

Muhammad Sahlan

List of Publications by Year in descending order

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times ranked

860
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the potency of Sulawesi propolis compounds as ACE-2 inhibitors through molecular docking for COVID-19 drug discovery preliminary study. <i>Journal of King Saud University - Science</i> , 2021, 33, 101297.	3.5	39
2	Antimicrobial activity of biosurfactant derived from <i>Bacillus subtilis</i> C19. <i>Energy Procedia</i> , 2018, 153, 274-278.	1.8	36
3	Phytochemical Profile and Antioxidant Activity of Propolis Ethanolic Extract from <i>Tetragonula</i> Bee. <i>Pharmacognosy Journal</i> , 2017, 10, 128-135.	0.8	31
4	Propolis Components from Stingless Bees Collected on South Sulawesi, Indonesia, and Their Xanthine Oxidase Inhibitory Activity. <i>Journal of Natural Products</i> , 2019, 82, 205-210.	3.0	30
5	Molecular interaction analysis of Sulawesi propolis compounds with SARS-CoV-2 main protease as preliminary study for COVID-19 drug discovery. <i>Journal of King Saud University - Science</i> , 2021, 33, 101234.	3.5	29
6	Molecular docking and dynamics studies on propolis sulabiroin-A as a potential inhibitor of SARS-CoV-2. <i>Journal of King Saud University - Science</i> , 2022, 34, 101707.	3.5	28
7	Prefoldin, a jellyfish-like molecular chaperone: functional cooperation with a group II chaperonin and beyond. <i>Biophysical Reviews</i> , 2018, 10, 339-345.	3.2	25
8	Progress of fermentation methods for bio-succinic acid production using agro-industrial waste by <i>Actinobacillus succinogenes</i> . <i>Energy Reports</i> , 2020, 6, 234-239.	5.1	25
9	Sequential Action of ATP-dependent Subunit Conformational Change and Interaction between Helical Protrusions in the Closure of the Built-in Lid of Group II Chaperonins. <i>Journal of Biological Chemistry</i> , 2008, 283, 34773-34784.	3.4	24
10	Effect of chitosan's amino group in adsorption-crosslinking immobilization of lipase enzyme on resin to catalyze biodiesel synthesis. <i>Energy Procedia</i> , 2017, 136, 47-52.	1.8	23
11	Propolis Exerts an Anti-Inflammatory Effect on PMA-Differentiated THP-1 Cells via Inhibition of Purine Nucleoside Phosphorylase. <i>Metabolites</i> , 2019, 9, 75.	2.9	19
12	Nano-sized tetralanthanoid-copper complex ions containing oximate bridges. <i>Synthetic Metals</i> , 2005, 154, 217-220.	3.9	18
13	Anti-inflammatory activity of <i>Tetragonula</i> species from Indonesia. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 1531-1538.	3.8	17
14	Thermodynamic Characterization of the Interaction between Prefoldin and Group II Chaperonin. <i>Journal of Molecular Biology</i> , 2010, 399, 628-636.	4.2	16
15	Preliminary studies: the potential anti-angiogenic activities of two Sulawesi Island (Indonesia) propolis and their chemical characterization. <i>Heliyon</i> , 2019, 5, e01978.	3.2	16
16	Solid state fermentation method for production of laccase enzyme with bagasse, cornstalk and rice husk as substrates for adrenaline biosensor. <i>Energy Reports</i> , 2020, 6, 336-340.	5.1	15
17	The Effects of stingless bee (<i>Tetragonula biroii</i>) honey on streptozotocin-induced diabetes mellitus in rats. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2025-2030.	3.8	15
18	Effect of Additional Amino Group to Improve the Performance of Immobilized Lipase From <i>Aspergillus niger</i> by Adsorption-Crosslinking Method. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	15

