

Alfi Khatib

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109
papers

2,489
citations

28
h-index

45
g-index

115
ext. papers

3,073
ext. citations

4.1
avg, IF

5.11
L-index

#	Paper	IF	Citations
109	An Investigation into the Antiobesity Effects of Morinda citrifolia L. Leaf Extract in High Fat Diet Induced Obese Rats Using a (1)H NMR Metabolomics Approach. <i>Journal of Diabetes Research</i> , 2016 , 2016, 2391592	3.9	273
108	Antioxidant and Antidiabetic Effects of Flavonoids: A Structure-Activity Relationship Based Study. <i>BioMed Research International</i> , 2017 , 2017, 8386065	3	116
107	A UPLC-MS/MS for simultaneous determination of aflatoxins, ochratoxin A, zearalenone, DON, fumonisins, T-2 toxin and HT-2 toxin, in cereals. <i>Food Control</i> , 2012 , 25, 647-653	6.2	116
106	Metabolomics for bioactivity assessment of natural products. <i>Phytotherapy Research</i> , 2011 , 25, 157-69	6.7	97
105	Comprehensive extraction method integrated with NMR metabolomics: a new bioactivity screening method for plants, adenosine A1 receptor binding compounds in <i>Orthosiphon stamineus</i> Benth. <i>Analytical Chemistry</i> , 2011 , 83, 6902-6	7.8	74
104	<i>Clinacanthus nutans</i> : A review of the medicinal uses, pharmacology and phytochemistry. <i>Asian Pacific Journal of Tropical Medicine</i> , 2016 , 9, 402-409	2.1	74
103	Fatty acid compositions of fish oil extracted from different parts of Indian mackerel (<i>Rastrelliger kanagurta</i>) using various techniques of supercritical CO ₂ extraction. <i>Food Chemistry</i> , 2010 , 120, 879-885	8.5	66
102	Comparative Analysis of Chemical Composition, Antioxidant Activity and Quantitative Characterization of Some Phenolic Compounds in Selected Herbs and Spices in Different Solvent Extraction Systems. <i>Molecules</i> , 2018 , 23,	4.8	63
101	¹ H-NMR-based metabolomics approach to understanding the drying effects on the phytochemicals in <i>Cosmos caudatus</i> . <i>Food Research International</i> , 2012 , 49, 763-770	7	59
100	Extraction of fish oil from the skin of Indian mackerel using supercritical fluids. <i>Journal of Food Engineering</i> , 2010 , 99, 63-69	6	53
99	Adenosine A1 receptor binding activity of methoxy flavonoids from <i>Orthosiphon stamineus</i> . <i>Planta Medica</i> , 2009 , 75, 132-6	3.1	52
98	Phytochemical diversity of <i>Clinacanthus nutans</i> extracts and their bioactivity correlations elucidated by NMR based metabolomics. <i>Phytochemistry Letters</i> , 2015 , 14, 123-133	1.9	46
97	Metabolic alteration in obese diabetes rats upon treatment with <i>Centella asiatica</i> extract. <i>Journal of Ethnopharmacology</i> , 2016 , 180, 60-9	5	45
96	GC-MS-based metabolite profiling of <i>Cosmos caudatus</i> leaves possessing alpha-glucosidase inhibitory activity. <i>Journal of Food Science</i> , 2014 , 79, C1130-6	3.4	43
95	Application of two-dimensional J-resolved nuclear magnetic resonance spectroscopy to differentiation of beer. <i>Analytica Chimica Acta</i> , 2006 , 559, 264-270	6.6	43
94	Metabolic changes in different developmental stages of <i>Vanilla planifolia</i> pods. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 7651-8	5.7	40
93	Chemical characterization and antioxidant activity of three medicinal Apiaceae species. <i>Industrial Crops and Products</i> , 2014 , 55, 238-247	5.9	38

