

Mohamad Rafi

List of Publications by Year in descending order

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78
papers

574
citations

840776

11
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752698

20
g-index

81
all docs

81
docs citations

81
times ranked

652
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Discrimination of red and white rice bran from Indonesia using HPLC fingerprint analysis combined with chemometrics. <i>Food Chemistry</i> , 2017, 221, 1717-1722. | 8.2 | 52 |
| 2 | Fourier transform infrared spectroscopy combined with chemometrics for discrimination of <i>Curcuma longa</i> , <i>Curcuma xanthorrhiza</i> and <i>Zingiber cassumunar</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 1244-1249. | 3.9 | 43 |
| 3 | The use of FTIR and Raman spectroscopy in combination with chemometrics for analysis of biomolecules in biomedical fluids: A review. <i>Biomedical Spectroscopy and Imaging</i> , 2020, 8, 55-71. | 1.2 | 40 |
| 4 | Virgin Coconut Oil: Extraction, Physicochemical Properties, Biological Activities and Its Authentication Analysis. <i>Food Reviews International</i> , 2021, 37, 46-66. | 8.4 | 35 |
| 5 | Simultaneous determination of gingerols and shogaol using capillary liquid chromatography and its application in discrimination of three ginger varieties from Indonesia. <i>Talanta</i> , 2013, 103, 28-32. | 5.5 | 26 |
| 6 | A combination of simultaneous quantification of four triterpenes and fingerprint analysis using HPLC for rapid identification of <i>Centella asiatica</i> from its related plants and classification based on cultivation ages. <i>Industrial Crops and Products</i> , 2018, 122, 93-97. | 5.2 | 23 |
| 7 | Curcuminoid's Content and Fingerprint Analysis for Authentication and Discrimination of <i>Curcuma xanthorrhiza</i> from <i>Curcuma longa</i> by High-Performance Liquid Chromatography-Diode Array Detector. <i>Food Analytical Methods</i> , 2015, 8, 2185-2193. | 2.6 | 22 |
| 8 | Total Phenolics, Flavonoids, and Anthocyanin Contents of Six <i>Vireya Rhododendron</i> from Indonesia and Evaluation of their Antioxidant Activities. <i>Journal of Applied Pharmaceutical Science</i> , 2018, 8, 49-54. | 1.0 | 20 |
| 9 | Metabolomic approach for understanding phenolic compounds and melanoidin roles on antioxidant activity of <i>Indonesia robusta</i> and <i>arabica</i> coffee extracts. <i>Food Science and Biotechnology</i> , 2017, 26, 1475-1480. | 2.6 | 19 |
| 10 | Classification of <i>Andrographis paniculata</i> extracts by solvent extraction using HPLC fingerprint and chemometric analysis. <i>BMC Research Notes</i> , 2020, 13, 56. | 1.4 | 19 |
| 11 | Untargeted Metabolomics Analysis Using FTIR and UHPLC-Q-Orbitrap HRMS of Two <i>Curculigo</i> Species and Evaluation of Their Antioxidant and α -Glucosidase Inhibitory Activities. <i>Metabolites</i> , 2021, 11, 42. | 2.9 | 19 |
| 12 | Phytochemical analysis and antioxidant activities of ethanol extract of stingless bee propolis from Indonesia. <i>AIP Conference Proceedings</i> , 2020, , . | 0.4 | 13 |
| 13 | Metabolite profiling of <i>Andrographis paniculata</i> leaves and stem extract using UHPLC-Orbitrap-MS/MS. <i>Natural Product Research</i> , 2022, 36, 625-629. | 1.8 | 12 |
| 14 | In vivo antioxidant activities of <i>Curcuma longa</i> and <i>Curcuma xanthorrhiza</i> : a review. <i>Food Research</i> , 2019, 4, 13-19. | 0.8 | 12 |
| 15 | Phytochemical Profile And Antioxidant Activity Of <i>Guazuma ulmifolia</i> Leaves Extracts Using Different Solvent Extraction. <i>Indonesian Journal of Pharmacy</i> , 0, , 171. | 0.3 | 12 |
| 16 | Metabolite Fingerprinting Using $^1\text{H-NMR}$ Spectroscopy and Chemometrics for Classification of Three <i>Curcuma</i> Species from Different Origins. <i>Molecules</i> , 2021, 26, 7626. | 3.8 | 11 |
| 17 | Secondary metabolite compounds from <i>Sida</i> genus and their bioactivity. <i>Heliyon</i> , 2021, 7, e06682. | 3.2 | 10 |