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19	Encapsulation Process of Propolis Extract by Casein Micelle Improves Sunscreen Activity. Makara Journal of Technology, 2017, 21, 1.	0.3	13
20	Total phenolic content and antioxidant activity of spray-dried microcapsules propolis from Tetragonula species. AIP Conference Proceedings, 2019, , .	0.4	12
21	The cytotoxic and anti-inflammatory potential of Tetragonula sapiens propolis from Sulawesi on raw 264.7 cell lines. Journal of King Saud University - Science, 2021, 33, 101314.	3.5	12
22	Reduction of the acidity and peroxide numbers of tengkawang butter (Shorea stenoptera) using thermal and acid activated bentonites. Heliyon, 2020, 6, e05742.	3.2	12
23	Identification and classification of honey's authenticity by attenuated total reflectance Fourier-transform infrared spectroscopy and chemometric method. Veterinary World, 2019, 12, 1304-1310.	1.7	12
24	Production of Dry Extract Lipase from Pseudomonas Aeruginosa by the Submerged Fermentation Method in Palm Oil Mill Effluent. International Journal of Technology, 2018, 9, 325.	0.8	12
25	Potential hepatoprotective effects of flavonoids contained in propolis from South Sulawesi against chemotherapy agents. Saudi Journal of Biological Sciences, 2021, 28, 5461-5468.	3.8	11
26	Solid State Fermentation using Agroindustrial Wastes to Produce Aspergillus Niger Lipase as a Biocatalyst Immobilized by an Adsorption-crosslinking Method for Biodiesel Synthesis. International Journal of Technology, 2016, 7, 1392.	0.8	11
27	The beneficial effect of Indonesian propolis wax from Tetragonula sp. as a therapy in limited vaginal candidiasis patients. Saudi Journal of Biological Sciences, 2020, 27, 142-146.	3.8	10
28	MICROENCAPSULATION OPTIMIZATION OF PROPOLIS ETHANOLIC EXTRACT FROM TETRAGONULA SPP USING RESPONSE SURFACE METHODOLOGY. International Journal of Applied Pharmaceutics, 0, , 197-206.	0.3	10
29	Contribution of the C-Terminal Region of a Group II Chaperonin to its Interaction with Prefoldin and Substrate Transfer. Journal of Molecular Biology, 2016, 428, 2405-2417.	4.2	9
30	Bacteriocin-like inhibitory substance (BLIS) activity of Streptococcus macedonicus MBF10-2 and its synergistic action in combination with antibiotics. Asian Pacific Journal of Tropical Medicine, 2017, 10, 1140-1145.	0.8	9
31	Selection of propolis Tetragonula sp. extract solvent with flavonoids and polyphenols concentration and antioxidant activity parameters. AIP Conference Proceedings, 2018, , .	0.4	9
32	Surface plasmon resonance analysis for detecting non-structural protein 1 of dengue virus in Indonesia. Saudi Journal of Biological Sciences, 2020, 27, 1931-1937.	3.8	9
33	Antimicrobial activities of pomelo (Citrus maxima) seed and pulp ethanolic extract. AIP Conference Proceedings, 2018, , .	0.4	8
34	Selection of discrimination marker from various propolis for mapping and identify anti Candida albicans activity. AIP Conference Proceedings, 2018, , .	0.4	8
35	Effect of ethanolic propolis extract from Tetragonula biroi bees on the growth of human cancer cell lines HeLa and MCF-7. , 2019, , .		8
36	Antiretroviral activity of Pterois volitans (red lionfish) venom in the early development of human immunodeficiency virus/acquired immunodeficiency syndrome antiretroviral alternative source. Veterinary World, 2019, 12, 309-315.	1.7	8