92	Headspace solid-phase microextraction gas chromatography-mass spectrometry determination of volatile compounds in different varieties of African star apple fruit (<i>Chrysophyllum albidum</i>). <i>Food Chemistry</i> , 2013 , 141, 2089-97	8.5	38
91	Influence of origins and bee species on physicochemical, antioxidant properties and botanical discrimination of stingless bee honey. <i>International Journal of Food Properties</i> , 2019 , 22, 239-264	3	37
90	Effects of Different Drying Methods and Storage Time on Free Radical Scavenging Activity and Total Phenolic Content of <i>Cosmos Caudatus</i> . <i>Antioxidants</i> , 2014 , 3, 358-70	7.1	36
89	The influence of deep frying using various vegetable oils on acrylamide formation in sweet potato (<i>Ipomoea batatas</i> L. Lam) chips. <i>Journal of Food Science</i> , 2014 , 79, T115-21	3.4	35
88	Discrimination of three Pegaga (<i>Centella</i>) varieties and determination of growth-lighting effects on metabolites content based on the chemometry of 1H nuclear magnetic resonance spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 410-7	5.7	33
87	The Toxic Impact of Honey Adulteration: A Review. <i>Foods</i> , 2020 , 9,	4.9	33
86	Discrimination of young and mature leaves of <i>Melicope ptelefolia</i> using 1H NMR and multivariate data analysis. <i>Food Chemistry</i> , 2011 , 126, 640-645	8.5	32
85	Phytochemical and biological features of <i>Phyllanthus niruri</i> and <i>Phyllanthus urinaria</i> harvested at different growth stages revealed by 1 H NMR-based metabolomics. <i>Industrial Crops and Products</i> , 2015 , 77, 602-613	5.9	30
84	Metabolic and biochemical changes in streptozotocin induced obese-diabetic rats treated with <i>Phyllanthus niruri</i> extract. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 128, 302-312	3.5	29
83	PlantsUmetabolites as potential antiobesity agents. <i>Scientific World Journal, The</i> , 2012 , 2012, 436039	2.2	29
82	Comparison of Partial Least Squares and Artificial Neural Network for the prediction of antioxidant activity in extract of Pegaga (<i>Centella</i>) varieties from 1H Nuclear Magnetic Resonance spectroscopy. <i>Food Research International</i> , 2013 , 54, 852-860	7	28
81	Influence of growth stage and season on the antioxidant constituents of <i>Cosmos caudatus</i> . <i>Plant Foods for Human Nutrition</i> , 2012 , 67, 344-50	3.9	27
80	Rapid investigation of αglucosidase inhibitory activity of <i>Phaleria macrocarpa</i> extracts using FTIR-ATR based fingerprinting. <i>Journal of Food and Drug Analysis</i> , 2017 , 25, 306-315	7	26
79	Screening for natural and derived bio-active compounds in preclinical and clinical studies: One of the frontlines of fighting the coronaviruses pandemic. <i>Phytomedicine</i> , 2021 , 85, 153311	6.5	25
78	Relationship Between Metabolites Composition and Biological Activities of <i>Phyllanthus niruri</i> Extracts Prepared by Different Drying Methods and Solvents Extraction. <i>Plant Foods for Human Nutrition</i> , 2015 , 70, 184-92	3.9	24
77	<i>Cosmos caudatus</i> as a potential source of polyphenolic compounds: optimisation of oven drying conditions and characterisation of its functional properties. <i>Molecules</i> , 2013 , 18, 10452-64	4.8	24
76	Characterization of αGlucosidase Inhibitors from Lindau Leaves by Gas Chromatography-Mass Spectrometry-Based Metabolomics and Molecular Docking Simulation. <i>Molecules</i> , 2018 , 23,	4.8	23
75	Effect of storage time on metabolite profile and alpha-glucosidase inhibitory activity of <i>Cosmos caudatus</i> leaves - GCMS based metabolomics approach. <i>Journal of Food and Drug Analysis</i> , 2015 , 23, 433-441	7.4	22