| 18 | DIFFERENTIATION OF <i>Curcuma longa</i> , <i>Curcuma xanthorrhiza</i> and <i>Zingiber cassumunar</i> ; BY THIN LAYER CHROMATOGRAPHY FINGERPRINT ANALYSIS. <i>Indonesian Journal of Chemistry</i> , 2011, 11, 71-74. | 0.8 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Metabolite Fingerprinting Based on ¹ H-NMR Spectroscopy and Liquid Chromatography for the Authentication of Herbal Products. <i>Molecules</i> , 2022, 27, 1198. | 3.8 | 10 |
| 20 | L-Histidine-Modified Silica from Rice Husk and Optimization of Adsorption Condition for Extractive Concentration of Pb(II). <i>Journal of Pure and Applied Chemistry Research</i> , 2018, 7, 198-208. | 0.1 | 8 |
| 21 | Chemical composition and antioxidant studies of underutilized part of mangosteen (<i>Garcinia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 1.0 | 8 |
| 22 | Natural Antioxidant Activities of Plants in Preventing Cataractogenesis. <i>Antioxidants</i> , 2022, 11, 1285. | 5.1 | 8 |
| 23 | Multiple spectroscopic fingerprinting platforms for rapid characterization of α -glucosidase inhibitors and antioxidants from some commonly consumed Indonesian vegetables and spices. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 1699-1707. | 3.2 | 7 |
| 24 | Fast Analytical Method for Authentication of Chili Powder from Synthetic Dyes Using UV-Vis Spectroscopy in Combination with Chemometrics. <i>Indonesian Journal of Chemistry</i> , 2019, 19, 668. | 0.8 | 7 |
| 25 | Review on in vitro antioxidant activities of <i>Curcuma</i> species commonly used as herbal components in Indonesia. <i>Food Research</i> , 2019, 4, 286-293. | 0.8 | 7 |
| 26 | Discrimination and Determination of Extractive Content of Ebony (<i>Diospyros celebica</i> Bakh.) from Celebes Island by Near-Infrared Spectroscopy. <i>Forests</i> , 2021, 12, 6. | 2.1 | 7 |
| 27 | Combination of near infrared spectroscopy and chemometrics for authentication of taro flour from wheat and sago flour. <i>Journal of Physics: Conference Series</i> , 2017, 835, 012011. | 0.4 | 6 |
| 28 | HPLC fingerprint and simultaneous quantitative analysis of phyllanthin and hypophyllanthin for identification and authentication of <i>Phyllanthus niruri</i> from related species. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 527-532. | 1.4 | 6 |
| 29 | FTIR-based fingerprinting combined with chemometrics for discrimination of <i>Sonchus arvensis</i> leaves extracts of various extracting solvents and the correlation with its antioxidant activity. <i>Indonesian Journal of Pharmacy</i> , 0, , 132-140. | 0.3 | 6 |
| 30 | <i>Nigella sativa</i> oil: physico-chemical properties, authentication analysis and its antioxidant activity. <i>Food Research</i> , 2019, 3, 628-634. | 0.8 | 6 |
| 31 | Simultaneous quantification of curcuminoids and xanthorrhizol in <i>Curcuma xanthorrhizab</i> y high-performance liquid chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2017, 40, 635-639. | 1.0 | 5 |
| 32 | Effect of ethanol polarity on extraction yield, antioxidant, and sunscreen activities of phytochemicals from <i>Gyrinops versteegii</i> leaves. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 935, 012038. | 0.6 | 5 |
| 33 | An HPLC-DAD Method to Quantify Flavonoids in <i>Sonchus arvensis</i> and Able to Classify the Plant Parts and Their Geographical Area through Principal Component Analysis. <i>Separations</i> , 2021, 8, 12. | 2.4 | 5 |
| 34 | FTIR and HPLC-Based Metabolomics of Yacon Leaves Extracts (<i>Smallanthus sonchifolius</i>) [Poepp & Tj ETQq0 0,0 rgBT /Overlock 1 | 0.8 | 5 |
| 35 | FTIR-based Fingerprinting and Chemometrics for Rapid Investigation of Antioxidant Activity from <i>Syzygium polyanthum</i> Extracts. <i>Indonesian Journal of Chemistry</i> , 2020, 21, 128. | 0.8 | 5 |
| 36 | Antioxidant Activity, Sun Protection Activity, and Phytochemical Profile of Ethanolic Extracts of <i>Daemonorops acehensis</i> Resin and Its Phytosomes. <i>Scientia Pharmaceutica</i> , 2022, 90, 10. | 2.0 | 5 |

