies. LWT - Food Science and Technology, 2020, 128, 109531.	5.2	23
50	Rapid determination of emulsion stability by rheology-based thermal loop test. LWT - Food Science and Technology, 2020, 122, 109037.	5.2	23
51	Pre-crystallization process in chocolate: Mechanism, importance and novel aspects. Food Chemistry, 2020, 321, 126718.	8.2	23
52	Effect of vaporized ethyl pyruvate as a novel preservation agent for control of postharvest quality and fungal damage of strawberry and cherry fruits. LWT - Food Science and Technology, 2016, 65, 1044-1049.	5.2	22
53	Effects of polyols on the quality characteristics of sucrose-free milk chocolate produced in a ball mill. RSC Advances, 2019, 9, 29676-29688.	3.6	22
54	Changes in the texture, physicochemical properties and volatile compound profiles of fresh <scp>K</scp> ashar cheese (<90Adays) during ripening. International Journal of Dairy Technology, 2016, 69, 243-253.	2.8	21

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55	Using encapsulated Nannochloropsis oculata in white chocolate as coloring agent. Journal of Applied Phycology, 2020, 32, 3077-3088.	2.8	21
56	Investigating the effects of Lecithin-PGPR mixture on physical properties of milk chocolate. LWT - Food Science and Technology, 2020, 129, 109548.	5.2	21
57	Physicochemical, functional and sensory properties of mellorine enriched with different vegetable juices and TOPSIS approach to determine optimum juice concentration. Food Bioscience, 2014, 7, 45-55.	4.4	20
58	The influence of particle size on some physicochemical, rheological and melting properties and volatile compound profile of compound chocolate and cocolin samples. European Food Research and Technology, 2016, 242, 1253-1266.	3.3	20
59	Health conscious consumers and sugar confectionery: Present aspects and projections. Trends in Food Science and Technology, 2022, 123, 57-68.	15.1	20
60	Tulip petal as a novel natural food colorant source: Extraction optimization and stability studies. Industrial Crops and Products, 2016, 91, 215-222.	5.2	19
61	Optimization of gum combination for instant pudding based on creep and recovery parameters by mixture design approach. European Food Research and Technology, 2014, 238, 47-58.	3.3	18
62	Investigating the effect of production process of ball mill refiner on some physical quality parameters of compound chocolate: response surface methodology approach. International Journal of Food Science and Technology, 2017, 52, 788-799.	2.7	18
63	Phenolics release kinetics in sugared and sugarâ€free chewing gums: microencapsulated pomegranate peel extract usage. International Journal of Food Science and Technology, 2018, 53, 2657-2663.	2.7	18
64	Soft confectionery products: Quality parameters, interactions with processing and ingredients. Food Chemistry, 2022, 385, 132735.	8.2	18
65	Bioactive and rheological properties of rose hip marmalade. Journal of Food Science and Technology, 2015, 52, 6465-6474.	2.8	17
66	Enrichment of Milk Chocolate by Using EPA and DHA Originated from Various Origins: Effects on Product Quality. Sugar Tech, 2018, 20, 745-755.	1.8	17
67	Rheological properties of wax oleogels rich in high oleic acid. International Journal of Food Properties, 2017, 20, S2856-S2867.	3.0	16
68	A new trend among plant-based food ingredients in food processing technology: Aquafaba. Critical Reviews in Food Science and Nutrition, 2023, 63, 4467-4484.	10.3	16
69	Stress relaxation/creep compliance behaviour of kashar cheese: Scanning electron microscopy observations. International Journal of Dairy Technology, 2016, 69, 254-261.	2.8	15
70	Microbiological, steady, and dynamic rheological characterization of boza samples: temperature sweep tests and applicability of the Cox–Merz rule. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2014, 38, 377-387.	2.1	14
71	Combination of the Simple Additive (SAW) Approach and Mixture Design to Determine Optimum Cocoa Combination of the Hot Chocolate Beverage. International Journal of Food Properties, 2015, 18, 1677-1692.	3.0	14
72	Steady, dynamic, creep/recovery, and textural properties of yoghurt/molasses blends: Temperature sweep tests and applicability of Cox–Merz rule. Food Science and Technology International, 2016, 22, 31-46.	2.2	14