74	Plants mentioned in the Islamic Scriptures (Holy Qur'ān and Ahadith): Traditional uses and medicinal importance in contemporary times. <i>Journal of Ethnopharmacology</i> , 2019 , 243, 112007	5	19
73	α-Glucosidase Inhibitory and Antioxidant Activities of Different Ipomoea aquatica Cultivars and LC-MS/MS Profiling of the Active Cultivar. <i>Journal of Food Biochemistry</i> , 2017 , 41, e12303	3-3	19
72	Antimicrobial Properties of <i>Apis mellifera</i> Bee Venom. <i>Toxins</i> , 2020 , 12,	4-9	19
71	Metabolite profiling of Ipomoea aquatica at different growth stages in correlation to the antioxidant and α-glucosidase inhibitory activities elucidated by 1H NMR-based metabolomics. <i>Scientia Horticulturae</i> , 2015 , 192, 400-408	4-1	18
70	Metabolite profiling of Neptunia oleracea and correlation with antioxidant and α-glucosidase inhibitory activities using 1H NMR-based metabolomics. <i>Phytochemistry Letters</i> , 2016 , 16, 23-33	1-9	18
69	Analysis of chicken fat as adulterant in butter using fourier transform infrared spectroscopy and chemometrics. <i>Grasas Y Aceites</i> , 2013 , 64, 349-355	1-3	18
68	Saffron (L.): As an Antidepressant. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2018 , 10, 173-180	1-1	18
67	Chemical Profiling of Different Types of Soy Sauce and the Relationship with its Sensory Attributes. <i>Journal of Food Quality</i> , 2016 , 39, 714-725	2-7	18
66	FTIR-ATR Spectroscopy Based Metabolite Fingerprinting as A Direct Determination of Butter Adulterated With Lard. <i>International Journal of Food Properties</i> , 2015 , 18, 372-379	3	17
65	Authentication of butter from lard adulteration using high-resolution of nuclear magnetic resonance spectroscopy and high-performance liquid chromatography. <i>International Journal of Food Properties</i> , 2017 , 20, 2147-2156	3	17
64	Classification of Raw Stingless Bee Honeys by Bee Species Origins Using the NMR- and LC-MS-Based Metabolomics Approach. <i>Molecules</i> , 2018 , 23,	4-8	17
63	Urinary metabolomics study on the protective role of Orthosiphon stamineus in Streptozotocin induced diabetes mellitus in rats via H NMR spectroscopy. <i>BMC Complementary and Alternative Medicine</i> , 2017 , 17, 278	4-7	16
62	Comparative evaluation of nutritional compositions, antioxidant capacities, and phenolic compounds of red and green sessile joyweed (Alternanthera sessilis). <i>Journal of Functional Foods</i> , 2016 , 21, 263-271	5-1	16
61	Discriminative Analysis of Different Grades of Gaharu (Aquilaria malaccensis Lamk.) via 1H-NMR-Based Metabolomics Using PLS-DA and Random Forests Classification Models. <i>Molecules</i> , 2017 , 22,	4-8	16
60	Orthogonal Partial Least Squares Model for Rapid Prediction of Antioxidant Activity of Pereskia bleo by Fourier Transform Infrared Spectroscopy. <i>Analytical Letters</i> , 2014 , 47, 2061-2071	2-2	16
59	Urinary metabolic profiling of cisplatin nephrotoxicity and nephroprotective effects of Orthosiphon stamineus leaves elucidated by H NMR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 135, 20-30	3-5	15
58	The promise of zebrafish as a model of metabolic syndrome. <i>Experimental Animals</i> , 2019 , 68, 407-416	1-8	15
57	Optimization of Hyperglycemic Induction in Zebrafish and Evaluation of Its Blood Glucose Level and Metabolite Fingerprint Treated with Jack Leaf Extract. <i>Molecules</i> , 2019 , 24,	4-8	15

