

# Charles S Vairappan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1174403/publications.pdf>

Version: 2024-02-01

117  
papers

2,538  
citations

201674

27  
h-index

223800

46  
g-index

117  
all docs

117  
docs citations

117  
times ranked

3018  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal Occurrences of Epiphytic Algae on the Commercially Cultivated Red Alga <i>Kappaphycus Alvarezii</i> (Solieriaceae, Gigartinales, Rhodophyta). <i>Journal of Applied Phycology</i> , 2006, 18, 611-617.	2.8	116
2	Antibacterial halogenated metabolites from the Malaysian <i>Laurencia</i> species. <i>Phytochemistry</i> , 2001, 58, 291-297.	2.9	114
3	Distribution and symptoms of epiphyte infection in major carrageenophyte-producing farms. <i>Journal of Applied Phycology</i> , 2008, 20, 477-483.	2.8	114
4	Potent antibacterial activity of halogenated metabolites from Malaysian red algae, <i>Laurencia majuscula</i> (Rhodomelaceae, Ceramiales). <i>New Biotechnology</i> , 2003, 20, 255-259.	2.7	113
5	Biological Activity of Carbazole Alkaloids and Essential Oil of <i>Murraya koenigii</i> Against Antibiotic Resistant Microbes and Cancer Cell Lines. <i>Molecules</i> , 2011, 16, 9651-9664.	3.8	100
6	Riparian buffers in tropical agriculture: Scientific support, effectiveness and directions for policy. <i>Journal of Applied Ecology</i> , 2019, 56, 85-92.	4.0	100
7	Logging disturbance shifts net primary productivity and its allocation in Bornean tropical forests. <i>Global Change Biology</i> , 2018, 24, 2913-2928.	9.5	98
8	Termites mitigate the effects of drought in tropical rainforest. <i>Science</i> , 2019, 363, 174-177.	12.6	98
9	Halogenated metabolites with antibacterial activity from the Okinawan <i>Laurencia</i> species. <i>Phytochemistry</i> , 2001, 58, 517-523.	2.9	86
10	Nutritional and bioactive properties of three edible species of green algae, genus <i>Caulerpa</i> (Caulerpaceae). <i>Journal of Applied Phycology</i> , 2014, 26, 1019-1027.	2.8	81
11	Potent Antibacterial Activity of Halogenated Compounds against Antibiotic-Resistant Bacteria. <i>Planta Medica</i> , 2004, 70, 1087-1090.	1.3	73
12	Antibacterial activity of halogenated sesquiterpenes from Malaysian <i>Laurencia</i> spp.. <i>Phytochemistry</i> , 2008, 69, 2490-2494.	2.9	64
13	Title is missing!. <i>Hydrobiologia</i> , 2001, 445, 183-191.	2.0	63
14	Specimens as primary data: museums and "open science"™. <i>Trends in Ecology and Evolution</i> , 2015, 30, 237-238.	8.7	61
15	Anticancer activity and mediation of apoptosis in human HL-60 leukaemia cells by edible sea cucumber ( <i>Holothuria edulis</i> ) extract. <i>Food Chemistry</i> , 2013, 139, 326-331.	8.2	57
16	Role of secondary metabolites as defense chemicals against ice-ice disease bacteria in biofouler at carrageenophyte farms. <i>Journal of Applied Phycology</i> , 2010, 22, 305-311.	2.8	55
17	Palm oil mill effluent (POME) cultured marine microalgae as supplementary diet for rotifer culture. <i>Journal of Applied Phycology</i> , 2008, 20, 603-608.	2.8	50
18	Novel Halogenated Metabolites from the Malaysian <i>Laurencia pinnosa</i> 1. <i>Journal of Natural Products</i> , 2001, 64, 597-602.	3.0	48