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|----|--|-----|-----------|
| 37 | HPLC fingerprinting coupled with linear discriminant analysis for the detection of adulteration in <i>Orthosiphon aristatus</i> . Journal of Liquid Chromatography and Related Technologies, 2019, 42, 513-520. | 1.0 | 4 |
| 38 | Intsia bijuga Heartwood Extract and Its Phytosome as Tyrosinase Inhibitor, Antioxidant, and Sun Protector. Forests, 2021, 12, 1792. | 2.1 | 4 |
| 39 | Capillary liquid chromatographic fingerprint used for discrimination of <i>Zingiber montanum</i> from related species. Analytical and Bioanalytical Chemistry, 2013, 405, 6599-6603. | 3.7 | 3 |
| 40 | Feasibility of UV-Vis Spectral Fingerprinting Combined with Chemometrics for Rapid Detection of <i>Phyllanthus niruri</i> Adulteration with <i>Leucaena leucocephala</i> . Sains Malaysiana, 2021, 50, 997-1006. | 0.5 | 3 |
| 41 | High performance liquid chromatography fingerprint analysis for quality control of brotowali (<i>Tinospora crispa</i>). Journal of Physics: Conference Series, 2017, 835, 012016. | 0.4 | 3 |
| 42 | OPTIMIZATION OF EXTRACTION CONDITIONS FOR ANDROGRAPHOLIDE USING FRACTIONAL FACTORIAL DESIGN. Indonesian Journal of Pharmacy, 2014, 25, 145. | 0.3 | 3 |
| 43 | TOTAL PHENOLIC CONTENT AND ANTIOXIDANT ACTIVITIES OF BUNI FRUIT (<i>ANTIDESMA BUNIUS</i> L.) IN MONCONGLOE MAROS DISTRICT EXTRACTED USING ULTRASOUND-ASSISTED EXTRACTION. Rasayan Journal of Chemistry, 2020, 13, 684-689. | 0.4 | 3 |
| 44 | Influence of Combined NPK and Manure on Improving Growth, Photosynthetic Characteristic and Yield of <i>Justicia gendarussa</i> Burm. F.. Pakistan Journal of Biological Sciences, 2021, 24, 1162-1168. | 0.5 | 3 |
| 45 | Metabolite Profiling of Java Turmeric (<i>Curcuma xanthoriza</i>) Essential Oil with Different Harvest Times. Jurnal Kimia Sains Dan Aplikasi, 2018, 21, 237-241. | 0.4 | 2 |
| 46 | Determination of Total Phenolic Content and Antioxidant Activity of Six Ornamental Plants. Jurnal Kimia Sains Dan Aplikasi, 2019, 22, 79-84. | 0.4 | 2 |
| 47 | Data Fusion of UV-Vis and FTIR Spectra Combined with Principal Component Analysis for Distinguishing of <i>Andrographis paniculata</i> Extracts Based on Cultivation Ages and Solvent Extraction. Indonesian Journal of Chemistry, 2021, 21, 753. | 0.8 | 2 |
| 48 | Ripe pulp metabolite profiling of ten Indonesian dessert banana cultivars using UHPLC-Q-Orbitrap HRMS. European Food Research and Technology, 2021, 247, 2821-2830. | 3.3 | 2 |
| 49 | Metabolite profiling, distribution of secretory structures, and histochemistry in <i>Curculigo orchioides</i> Gaertn. and <i>Curculigo latifolia</i> Dryand. ex W.T.Aiton. Turkish Journal of Botany, 2021, 45, 421-439. | 1.2 | 2 |
| 50 | HPLC Fingerprint Analysis Combined with Chemometrics for Authentication of <i>Kaempferia galanga</i> from Related Species. Indonesian Journal of Chemistry, 2016, 16, 308. | 0.8 | 2 |
| 51 | Investigation of Yacon Leaves (<i>Smallanthus sonchifolius</i>) for $\hat{\alpha}$ -Glucosidase Inhibitors Using Metabolomics and In Silico Approach. Plant Foods for Human Nutrition, 2021, 76, 487-493. | 3.2 | 2 |
| 52 | Thin Layer Chromatographic Fingerprint and Chemometrics Analysis for Identification of <i>Phyllanthus niruri</i> from its Related Species. Journal of the Indonesian Chemical Society, 2020, 3, 47. | 0.3 | 2 |
| 53 | The Use of Chemometrics for Classification of Sidaguri (<i>Sida rhombifolia</i>) Based on FTIR Spectra and Antiradical Activities. Indonesian Journal of Chemistry, 2021, 21, 1568. | 0.8 | 2 |
| 54 | Total Phenolic Content, Antioxidant, and Sunscreen Activities of <i>Daemonorops draco</i> Resin Extracts from Extraction at Various Ethanol Concentrations and Resin-Solvent Ratio. IOP Conference Series: Earth and Environmental Science, 2021, 891, 012023. | 0.3 | 2 |