56	Characterization of Metabolite Profile in <i>Phyllanthus niruri</i> and Correlation with Bioactivity Elucidated by Nuclear Magnetic Resonance Based Metabolomics. <i>Molecules</i> , 2017 , 22,	4.8	15
55	Isolation of individual hop iso-acids stereoisomers by Cyclodextrin. <i>Food Chemistry</i> , 2010 , 119, 354-357	8.5	15
54	Toxicity study on leaf hexane fraction using embryos. <i>Toxicology Reports</i> , 2019 , 6, 1148-1154	4.8	15
53	Antibacterial Effects of Flavonoids and Their Structure-Activity Relationship Study: A Comparative Interpretation.. <i>Molecules</i> , 2022 , 27,	4.8	14
52	Inhibitory effect of mixture herbs/spices on formation of heterocyclic amines and mutagenic activity of grilled beef. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018 , 35, 1911-1927	3.2	13
51	Application of FTIR-ATR spectroscopy coupled with multivariate analysis for rapid estimation of butter adulteration. <i>Journal of Oleo Science</i> , 2013 , 62, 555-62	1.6	13
50	NMR assignment of iso-alpha-acids from isomerised extracts of <i>Humulus lupulus</i> L. cones. <i>Phytochemical Analysis</i> , 2007 , 18, 371-7	3.4	13
49	A Comparative Characterization of Physicochemical and Antioxidants Properties of Processed Honey from Different Origins and Classification by Chemometrics Analysis. <i>Molecules</i> , 2019 , 24,	4.8	12
48	Effect of <i>Ipomoea aquatica</i> ethanolic extract in streptozotocin (STZ) induced diabetic rats viaH NMR-based metabolomics approach. <i>Phytomedicine</i> , 2017 , 36, 201-209	6.5	11
47	L. leaf extract prevent weight gain in Sprague-Dawley rats fed a high fat diet. <i>Food and Nutrition Research</i> , 2017 , 61, 1338919	3.1	11
46	Fourier transform infrared spectroscopy and multivariate analysis of milk from different goat breeds. <i>International Journal of Food Properties</i> , 2019 , 22, 1673-1683	3	10
45	Detection of Butter Adulteration with Lard by Employing (1)H-NMR Spectroscopy and Multivariate Data Analysis. <i>Journal of Oleo Science</i> , 2015 , 64, 697-703	1.6	10
44	Metabolic characterization of green pods from <i>Vanilla planifolia</i> accessions grown in La Réunion. <i>Environmental and Experimental Botany</i> , 2011 , 72, 258-265	5.9	10
43	Metabolomic analysis and biochemical changes in the urine and serum of streptozotocin-induced normal- and obese-diabetic rats. <i>Journal of Physiology and Biochemistry</i> , 2018 , 74, 403-416	5	10
42	Infrared-metabolomics approach in detecting changes in <i>Andrographis paniculata</i> metabolites due to different harvesting ages and times. <i>Journal of the Science of Food and Agriculture</i> , 2015 , 95, 2533-43	4.3	9
41	Comparison of partial least squares and random forests for evaluating relationship between phenolics and bioactivities of <i>Neptunia oleracea</i> . <i>Journal of the Science of Food and Agriculture</i> , 2018 , 98, 240-252	4.3	9
40	Medicinal Potential of Isoflavonoids: Polyphenols That May Cure Diabetes. <i>Molecules</i> , 2020 , 25,	4.8	9
39	Application of BATMAN and BAYESIL for quantitative 1H-NMR based metabolomics of urine: discriminant analysis of lean, obese, and obese-diabetic rats. <i>Metabolomics</i> , 2017 , 13, 1	4.7	8