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73	Bioactive and bioaccessibility characteristics of honeybee pollens collected from different regions of Turkey. Journal of Food Measurement and Characterization, 2018, 12, 581-587.	3.2	14
74	Gummy candies production with natural sugar source: Effect of molasses types and gelatin ratios. Food Science and Technology International, 2022, 28, 118-127.	2.2	14
75	Rheological characteristics of Salvia sclarea seed gum solutions at different hydration temperature levels: Application of three interval thixotropy test (3ITT). LWT - Food Science and Technology, 2016, 71, 391-399.	5.2	13
76	Effect of temperature and starch concentration on the creep/recovery behaviour of the grape molasses: modelling with ANN, ANFIS and response surface methodology. European Food Research and Technology, 2013, 236, 1049-1061.	3.3	12
77	Effect of Inulin DP on Various Properties of Sugar-Free Dark Chocolates Containing Lactobacillus paracasei and Lactobacillus acidophilus. International Journal of Food Engineering, 2017, 13, .	1.5	12
78	Valorization of hazelnut cake in compound chocolate: The effect of formulation on rheological and physical properties. LWT - Food Science and Technology, 2021, 139, 110609.	5.2	11
79	Carob powder as cocoa substitute in milk and dark compound chocolate formulation. Journal of Food Science and Technology, 2021, 58, 4558-4566.	2.8	11
80	Physicochemical properties of chocolate spread with hazelnut cake: Comparative study and optimization. LWT - Food Science and Technology, 2021, 147, 111548.	5.2	11
81	Rapid tempering of sucrose-free milk chocolates by \hat{l}^2 V seeding: textural, rheological and melting properties. European Food Research and Technology, 2017, 243, 1849-1860.	3.3	11
82	A fundamental optimization study on chewing gum textural and sensorial properties: The effect of ingredients. Food Structure, 2020, 26, 100155.	4.5	10
83	Taro flour usage in wheat flour bread and glutenâ€free bread: Evaluation of rheological, technological and some nutritional properties. Journal of Food Process Engineering, 2020, 43, e13454.	2.9	10
84	Chocolate flow behavior: Composition and process effects. Critical Reviews in Food Science and Nutrition, 2023, 63, 3788-3802.	10.3	10
85	5-hydroxymethyl furfural formation and reaction kinetics of different pekmez samples: effect of temperature and storage. International Journal of Food Engineering, 2012, 8, .	1.5	9
86	Rheological and melting properties of sucrose-free dark chocolate. International Journal of Food Properties, 0, , 1-11.	3.0	8
87	Porphyridum Cruentum as a natural colorant in chewing gum. Food Science and Technology, 2019, 39, 195-201.	1.7	8
88	Using sprayâ€dried sugar beet molasses in ice cream as a novel bulking agent. International Journal of Food Science and Technology, 2020, 55, 1298-1310.	2.7	8
89	Buttermilk as milk powder and whey substitute in compound milk chocolate: Comparative study and optimisation. International Journal of Dairy Technology, 2021, 74, 246-257.	2.8	8
90	Evaluation of kashar cheese meltability by tack and large amplitude oscillatory shear (LAOS) tests. International Dairy Journal, 2022, 127, 105242.	3.0	8

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91	A response surface methodology study on the effects of some phenolics and storage period length on vegetable oil quality: change in oxidation stability parameters. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2014, 38, 759-772.	2.1	7
92	Combined design as a useful statistical approach to extract maximum amount of phenolic compounds from virgin olive oil waste. LWT - Food Science and Technology, 2016, 70, 24-32.	5.2	7
93	Characterization of Grape Molasses/Sesame Paste/Honey Blends: Multiple Response Optimization of Some Physicochemical, Bioactive, Viscoelastic and Sensory Properties. Journal of Food Process Engineering, 2017, 40, e12406.	2.9	7
94	Development of a Natural Chewing Gum from Plant Based Polymer. Journal of Polymers and the Environment, 2018, 26, 1969-1978.	5.0	7
95	Alternative Tempering of Sugar-Free Dark Chocolates by \hat{l}^2 (sub>v Seeding: Sensorial, Micro-Structural and Some Physical Properties and Volatile Profile. International Journal of Food Engineering, 2019, 15, .	1.5	7
96	Utilising grape juice processing byâ€products as bulking and colouring agent in white chocolate. International Journal of Food Science and Technology, 2022, 57, 4119-4128.	2.7	6
97	Pasting, Textural and Sensory Characteristics of the Kofter, A Fruit-Based Dessert: Effect of Molasses and Water Concentration. International Journal of Food Engineering, 2015, 11, 349-358.	1.5	5
98	Modeling of Bioactive Compound Content of Different Tea Bags: Effect of Steeping Temperature and Time. Journal of Food Processing and Preservation, 2017, 41, e12773.	2.0	5
99	Investigation of using possibility of grape pomace in wafer sheet for wheat flour substitution. International Journal of Food Science and Technology, 2022, 57, 3634-3642.	2.7	5
100	Modeling of rheological properties of mellorine mix including different oil and gum types by combined design, ANN, and ANFIS models. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2014, 38, 745-757.	2.1	4
101	Effect of yoghurt or yoghurt serum on microbial quality of cig kofte. Journal of Food Science and Technology, 2014, 51, 1406-1410.	2.8	4
102	Hydroxymethylfurfural content and physicochemical properties of the caramel samples enriched with different dietary fibres. Quality Assurance and Safety of Crops and Foods, 2015, 7, 277-285.	3.4	4
103	Ultrasonic Applications for Food Dehydration. , 2016, , 1247-1270.		4
104	Determining Honey Adulteration by Seeding Method: an Initial Study with Sunflower Honey. Food Analytical Methods, 2020, 13, 952-961.	2.6	4
105	Formulating and studying compound chocolate with adding dried grape pomace as a bulking agent. Journal of Food Science and Technology, 2022, 59, 1704-1714.	2.8	4
106	Pasting properties of buckwheat, rice and maize flours and textural properties of their gels: effect of ascorbic acid concentration. Quality Assurance and Safety of Crops and Foods, 2017, 9, 313-321.	3.4	4
107	Investigation of fatty acid composition and trans fatty acid formation in extracted oils from French-fried potatoes and classification of samples using chemometric approaches. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2015, 39, 80-90.	2.1	3
108	The effect of invertase concentration on quality parameters of fondant. Journal of Food Science and Technology, 2019, 56, 4242-4250.	2.8	3