#	ARTICLE	IF	CITATIONS
19	Global dung webs: high trophic generalism of dung beetles along the latitudinal diversity gradient. <i>Ecology Letters</i> , 2018, 21, 1229-1236.	6.4	46
20	Assessment of anti-inflammatory effect of 5 $\beta$ -hydroxypalisadin B isolated from red seaweed <i>Laurencia snackeyi</i> in zebrafish embryo in vivo model. <i>Environmental Toxicology and Pharmacology</i> , 2014, 37, 110-117.	4.0	45
21	Anti-inflammatory activity of halogenated secondary metabolites of <i>Laurencia snackeyi</i> (Weber-van) Tj ETQq1 1 0.784314 rgBT /Overf 1805-1813.	2.8	37
22	Antibacterial Activities of a New Brominated Diterpene from Borneon <i>Laurencia</i> spp.. <i>Marine Drugs</i> , 2010, 8, 1743-1749.	4.6	36
23	Absolute configurations of brominated sesquiterpenes determined by vibrational circular dichroism. <i>Chirality</i> , 2006, 18, 335-339.	2.6	34
24	Efficacy of Carbazole Alkaloids, Essential Oil and Extract of <i>Murraya koenigii</i> in Enhancing Subcutaneous Wound Healing in Rats. <i>Molecules</i> , 2012, 17, 14449-14463.	3.8	33
25	Absolute configurations of endoperoxides determined by vibrational circular dichroism (VCD). <i>Tetrahedron Letters</i> , 2006, 47, 4389-4392.	1.4	31
26	Bioactive Cembranoids from the Soft Coral Genus <i>Sinularia</i> sp. in Borneo. <i>Marine Drugs</i> , 2018, 16, 99.	4.6	29
27	A New Bromoallene-Producing Chemical Type of the Red Alga <i>Laurencia nangii</i> Masuda. <i>Molecules</i> , 2012, 17, 2119-2125.	3.8	28
28	Dynamics of total surface bacteria and bacterial species counts during desiccation in the Malaysian sea lettuce, <i>Ulva reticulata</i> (Ulvales, Chlorophyta). <i>Phycological Research</i> , 2000, 48, 55-61.	1.6	28
29	Riparian buffers act as microclimatic refugia in oil palm landscapes. <i>Journal of Applied Ecology</i> , 2021, 58, 431-442.	4.0	27
30	New Marine Antifouling Compounds from the Red Alga <i>Laurencia</i> sp.. <i>Marine Drugs</i> , 2017, 15, 267.	4.6	26
31	Antibacterial Activity of Marine Source Extracts Against Multidrug Resistance Organisms. <i>American Journal of Pharmacology and Toxicology</i> , 2010, 5, 95-102.	0.7	25
32	Halogenated metabolites from Japanese <i>Laurencia</i> spp.. <i>Phytochemistry</i> , 2005, 66, 2787-2793.	2.9	24
33	Effect of epiphyte infection on physical and chemical properties of carrageenan produced by <i>Kappaphycus alvarezii</i> Doty (Soliericeae, Gigartinales, Rhodophyta). <i>Journal of Applied Phycology</i> , 2014, 26, 923-931.	2.8	22
34	Columbamides D and E: Chlorinated Fatty Acid Amides from the Marine Cyanobacterium <i>Moorea bouillonii</i> Collected in Malaysia. <i>Organic Letters</i> , 2017, 19, 4231-4234.	4.6	22
35	5 $\beta$ -Hydroxypalisadin B isolated from red alga <i>Laurencia snackeyi</i> attenuates inflammatory response in lipopolysaccharide-stimulated RAW 264.7 macrophages. <i>Algae</i> , 2014, 29, 333-341.	2.3	21
36	Promotion of a green economy with the palm oil industry for biodiversity conservation: A touchstone toward a sustainable bioindustry. <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 414-424.	2.2	18