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37	Hyperthermophilic archaeal prefoldin shows refolding activity at low temperature. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 467-470.	2.1	7
38	Isolation of cyanide-degrading bacteria and molecular characterization of its cyanide-degrading nitrilase. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 183-189.	3.1	7
39	Anti-Breast Cancer Activity on MCF-7 Cells of Melittin from Indonesia's Apis cerana: An In Vitro Study. <i>Asian Pacific Journal of Cancer Prevention</i> , 2021, 22, 3913-3920.	1.2	7
40	Michaelis-Menten Parameters Characterization of Commercial Papain Enzyme "Paya". IOP Conference Series: Earth and Environmental Science, 0, 217, 012037.	0.3	6
41	Alpha-glucosidase inhibitory activity of stingless bee honey from <i>Tetragonula biroi</i> and <i>Tetragonula laeviceps</i> . <i>AIP Conference Proceedings</i> , 2019, , .	0.4	6
42	Physical and chemical characterization of dry mud propolis for natural scrub cosmetic. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	6
43	Molecular docking analysis of podophyllotoxin derivatives in Sulawesi propolis as potent inhibitors of protein kinases. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	6
44	Antiviral activity of <i>Acanthaster planci</i> phospholipase A2 against human immunodeficiency virus. <i>Veterinary World</i> , 2018, 11, 824-829.	1.7	6
45	Production of a Biopesticide Based on a Cysteine Protease Enzyme from Latex and Papaya (<i>Carica</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Technology, 2017, 8, 1455.	0.8	6
46	Tooth spray with active ingredients casein phosphopeptide "amorphous calcium phosphate (CPP " Tj ETQq0 0 0 rgBT /Overlock Science and Technology, 2016, 1, 56-60.	0.8	6
47	In-vitro antioxidant, in-vivo anti-inflammatory, and acute toxicity study of Indonesian propolis capsule from <i>Tetragonula sapiens</i> . <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2489-2500.	3.8	6
48	Encapsulation of eugenol from clove oil using casein micelle for solid preparation. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	5
49	Microencapsulation of ethanol extract propolis by maltodextrin and freeze-dried preparation. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	5
50	THE EFFECT OF CASEIN PHOSPHOPEPTIDE-AMORPHOUS CALCIUM PHOSPHATE-PROPOLIS CHEWING GUM ON CALCIUM AND PHOSPHATE ION LEVELS IN CARIES-FREE SUBJECT'S SALIVA AND STREPTOCOCCUS MUTANS BIOFILM FORMATION. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2017, 10, 174.	0.3	4
51	Growth Kinetic of <i>Bacillus subtilis</i> for Pyrene biodegradation. <i>Energy Procedia</i> , 2018, 153, 248-252.	1.8	4
52	Anti oral biofilm mouthwash nanoemulsion containing extract propolis and curcumin. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
53	Indonesian honey protein isolation <i>Apis dorsata dorsata</i> and <i>Tetragonula sp.</i> as antibacterial and antioxidant agent. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
54	Kinetic study of cholesterol oxidation by cholesterol oxidase enzyme as application for cholesterol biosensor. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	4

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55	IN-SILICO dynamic analysis of Sulawesi propolis as anti-endometriosis drug: Interaction study with TNF alpha receptor, NF-kB, estrogen receptor, progesterone receptor and prostaglandin receptor. <i>Annals of Medicine and Surgery</i> , 2021, 67, 102459.	1.1	4
56	Construction and characterization of the hetero-oligomer of the group II chaperonin from the hyperthermophilic archaeon, <i>Thermococcus</i> sp. strain KS-1. <i>Extremophiles</i> , 2009, 13, 437-445.	2.3	3
57	Optimization of Microencapsulation Composition of Menthol, Vanillin, and Benzyl Acetate inside Polyvinyl Alcohol with Coacervation Method for Application in Perfumery. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 214, 012005.	0.6	3
58	Characterization of yeast extract co-product bioethanol from empty palm oil bunch. <i>E3S Web of Conferences</i> , 2018, 67, 03039.	0.5	3
59	Formulation of hard candy contains pure honey as functional food. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
60	Study controlled release, toxicity test, and pesticide test of microcapsule eugenol with casein micelle. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
61	Immobilization of Cholesterol Oxidase from <i>Streptomyces</i> Sp. on Magnetite Silicon Dioxide by Crosslinking Method for Cholesterol Oxidation. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 968-980.	2.9	3
62	Physicochemical and oxidative stability of indigenous traditional tengkawang butter as potential cocoa butter equivalent (CBE). <i>International Journal of Food Properties</i> , 2022, 25, 780-791.	3.0	3
63	Analysis of the interaction mode between hyperthermophilic archaeal group II chaperonin and prefoldin using a platform of chaperonin oligomers of various subunit arrangements. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 1810-1816.	2.3	2
64	Molecular Chaperones in Thermophilic Eubacteria and Archaea. , 2013, , 375-394.		2
65	The effect of propolis honey candy on <i>Streptococcus mutans</i> prevalence in caries and caries-free subjects. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
66	Stability study of honey, black seed oil, and olive oil emulsions with lechitin as the emulsifier. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
67	The effect of propolis honey candy on <i>C. Albicans</i> and clinical isolate biofilms viability (in-vitro). <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
68	Molecular Docking Study of Anti-Inflammatory Biomarkers in Sulawesi Propolis as Potent Inhibitors of Cyclooxygenase-2. , 2019, , .		2
69	The effects of heating process on protein isolation of lionfish (<i>Pterois volitans</i>) spines venom extract to antioxidant activity assay. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
70	Comparison of original honey (<i>Apis</i> sp and <i>Tetragonula</i> sp) and fake honey compounds in Indonesia using gas chromatography-mass spectrometry (GC-MS). <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
71	Purification and characterization of proteins in multifloral honey from kelulut bee (stingless bee). <i>Heliyon</i> , 2019, 5, e02835.	3.2	2
72	The influence of heating process on anticancer activity of <i>Pterois volitans</i> (red lionfish) venom extraction against human cervical carcinoma cell. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2

