

Bill J Baker

List of Publications by Year in descending order

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100
papers

3,536
citations

101543

36
h-index

149698

56
g-index

107
all docs

107
docs citations

107
times ranked

2724
citing authors

#	ARTICLE	IF	CITATIONS
1	Who Cares More about Chemical Defenses – the Macroalgal Producer or Its Main Grazer?. <i>Journal of Chemical Ecology</i> , 2022, 48, 416-430.	1.8	2
2	Australindolones, New Aminopyrimidine Substituted Indolone Alkaloids from an Antarctic Tunicate <i>Synoicum</i> sp.. <i>Marine Drugs</i> , 2022, 20, 196.	4.6	5
3	Not Drug-like, but Like Drugs: Cnidaria Natural Products. <i>Marine Drugs</i> , 2022, 20, 42.	4.6	5
4	Tuaimenal A, a Meroterpene from the Irish Deep-Sea Soft Coral <i>Duva florida</i> , Displays Inhibition of the SARS-CoV-2 3CLpro Enzyme. <i>Journal of Natural Products</i> , 2022, 85, 1315-1323.	3.0	6
5	From Antarctica to cancer research: a novel human DNA topoisomerase 1B inhibitor from Antarctic sponge <i>Dendrilla antarctica</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1404-1410.	5.2	5
6	One Antarctic slug to confuse them all: the underestimated diversity of <i>Doris kerguelenensis</i> . <i>Invertebrate Systematics</i> , 2022, 36, 419.	1.3	5
7	Tongalides, Halogenated Butenolides from an Antarctic <i>Delisea</i> sp. Rhodophyte. <i>Journal of Natural Products</i> , 2022, 85, 1886-1891.	3.0	3
8	Specialized antiplasmodial secondary metabolites from <i>Aspergillus niger</i> 58, an endophytic fungus from <i>Terminalia catappa</i> . <i>Journal of Ethnopharmacology</i> , 2021, 269, 113672.	4.1	7
9	Marine Natural Products with Bioactivity Against Neglected Tropical Diseases. <i>Topics in Heterocyclic Chemistry</i> , 2021, , 209-251.	0.2	0
10	Deep-Sea Coral Garden Invertebrates and Their Associated Fungi Are Genetic Resources for Chronic Disease Drug Discovery. <i>Marine Drugs</i> , 2021, 19, 390.	4.6	8
11	Hidden Diversity in an Antarctic Algal Forest: Metabolomic Profiling Linked to Patterns of Genetic Diversification in the Antarctic Red Alga <i>Plocamium</i> sp.. <i>Marine Drugs</i> , 2021, 19, 607.	4.6	10
12	Discovery of an Antarctic Ascidian-Associated Uncultivated <i>Verrucomicrobia</i> with Antimelanoma Palmerolide Biosynthetic Potential. <i>MSphere</i> , 2021, 6, e0075921.	2.9	7
13	Bioinformatic and Mechanistic Analysis of the Palmerolide PKS-NRPS Biosynthetic Pathway From the Microbiome of an Antarctic Ascidian. <i>Frontiers in Chemistry</i> , 2021, 9, 802574.	3.6	7
14	Introduction to the Symposium: New Frontiers in Antarctic Marine Biology. <i>Integrative and Comparative Biology</i> , 2020, 60, 1355-1357.	2.0	1
15	Marine Terpenoids from Polar Latitudes and Their Potential Applications in Biotechnology. <i>Marine Drugs</i> , 2020, 18, 401.	4.6	20
16	Every Rule Has an Exception: a Cheater in the Community-Wide Mutualism in Antarctic Seaweed Forests. <i>Integrative and Comparative Biology</i> , 2020, 60, 1358-1368.	2.0	10
17	Uncovering the Core Microbiome and Distribution of Palmerolide in <i>Synoicum adareanum</i> Across the Anvers Island Archipelago, Antarctica. <i>Marine Drugs</i> , 2020, 18, 298.	4.6	12
18	Bioactivity of Spongian Diterpenoid Scaffolds from the Antarctic Sponge <i>Dendrilla antarctica</i> . <i>Marine Drugs</i> , 2020, 18, 327.	4.6	15