#	ARTICLE	IF	CITATIONS
37	Non-halogenated new sesquiterpenes from Bornean <i>Laurencia snackeyi</i> . Natural Product Research, 2017, 31, 333-340.	1.8	17
38	Secondary metabolites from rhizome of <i>Curcuma caesia</i> Roxb. (Zingiberaceae). Biochemical Systematics and Ecology, 2013, 48, 107-110.	1.3	16
39	Capgermacrenes A and B, Bioactive Secondary Metabolites from a Bornean Soft Coral, <i>Capnella</i> sp.. Marine Drugs, 2015, 13, 3103-3115.	4.6	16
40	New anti-bacterial halogenated tricyclic sesquiterpenes from Bornean <i>Laurencia majuscula</i> (Harvey) Lucas. Natural Product Research, 2019, 33, 464-471.	1.8	16
41	Bioactivities of Lyngbyabellins from Cyanobacteria of Moorea and Okeania Genera. Molecules, 2020, 25, 3986.	3.8	16
42	Effects of improved post-harvest handling on the chemical constituents and quality of carrageenan in red alga, <i>Kappaphycus alvarezii</i> Doty. Journal of Applied Phycology, 2014, 26, 909-916.	2.8	15
43	Chemical relationship between red algae genus <i>Laurencia</i> and sea hare ( <i>Aplysia dactylomela</i> Rang) in the North Borneo Island. Journal of Applied Phycology, 2014, 26, 1199-1205.	2.8	14
44	Impact of Land-use Change on Vertical Soil Bacterial Communities in Sabah. Microbial Ecology, 2018, 75, 459-467.	2.8	14
45	Biosurfactants from Marine Cyanobacteria Collected in Sabah, Malaysia. Journal of Natural Products, 2020, 83, 1925-1930.	3.0	14
46	A New Norsesquiterpenoid from a Bornean Soft Coral Genus <i>Nephthea</i> . Molecules, 2009, 14, 4591-4596.	3.8	13
47	A New $4\beta$ -Methylated Sterol from a <i>Nephthea</i> sp. (Nephtheidae) Bornean Soft Coral. Molecules, 2009, 14, 3360-3366.	3.8	12
48	A New Cembrane Diterpene from the Bornean Soft Coral <i>Nephthea</i> sp.. Molecules, 2010, 15, 3857-3862.	3.8	12
49	Three new cembranoids from the Bornean soft coral <i>Nephthea</i> sp.. Journal of Asian Natural Products Research, 2016, 18, 415-422.	1.4	12
50	A new bisabolane-type sesquiterpenoid from <i>Curcuma domestica</i> . Biochemical Systematics and Ecology, 2011, 39, 864-867.	1.3	11
51	Structural diversity and geographical distribution of halogenated secondary metabolites in red algae, <i>Laurencia nangii</i> Masuda (Rhodomelaceae, Ceramiales), in the coastal waters of North Borneo Island. Journal of Applied Phycology, 2014, 26, 1189-1198.	2.8	11
52	Essential oil composition, cytotoxic and antibacterial activities of five <i>Etilingera</i> species from Borneo. Natural Product Communications, 2012, 7, 239-42.	0.5	11
53	Capgermacrenes D-G, new sesquiterpenoids from a Bornean soft coral, <i>Capnella imbricata</i> . Natural Product Research, 2017, 31, 742-748.	1.8	10
54	Terpenoids from Marine Soft Coral of the Genus <i>Xenia</i> in 1977 to 2019. Molecules, 2020, 25, 5386.	3.8	10