38	Correlation of FT-IR Fingerprint and α -Glucosidase Inhibitory Activity of Salak () Fruit Extracts Utilizing Orthogonal Partial Least Square. <i>Molecules</i> , 2018 , 23,	4.8	8
37	(Pers.): Food and Medicinal Plant with Potential In Vitro and In Vivo Anti-Cancer Activities. <i>Molecules</i> , 2019 , 24,	4.8	8
36	Identification of α -Glucosidase inhibitors from leaf extract using liquid chromatography-mass spectrometry-based metabolomics and protein-ligand interaction with molecular docking. <i>Journal of Pharmaceutical Analysis</i> , 2019 , 9, 91-99	14	8
35	Exploring natural products-based cancer therapeutics derived from egyptian flora. <i>Journal of Ethnopharmacology</i> , 2021 , 269, 113626	5	8
34	Effect of Different Drying Treatments and Solvent Ratios on Phytochemical Constituents of Ipomoea aquatica and Correlation with α -Glucosidase Inhibitory Activity. <i>International Journal of Food Properties</i> , 2016 , 19, 2817-2831	3	7
33	Characterization of Antioxidant Activity of Momordica Charantia Fruit by Infrared-Based Fingerprinting. <i>Analytical Letters</i> , 2017 , 50, 1977-1991	2.2	7
32	Phytoconstituents from Vernonia glaberrima Welw. Ex O. Hoffm. leaves and their cytotoxic activities on a panel of human cancer cell lines. <i>South African Journal of Botany</i> , 2018 , 116, 16-24	2.9	6
31	The investigation of antioxidant and antidiabetic activities of Christia vespertilionis leaves extracts. <i>South African Journal of Botany</i> , 2020 , 133, 227-235	2.9	6
30	Screening of Various Parts of Phaleria macrocarpa Plant for α -Glucosidase Inhibitory Activity. <i>Journal of Food Biochemistry</i> , 2016 , 40, 201-210	3.3	6
29	Anticancer activity of grassy Hystrix brachyura bezoar and its mechanisms of action: An in vitro and in vivo based study. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 114, 108841	7.5	5
28	Effects of different types of soy sauce on the formation of heterocyclic amines in roasted chicken. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018 , 35, 870-881	3.2	5
27	Identification of Possible Compounds Possessing Adenosine A1 Receptor Binding Activity in the Leaves of Orthosiphon stamineus Using TLC and Multivariate Data Analysis. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009 , 32, 2906-2916	1.3	5
26	Variation in the metabolites and α -Glucosidase inhibitory activity of Cosmos caudatus at different growth stages. <i>BMC Complementary and Alternative Medicine</i> , 2019 , 19, 245	4.7	4
25	Extraction of α -Glucosidase inhibitory compounds from Phaleria macrocarpa fruit flesh using solvent, sonication, and subcritical carbon dioxide soxhlet methods. <i>Journal of Food Biochemistry</i> , 2017 , 41, e12399	3.3	4
24	Storage Stability of Fish Oil from Langkawi Island, Malaysia. <i>Food Science and Technology Research</i> , 2009 , 15, 591-598	0.8	4
23	NMR and LCMS analytical platforms exhibited the nephroprotective effect of Clinacanthus nutans in cisplatin-induced nephrotoxicity in the in vitro condition. <i>BMC Complementary Medicine and Therapies</i> , 2020 , 20, 320	2.9	4
22	Characterization of α -Glucosidase Inhibitors from Jack Leaves Extract Using LC-MS-Based Multivariate Data Analysis and In-Silico Molecular Docking. <i>Molecules</i> , 2020 , 25,	4.8	4
21	DIFFERENTIATION OF FATTY ACID COMPOSITION OF BUTTER ADULTERATED WITH LARD USING GAS CHROMATOGRAPHY MASS SPECTROMETRY COMBINED WITH PRINCIPAL COMPONENT ANALYSIS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016 , 78,	1.2	4