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73	Microencapsulation of clove oil using spray dry with casein encapsulator and activity test towards <i>Streptococcus mutans</i> . AIP Conference Proceedings, 2019, , .	0.4	2
74	Scale-up production simulation of biscuit fortified with propolis as immunomodulator. AIP Conference Proceedings, 2021, , .	0.4	2
75	Metabolome analysis and chemical profiling of Indonesian royal jellies as the raw material for cosmetic and bio-supplement products. Heliyon, 2021, 7, e06912.	3.2	2
76	The Effects of Nano-Casein Encapsulation and Productions of a Controlled-Release on Eugenol Containing Bio-Pesticide Toxicity. Key Engineering Materials, 0, 874, 115-127.	0.4	2
77	Cultivation Process Optimization Of Recombinant <i>Bacillus Subtilis</i> Harbours Apoptin Gene. Microbiology Indonesia, 2013, 7, 152-158.	0.3	2
78	Isolation and Molecular Weight Characterization of <i>Tetragonula laeviceps</i> Honey Protein. Makara Journal of Technology, 2018, 22, 9.	0.3	2
79	The Roles of Ulama in the process of Post-Conflict Reconciliation in Aceh. Society, 2019, 7, 251-267.	0.3	2
80	Optimization in expression and purification of modified apoptin as selective anti-cancer therapy. AIP Conference Proceedings, 2017, , .	0.4	1
81	Production and characterization of vaginal suppositories with propolis wax as active agent to prevent and treat <i>Fluor albus</i> . AIP Conference Proceedings, 2017, , .	0.4	1
82	Nano-preparation of <i>Andrographis paniculata</i> extract by casein micelle for antidiabetic agent. AIP Conference Proceedings, 2017, , .	0.4	1
83	CLINICALLY STUDY OF TRANSPARENT SOLID SOAP CONTAINING INDONESIAN PROPOLIS WAX IN THREATENED LEUKORRHEA CAUSED BY <i>CANDIDA ALBICANS</i> . International Journal of Pharmacy and Pharmaceutical Sciences, 2017, 9, 275.	0.3	1
84	Release Profile and Inhibition Test of The Nanoparticles <i>A. Paniculata</i> Extract as Inhibitor of α -Glucosidase in The Process of Carbohydrates Breakdown Into Glucose Diabetes Mellitus. IOP Conference Series: Materials Science and Engineering, 2017, 214, 012026.	0.6	1
85	Batch crystallization of rifapentine for inhalable tuberculosis medication. AIP Conference Proceedings, 2018, , .	0.4	1
86	Characterization of cellulase from <i>E. coli</i> BPPTCC-EGRK2. E3S Web of Conferences, 2018, 52, 00024.	0.5	1
87	Scale Up Production Indonesian Liquid Propolis From Raw Propolis and Wild Beehive Using Bubbling Vacuum Evaporator. MATEC Web of Conferences, 2018, 248, 04001.	0.2	1
88	Efficacy of propolis fluoride in inhibiting the formation of <i>Streptococcus mutans</i> , <i>Streptococcus gordonii</i> , and <i>Streptococcus sanguinis</i> biofilm. AIP Conference Proceedings, 2019, , .	0.4	1
89	Evaluation of the potential of Nano Silver Fluoride against <i>Streptococcus mutans</i> and <i>Enterobacter faecalis</i> in various stages of biofilm maturation. , 2019, , .		1
90	Utilization of lionfish (<i>Pterois volitans</i>) venomous spines with effective purification as an alternative antiretroviral HIV/AIDS. AIP Conference Proceedings, 2019, , .	0.4	1