#	ARTICLE	IF	CITATIONS
55	Cytotoxic Sesterterpenoids from Bornean Sponge <i>Spongia</i> sp.. <i>Records of Natural Products</i> , 2018, 12, 643-647.	1.3	10
56	Two New Lobane Diterpenes from a Bornean Soft Coral <i>Sinularia</i> sp. <i>Natural Product Communications</i> , 2016, 11, 899-900.	0.5	10
57	16-Hydroxycembra-1,3,7,11-tetraene, a new Cembrane Diterpene from Malaysian Soft Coral Genus <i>Sarcophyton</i> . <i>Natural Product Communications</i> , 2016, 11, 1077-1078.	0.5	10
58	Riparian buffers can help mitigate biodiversity declines in oil palm agriculture. <i>Frontiers in Ecology and the Environment</i> , 2022, 20, 459-466.	4.0	9
59	Halogenated chamigranes of red alga <i>Laurencia snackeyi</i> (Weber-van Bosse) Masuda from Sulu-Sulawesi Sea. <i>Biochemical Systematics and Ecology</i> , 2011, 39, 213-215.	1.3	8
60	A new cembrane-type diterpenoid from Bornean liverwort <i>Chandonanthus hirtellus</i> . <i>Journal of Asian Natural Products Research</i> , 2016, 18, 690-696.	1.4	8
61	Halogenated chamigrane sesquiterpenes from Bornean <i>Laurencia majuscula</i> . <i>Journal of Applied Phycology</i> , 2018, 30, 3373-3378.	2.8	8
62	15-deoxy-isoxeniolide-A, new diterpenoid from a bornean soft coral, <i>Xenia</i> sp.. <i>Natural Product Research</i> , 2018, 32, 202-207.	1.8	8
63	New cembrane-type diterpenoids from Bornean soft coral <i>Nephthea</i> sp. with antifungal activity against <i>Lagenidium thermophilum</i> . <i>Natural Product Research</i> , 2019, 33, 3343-3349.	1.8	8
64	C-15 Halogenated Acetogenin with Antibacterial Activity against Food Pathogens. <i>Malaysian Journal of Science</i> , 2009, 28, 263-268.	0.3	8
65	New Laurene-type Sesquiterpene from Bornean <i>Laurencia nangii</i> . <i>Natural Product Communications</i> , 2015, 10, 843-4.	0.5	8
66	Unusually high genetic diversity in the Bornean <i>Limnocytes kuhlii</i> -like fanged frogs (Anura: <i>Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 302 T</i> )	2.7	7
67	Sinulaflexiolide P, A Cembrane-Type Diterpenoid from Bornean Soft Coral <i>Sinularia flexibilis</i> . <i>Chemistry of Natural Compounds</i> , 2019, 55, 285-288.	0.8	7
68	Essential Oil Composition, Cytotoxic and Antibacterial Activities of Five <i>Etilingera</i> Species from Borneo. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	6
69	Aptamine-Related Alkaloid from the Marine Sponge <i>Aaptos aaptos</i> . <i>Natural Product Communications</i> , 2019, 14, 1934578X1986393.	0.5	6
70	Drivers of Bornean Orangutan Distribution across a Multiple-Use Tropical Landscape. <i>Remote Sensing</i> , 2021, 13, 458.	4.0	6
71	Antiparasitic Potential of Chromatographic Fractions of <i>Nephrolepis biserrata</i> and Liquid Chromatography-Quadrupole Time-of-Flight-Mass Spectrometry Analysis. <i>Molecules</i> , 2021, 26, 499.	3.8	6
72	Effect of Preparation and Extraction Parameters of Banana ( <i>Musa balbisiana</i> cv. Saba) Inflorescence on their Antibacterial Activities. <i>Sains Malaysiana</i> , 2015, 44, 1301-1307.	0.5	6