20	Rapid investigation of α -glucosidase inhibitory activity of <i>Clinacanthus nutans</i> leaf using infrared fingerprinting. <i>Vibrational Spectroscopy</i> , 2019 , 100, 22-29	2.1	4
19	GC-MS analysis of metabolites from soxhlet extraction, ultrasound-assisted extraction and supercritical fluid extraction of flesh and its alpha-glucosidase inhibitory activity. <i>Natural Product Research</i> , 2020 , 34, 1341-1344	2.3	4
18	GC-MS metabolomics revealed protocatechuic acid as a cytotoxic and apoptosis-inducing compound from black rice brans. <i>Food Science and Biotechnology</i> , 2020 , 29, 825-835	3	3
17	Multivariate analysis of PRISMA optimized TLC image for predicting antioxidant activity and identification of contributing compounds from <i>Pereskia bleo</i> . <i>Biomedical Chromatography</i> , 2015 , 29, 1826-33	1.7	3
16	The Inhibitory Effects of Honey Marinades on the Formation of Carcinogenic Heterocyclic Amines in Grilled Beef Satay. <i>Molecules</i> , 2020 , 25,	4.8	3
15	Antiradical and Xanthine Oxidase Inhibitory Activity Evaluations of L. Leaves and Tentative Identification of Bioactive Constituents through LC-QTOF-MS/MS and Molecular Docking Approach. <i>Antioxidants</i> , 2018 , 7,	7.1	3
14	Bee Stressors from an Immunological Perspective and Strategies to Improve Bee Health. <i>Veterinary Sciences</i> , 2022 , 9, 199	2.4	3
13	Discrimination of <i>Clinacanthus nutans</i> extracts and correlation with antiplasmodial activity using ATR-FTIR fingerprinting. <i>Vibrational Spectroscopy</i> , 2019 , 104, 102966	2.1	2
12	The Application of β -Cyclodextrin to Separate cis- from trans-Iso- α -Acids in an Isomerized Hop Extract. <i>Journal of the American Society of Brewing Chemists</i> , 2010 , 68, 15-20	1.9	2
11	APPLICATION OF TWO DIMENSIONAL THIN LAYER CHROMATOGRAPHY PATTERN COMPARISON FOR FINGERPRINTING THE ACTIVE COMPOUNDS IN THE LEAVES OF VITEX TRIFOLIA LINN POSSESSING ANTI-TRACHEOSPASMOLYTIC ACTIVITY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009 , 33, 214-224	1.3	2
10	High Performance Liquid Chromatographic Method for Iso- α -Acids. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006 , 29, 293-302	1.3	2
9	Cosmetic Applications of Bee Venom. <i>Toxins</i> , 2021 , 13,	4.9	2
8	Antioxidant and α -glucosidase inhibitory activities and gas chromatography-mass spectrometry profile of salak (<i>Salacca zalacca</i>) fruit peel extracts. <i>Pharmacognosy Research (discontinued)</i> , 2018 , 10, 385	0.7	2
7	In Vivo Toxicity Evaluation of Sugar Adulterated Honey Using Zebrafish Model. <i>Molecules</i> , 2021 , 26,	4.8	2
6	Antioxidant Activities of L. Fruit and Gas Chromatography-Mass Spectrometry (GC-MS) of the Active Fractions. <i>Antioxidants</i> , 2018 , 7,	7.1	2
5	Antioxidants profile of fruit extract analyzed using LC-MS-QTOF-based metabolomics.. <i>Food Chemistry Molecular Sciences</i> , 2021 , 2, 100012	1	2
4	Determination toxic effects of <i>Hystrix Brachyura</i> Bezoar extracts using cancer cell lines and embryo zebrafish (<i>Danio rerio</i>) models and identification of active principles through GC-MS analysis. <i>Journal of Ethnopharmacology</i> , 2020 , 262, 113138	5	1
3	Alpha-Glucosidase Inhibitory Effect of Jack Leaf: A Rapid Analysis Using Infrared Fingerprinting. <i>Molecules</i> , 2020 , 25,	4.8	1

- 2 An Anticancer Activity Evaluation of (Roxb.) Bosser Leaves Extract and its Metabolite Profile. *Frontiers in Pharmacology*, **2021**, 12, 741683 5.6 0
- 1 The Incidence of Adult Obesity is Associated with Parental and Adolescent Histories of Obesity in North Sumatra, Indonesia: A Cross-Sectional Study. *Journal of Multidisciplinary Healthcare*, **2021**, 14, 2437-2444 2.8