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91	In vitro release study of sambiloto (<i>Andrographis paniculata</i>) extract encapsulated by casein micelle as anti-diabetic herbal drug. AIP Conference Proceedings, 2019, , .	0.4	1
92	STABILITY OF ZOLEDRONATE GEL EMULSION IN VIRGIN COCONUT OIL. International Journal of Applied Pharmaceutics, 0, , 201-206.	0.3	1
93	Analysis for the feasibility of portable biodigester to produce household scale energy. AIP Conference Proceedings, 2020, , .	0.4	1
94	Effectiveness of propolis gel on <i>Mus musculus</i> (Swiss Webster) periodontitis model with ligature silk thread application. AIP Conference Proceedings, 2021, , .	0.4	1
95	THE EXPRESSION AND PURIFICATION OF OCTA-ARGININE APOPTIN AND ITS ABILITY TO KILL CANCER CELLS. International Journal of Pharmacy and Pharmaceutical Sciences, 2016, 8, 102.	0.3	0
96	Formulation of microemulsion propolis fluoride (PF) as varnish topical agent to stop activity of teeth caries. AIP Conference Proceedings, 2017, , .	0.4	0
97	Saponin Isolation as Main Ingredients of Insecticide and Collagen Type I From Crown of Thornâ€“Starfish (<i>Acanthaster planci</i>). IOP Conference Series: Earth and Environmental Science, 2017, 89, 012032.	0.3	0
98	Recent and Perspective of Fuel Quality Control Method in Indonesia. , 2018, , .		0
99	Extraction and characterization of yeast extract bioethanol byproduct from empty palm oil bunch for raw material of cosmetic products. E3S Web of Conferences, 2018, 67, 03040.	0.5	0
100	Propolis Wax Application as Antimicrobial Active Substances of Transparent Soap. , 2018, , .		0
101	Lipase Biocatalyst Immobilization from Solid State Fermentation of Palm Oil Empty Fruit Bunches, Bagasse, and Palm Oil Sludge with Adsorption-Cross Linking Method in Anion Macroporous Resin. Materials Science Forum, 0, 929, 209-217.	0.3	0
102	Purification of recombinant protein apoptin from two cell host <i>Bacillus subtilis</i> 168 and <i>Escherichia coli</i> BI21 Starâ„¢. AIP Conference Proceedings, 2019, , .	0.4	0
103	Apoptin gene optimization in <i>Escherichia coli</i> . AIP Conference Proceedings, 2019, , .	0.4	0
104	The comparison effect of CPP-ACP containing propolis and CPP-ACP without propolis on the number of <i>Streptococcus mutans</i> in white-spot enamel surface. AIP Conference Proceedings, 2019, , .	0.4	0
105	Extraction, antioxidant, and bioactive component assay of lionfish venom <i>Pterois volitans</i> . AIP Conference Proceedings, 2019, , .	0.4	0
106	Explore type and concentration of Indonesian propolis wax in inhibiting <i>Candida albicans</i> : In vitro study anti-candidiasis. AIP Conference Proceedings, 2019, , .	0.4	0
107	Semiâ€“quantitative risk assessment on the impact of port development to wellhead platform. Process Safety Progress, 2020, 39, e12117.	1.0	0
108	Investigation of the optimum condition for biogas production using cow manure and lemongrass as the substrates. AIP Conference Proceedings, 2020, , .	0.4	0

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109	Sensitivity analysis of gas distribution pipeline risk assessment methodology in Indonesia. AIP Conference Proceedings, 2020, , .	0.4	0
110	Scale-up production simulation of tooth gel containing Casein phosphopeptide “ Amorphous calcium phosphate (CPP-ACP) and propolis to inhibit teeth demineralization. , 2020, , .		0
111	Production and composition identification of sea cucumber jelly from <i>Holothuria scabra</i> . AIP Conference Proceedings, 2020, , .	0.4	0
112	Prediction of B20 Storage Tank Precipitate Removal Based on Biodiesel Monoglyceride Content. ChemEngineering, 2022, 6, 7.	2.4	0