#	ARTICLE	IF	CITATIONS
73	Three new species of <i>Krogia</i> (Ramalinaceae, lichenised Ascomycota) from the Paleotropics. <i>MycKeys</i> , 2018, 40, 69-88.	1.9	6
74	Tropical forest dung beetleâ€mammal dung interaction networks remain similar across an environmental disturbance gradient. <i>Journal of Animal Ecology</i> , 2022, 91, 604-617.	2.8	6
75	New Laurene-type Sesquiterpene from Bornean <i>Laurencia nangii</i> . <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	5
76	Cytotoxic and Antifungal Terpenoids from Bornean Soft Coral, <i>Sinularia flexibilis</i> . <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.5	5
77	Leucoxenols A and B, two new phenolics from Bornean medicinal plant <i>Syzygium leucoxylon</i> . <i>Journal of Asian Natural Products Research</i> , 2019, 21, 435-441.	1.4	5
78	12- <i>Epi</i> -9-deacetoxyxenicin, new cytotoxic diterpenoid from a Bornean soft coral, <i>Xenia</i> sp.. <i>Natural Product Research</i> , 2019, 33, 808-813.	1.8	5
79	Diet-Derived Halogenated Metabolite from the Sea Hare <i>Aplysia parvula</i> . <i>Malaysian Journal of Science</i> , 2009, 28, 269-273.	0.3	5
80	A regional study of the genus <i>Phyllopsora</i> (Ramalinaceae) in Asia and Melanesia. <i>MycKeys</i> , 2019, 53, 23-72.	1.9	5
81	Capgermacrene C, a New Sesquiterpenoid from a Bornean Soft Coral, <i>Capnella</i> sp. <i>Natural Product Communications</i> , 2016, 11, 1065-1066.	0.5	5
82	New Bioactive Secondary Metabolites from Bornean Red Alga, <i>Laurencia similis</i> (Ceramiales). <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	4
83	2-Acetoxyverecynarmin C, a New Briarane COX Inhibitory Diterpenoid from <i>Pennatula aculeata</i> . <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.5	4
84	16-Hydroxycembra-1,3,7,11-tetraene, a new Cembrane Diterpene from Malaysian Soft Coral Genus <i>Sarcophyton</i> . <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	4
85	Two new clerodane-type diterpenoids from Bornean liverwort <i>Gottschelia schizopleura</i> and their cytotoxic activity. <i>Natural Product Research</i> , 2018, 32, 1832-1837.	1.8	4
86	Nangallenes A and B, halogenated nonterpenoid C <sub>15</sub> -acetogenins from the Bornean red alga <i>Laurencia nangii</i> . <i>Journal of Asian Natural Products Research</i> , 2019, 21, 241-247.	1.4	4
87	Two new epimers of C <sub>15</sub> -acetogenin, 4- <i>epi</i> -isolaurallene and 4- <i>epi</i> -itomanallene A as diastereomeric model. <i>Natural Product Research</i> , 2020, 34, 1008-1013.	1.8	4
88	High-resolution chemical profiling and antiparasitic potential of the tropical shrub <i>Dillenia suffruticosa</i> . <i>Fisheries Science</i> , 2020, 86, 851-859.	1.6	4
89	A New Epi-neoverrucosane-type Diterpenoid from the Liverwort <i>Pleurozia subinflata</i> in Borneo. <i>Natural Products and Bioprospecting</i> , 2020, 10, 51-56.	4.3	4
90	Bioactive secondary metabolites from the Bornean soft corals of the genus <i>Nephthea</i> . <i>Malaysian Journal of Science</i> , 2010, 29, 262-268.	0.3	4