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|----|--|-----|-----------|
| 55 | High performance thin layer chromatography fingerprint analysis of guava (<i>Psidium guajava</i>) leaves. <i>Journal of Physics: Conference Series</i> , 2017, 835, 012018. | 0.4 | 1 |
| 56 | Antioxidant and Antibacterial Activities of Several Fractions from <i>Crescentia cujete</i> L. Stem Bark Extract. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 197, 012004. | 0.3 | 1 |
| 57 | Optimization of Cd(II) adsorption condition by glycine-modified silica-based adsorbent using central composite design. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2019, 22, 184-191. | 0.4 | 1 |
| 58 | Silica modified L-lysine as Pb (II) adsorbent. <i>AIP Conference Proceedings</i> , 2020, , . | 0.4 | 1 |
| 59 | Antioxidant, antibacterial, and degradation <i>Streptococcus mutans</i> biofilms activities of black pepper (<i>Piper nigrum</i>) seed extract. <i>AIP Conference Proceedings</i> , 2020, , . | 0.4 | 1 |
| 60 | Preclinical Trial of Propolis Extract in Prevention of High Salt Diet- Induced Hypertension. <i>Pharmacognosy Journal</i> , 2021, 13, 89-96. | 0.8 | 1 |
| 61 | Inhibition of α -glucosidase activity, metals content, and phytochemical profiling of <i>Andrographis paniculata</i> from different geographical origins based on FTIR and UHPLC-Q-Orbitrap HRMS metabolomics. <i>Biodiversitas</i> , 2021, 22, . | 0.6 | 1 |
| 62 | FIRST-ORDER ULTRAVIOLET DERIVATIVE SPECTROPHOTOMETRIC METHODS FOR DETERMINATION OF RESERPINE IN ANTIHYPERTENSION TABLET. <i>Indonesian Journal of Chemistry</i> , 2012, 12, 268-272. | 0.8 | 1 |
| 63 | Development of Quality Control Method for Glucofarmaka Antidiabetic Jamu by HPLC Fingerprint Analysis. <i>Indonesian Journal of Chemistry</i> , 2017, 17, 79. | 0.8 | 1 |
| 64 | Pharmacoeconomic Rationale of Zinc Supplementation In The Management of Acute Diarrhea In Children With Rotavirus Infection In Indonesia. <i>Indonesian Journal of Pharmacy</i> , 2019, 30, 285. | 0.3 | 1 |
| 65 | Discrimination of cassava, taro, and wheat flour using near-infrared spectroscopy and chemometrics. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2020, 23, 360-364. | 0.4 | 1 |
| 66 | A review on phytochemical constituents, role on metabolic diseases, and toxicological assessments of underutilized part of <i>Garcinia mangostana</i> L. fruit. <i>Journal of Applied Pharmaceutical Science</i> , 0, , . | 1.0 | 1 |
| 67 | Total Phenolic Content of Methanol Extract from Buni Fruits (<i>Antidesma bunius</i> L.) Water. <i>Journal of Physics: Conference Series</i> , 2020, 1655, 012029. | 0.4 | 1 |
| 68 | Metabolite Profiling of Ebony (<i>Diospyros celebica</i> Bakh) Leaves and Wood Extracts Using LC-MS/MS. <i>Indonesian Journal of Chemistry</i> , 2021, 22, 352. | 0.8 | 1 |
| 69 | Hidrokarbon Aromatik Polisiklik pada Lahan Tercemar Limbah Minyak Bumi: Tinjauan Pertumbuhan Mikro-Organisme, Proses Metabolisme dan Biodegradasi. <i>Jurnal Ilmu Lingkungan</i> , 2018, 16, 9. | 0.2 | 0 |
| 70 | Preface: The 8th International Conference of the Indonesian Chemical Society 2019. <i>AIP Conference Proceedings</i> , 2020, , . | 0.4 | 0 |
| 71 | HPLC-FTIR spectroscopy combined with multivariate calibration for analysis of <i>Andrographolide</i> in <i>Andrographis paniculata</i> extract. <i>Journal of Applied Pharmaceutical Science</i> , 0, , . | 1.0 | 0 |
| 72 | Optimization of ultrasound-assisted extraction and the antioxidant activities of Sidaguri (<i>Sida</i>) Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 62 | 1.0 | 0 |