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109	Caramelized white chocolate: effects of production process on quality parameters. Journal of Food Measurement and Characterization, 2021, 15, 3182-3194.	3.2	3
110	Effects of apple pomace as a sucrose substitute on the quality characteristics of compound chocolate and spread. Journal of Food Processing and Preservation, 2021, 45, e15773.	2.0	3
111	Investigation effects of inulin degree of polymerization on compound chocolate quality. Journal of Food Processing and Preservation, 2021, 45, e15766.	2.0	3
112	Change in major fatty acid composition of vegetable oil depending on phenolic incorporation and storage period. Quality Assurance and Safety of Crops and Foods, 2016, 8, 179-188.	3.4	3
113	Effect of Various Bulk Sweeteners on the Survivability of Lactobacillus casei 431 in Milk Chocolate: Rheological and Sensory Properties Analysis. Current Pharmaceutical Biotechnology, 2020, 21, 1224-1231.	1.6	3
114	Using spray-dried and encapsulated Nannochloropsis oculata biomasses in white spread. Journal of Applied Phycology, 2022, 34, 375-383.	2.8	3
115	Development of a novel rheological method for determining melting properties of gelatin-based gummies. International Journal of Biological Macromolecules, 2022, 209, 385-395.	7. 5	3
116	Effect of apple fibre on textural and relaxation properties of wheat chips dough. Quality Assurance and Safety of Crops and Foods, 2016, 8, 457-472.	3.4	2
117	Large amplitude oscillatory shear (LAOS) measurements as a promising tool to predict electrospinnability of pectin solutions. Journal of Applied Polymer Science, 2022, 139, 51652.	2.6	2
118	Some physicochemical and technological properties of cooking water of pulses as a canned industry waste: effect of ultrasound treatment during soaking. International Journal of Food Engineering, 2022, 18, 105-118.	1.5	2
119	Investigation of process parameters and albumin concentration as foaming agent on quality of marshmallow dough: production simulation with rheometer. Rheologica Acta, 2022, 61, 339-351.	2.4	2
120	Largeâ€amplitude oscillatory shear behavior of xanthan gum/locust bean gum mixture: Effect of preparation methods on synergistic interaction. Journal of Food Process Engineering, 2022, 45, .	2.9	2
121	"Optimization of Edible Oil Extraction from Ofada Rice Bran Using Response Surface Methodology―by Akinoso, R. & Adeyanju, J.A. [Food and Bioprocess Technology 5 (2012) 1372–1378]. Food and Bioprocess Technology, 2012, 5, 2630-2631.	4.7	1
122	Stability of lactic acid bacteria in synbiotic sugared and sugar-free milk chocolates. International Journal of Food Properties, 2017, , 1-12.	3.0	1
123	Investigation of rheological synergistic interactions between hydrocolloids and starch in milky cacao beverages model: principal component analyses. European Food Research and Technology, 2017, 243, 1031-1039.	3.3	1
124	A Novel Delivering Agent for Bioactive Compounds: Chewing Gum. Reference Series in Phytochemistry, 2019, , 1559-1596.	0.4	1
125	The effect of taro-wheat flour and taro-gluten free flour on cake batters and quality. Journal of Food Measurement and Characterization, 2021, 15, 531-540.	3.2	1
126	Ultrasonic Applications for Food Dehydration. , 2015, , 1-24.		1

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127	High potential food wastes: Evaluation of melon seeds as spreadable butter. Journal of Food Processing and Preservation, 0, , .	2.0	1
128	The Effect of Soapwort Extract as an Alternative to Albumin on the Physical, Textural, Sensory and Rheological Properties of Marshmallow. Journal of Food Processing and Preservation, 0, , .	2.0	1
129	A Novel Delivering Agent for Bioactive Compounds: Chewing Gum. Reference Series in Phytochemistry, 2018, , 1-39.	0.4	0
130	Ultrasonic Applications for Food Dehydration. , 2016, , 1-24.		0