#	ARTICLE	IF	CITATIONS
91	New Pimarane-Type Diterpenoid and ent-Eudesmane-Type Sesquiterpenoid from Bornean Liverwort <i>Mastigophora diclados</i> . <i>Records of Natural Products</i> , 2017, 11, 508-513.	1.3	4
92	Twenty-six new species of <i>Hoploscopa</i> (Lepidoptera, Crambidae) from South-East Asia revealed by morphology and DNA barcoding. <i>ZooKeys</i> , 2020, 907, 1-99.	1.1	4
93	Chemotaxonomical Markers in Essential Oil of <i>Murraya Koenigii</i> . <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.5	3
94	A New Guaiane-type Sesquiterpenoid from a Bornean Soft Coral, <i>Xenia stellifera</i> . <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.5	3
95	Paralemnolins V and W, New Nardosinane-Type Sesquiterpenoids from a Bornean Soft Coral, <i>Lemnalia</i> sp.. <i>Chemistry of Natural Compounds</i> , 2018, 54, 903-906.	0.8	3
96	Teanol, a new brominated sesquiterpene from the Thailand <i>Laurencia mariannensis</i> . <i>Biochemical Systematics and Ecology</i> , 2020, 92, 104093.	1.3	3
97	Phillipsins A and B from <i>Zingiber phillipsii</i> Mood & Theilade in Borneo. <i>Records of Natural Products</i> , 2018, 12, 317-322.	1.3	3
98	New Prenylated Bibenzyls from Bornean Liverwort <i>Acrobolbus saccatus</i> . <i>Heterocycles</i> , 2018, 96, 1958.	0.7	3
99	Capgermacrene C, a New Sesquiterpenoid from a Bornean Soft Coral, <i>Capnella</i> sp.. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	2
100	A New Cembrane, from Soft Coral Genus <i>Sarcophyton</i> in Borneo. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.5	2
101	<i>In vitro</i> ; Inhibitory Effects of Two Bornean Medicinal Wild Gingers against Pathogenic <i>Lagenidium thermophilum</i> ; Infected Mud Crab <i>Scylla tranquebarica</i> . <i>Biocontrol Science</i> , 2018, 23, 35-39.	0.8	2
102	Neoriepentaol and nangenyne, halogenated diterpenoid and C15-acetogenin from red alga <i>Laurencia nangii</i> Masuda collected in Borneo. <i>Journal of Applied Phycology</i> , 2018, 30, 3379-3386.	2.8	2
103	A New Bioactive Cembranolide Sarcophytonolide V from Bornean Soft Coral Genus <i>Sarcophyton</i> . <i>Natural Product Communications</i> , 2019, 14, 1934578X1986837.	0.5	2
104	Cytotoxicity and Antibacterial Potential of Halogenated Chamigrenes from Malaysian Red Alga, <i>Laurencia majuscula</i> . <i>Planta Medica International Open</i> , 2019, 6, e36-e40.	0.5	2
105	Two cytotoxic squalene-derived polyethers from the Japanese red alga <i>Chondria armata</i> . <i>Natural Product Research</i> , 2020, 35, 1-6.	1.8	2
106	Camera-trapping assessment of terrestrial mammals and birds in rehabilitated forest in INIKEA Project Area, Sabah, Malaysian Borneo. <i>Landscape and Ecological Engineering</i> , 2021, 17, 135-146.	1.5	2
107	Probiotic Fortified Seaweed Silage as Feed Supplement in Marine Hatcheries. , 2021, , 247-258.		2
108	Chemical Composition and Antioxidant Activities of Catfish Epidermal Mucus. <i>Journal of Advanced Agricultural Technologies</i> , 2017, 4, 73-77.	0.2	2

#	ARTICLE	IF	CITATIONS
109	Distribution and symptoms of epiphyte infection in major carrageenophyte-producing farms. , 2007, , 27-33.		2
110	Manoalide-related Sesterterpene from the Marine Sponge <i>Luffariella variabilis</i> . Natural Product Communications, 2015, 10, 1934578X1501000.	0.5	1
111	Chemical Composition and Antibacterial Activity of Bornean Medicinal Ginger <i>Alpinia aquatica</i> . Natural Product Communications, 2018, 13, 1934578X1801300.	0.5	1
112	Cytotoxic Sesquiterpenoids From Soft Soral <i>Capnella imbricata</i> . Natural Product Communications, 2019, 14, 1934578X1985749.	0.5	1
113	Key Roles of Dipterocarpaceae, Bark Type Diversity and Tree Size in Lowland Rainforests of Northeast Borneo—Using Functional Traits of Lichens to Distinguish Plots of Old Growth and Regenerating Logged Forests. Microorganisms, 2021, 9, 541.	3.6	1
114	Bacterial dynamics associated with algal antibacterial substances during post harvest desiccation process of <i>Sargassum stolonifolium</i> Phang et Yoshida. Indian Journal of Experimental Biology, 2003, 41, 837-45.	0.0	1
115	RANDOM AMPLIFICATION POLYMORPHIC DNA-PCR (RAPD) ANALYSIS OF <i>Vibrio alginolyticus</i> STRAINS ISOLATED FROM GREEN MUSSELS ( <i>Perna viridis</i> ) IN MARUDU BAY, SABAH. Jurnal Teknologi (Sciences and) Tj ETQq0.4 0.784014 rgBT	0.4	0
116	New dataset of foliicolous lichens on leaves of five major species of Dipterocarpaceae in INIKEA forest rehabilitation plot of Borneo. Data in Brief, 2019, 27, 104422.	1.0	0
117	Culture of Actinobacteria, Isolation and Characterization of their Bioactive Compounds. Springer Protocols, 2022, , 347-365.	0.3	0