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| 73 | Phenolics Profiling and Free Radical Scavenging Activity of <i>Annona muricata</i> , <i>Gynura procumbens</i> , and <i>Typhonium flagelliforme</i> Leaves Extract. Indonesian Journal of Chemistry, 2021, 21, 1140. | 0.8 | 0 |
| 74 | Separation of Inorganic Anions and Phenolic Compounds Using Tetraethylene Oxide-Bonded Stationary Phases in Capillary Liquid Chromatography. Indonesian Journal of Chemistry, 2019, 19, 191. | 0.8 | 0 |
| 75 | Productivity of Amino Acid Fish Aggregation at Raft Liftnet in Palabuhanratu Waters, Sukabumi. Jurnal Ilmu Pertanian Indonesia, 2019, 24, 135-143. | 0.3 | 0 |
| 76 | <i>Sida Rhombifolia</i> Linn: Phytochemicals Composition and Biological Activities. International Journal of Pharmaceutical Research (discontinued), 2020, 12, . | 0.1 | 0 |
| 77 | Principal Component Analysis of Antioxidant Activities, Total Phenolic contents, and Total Flavonoid contents of Turmeric (<i>Curcuma longa</i> L.). International Journal of Pharmaceutical Research (discontinued), 2020, 12, . | 0.1 | 0 |
| 78 | Collecting Wood Core Samples from Macassar Ebony (<i>Diospyros celebica</i> Bakh.) for Multi-Purpose Analysis using Pickering Punch. MethodsX, 2022, , 101728. | 1.6 | 0 |