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19	Spongian Diterpenoids Derived from the Antarctic Sponge <i>Dendrilla antarctica</i> Are Potent Inhibitors of the <i>Leishmania</i> Parasite. <i>Journal of Natural Products</i> , 2020, 83, 1553-1562.	3.0	22
20	Chemical Mediation of Antarctic Macroalga-Grazer Interactions. , 2020, , 339-363.		4
21	Draft Genome Sequence of <i>Verrucosipora</i> sp. Strain CWR15, Isolated from a Gulf of Mexico Sponge. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	2
22	Frionaramide, a Highly Modified Linear Hexapeptide from an Antarctic Sponge, Inhibits <i>Plasmodium falciparum</i> Liver-Stage Development. <i>Journal of Natural Products</i> , 2019, 82, 2354-2358.	3.0	11
23	Chromatographic editing enhances natural product discovery. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 176, 112831.	2.8	2
24	Bathypylones: Terpenoids from an Antarctic Sea Pen, <i>Anthoptilum grandiflorum</i> (Verrill, 1879). <i>Marine Drugs</i> , 2019, 17, 513.	4.6	9
25	Anverenes –E, New Polyhalogenated Monoterpenes from the Antarctic Red Alga <i>Plocamium cartilagineum</i> . <i>Marine Drugs</i> , 2019, 17, 230.	4.6	16
26	Impacts of gastropods on epiphytic microalgae on the brown macroalga <i>Himantothallus grandifolius</i> . <i>Antarctic Science</i> , 2019, 31, 89-97.	0.9	11
27	Keikipukalides, Furanocembrane Diterpenes from the Antarctic Deep Sea Octocoral <i>Plumarella delicatissima</i> . <i>Journal of Natural Products</i> , 2018, 81, 117-123.	3.0	17
28	Exploitation of Mangrove Endophytic Fungi for Infectious Disease Drug Discovery. <i>Marine Drugs</i> , 2018, 16, 376.	4.6	21
29	Conditioned media and organic elicitors underpin the production of potent antiplasmodial metabolites by endophytic fungi from Cameroonian medicinal plants. <i>Parasitology Research</i> , 2018, 117, 2473-2485.	1.6	17
30	Cold-water marine natural products, 2006 to 2016. <i>Natural Product Reports</i> , 2017, 34, 585-626.	10.3	80
31	Gut content, fatty acid, and stable isotope analyses reveal dietary sources of macroalgal-associated amphipods along the western Antarctic Peninsula. <i>Polar Biology</i> , 2017, 40, 1371-1384.	1.2	22
32	Elucidating a chemical defense mechanism of Antarctic sponges: A computational study. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 71, 104-115.	2.4	30
33	Darwinolide, a New Diterpene Scaffold That Inhibits Methicillin-Resistant <i>Staphylococcus aureus</i> Biofilm from the Antarctic Sponge <i>Dendrilla membranosa</i> . <i>Organic Letters</i> , 2016, 18, 2596-2599.	4.6	47
34	Miniaturized Cultivation of Microbiota for Antimalarial Drug Discovery. <i>Medicinal Research Reviews</i> , 2016, 36, 144-168.	10.5	6
35	Screening Marine Microbial Libraries. , 2015, , 105-134.		1
36	Identification of Communal Oviposition Pheromones from the Black Fly <i>Simulium vittatum</i> . <i>PLoS ONE</i> , 2015, 10, e0118904.	2.5	6

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37	Synthesis, Stereochemical Analysis, and Derivatization of Myricanol Provide New Probes That Promote Autophagic Tau Clearance. <i>ACS Chemical Biology</i> , 2015, 10, 1099-1109.	3.4	18
38	Impacts of acute elevated seawater temperature on the feeding preferences of an Antarctic amphipod toward chemically deterrent macroalgae. <i>Marine Biology</i> , 2015, 162, 425-433.	1.5	39
39	Inhibition of Bacterial Quorum Sensing and Biofilm Formation by Extracts of Neotropical Rainforest Plants. <i>Planta Medica</i> , 2014, 80, 343-350.	1.3	28
40	Chemical mediation of mutualistic interactions between macroalgae and mesograzers structure unique coastal communities along the western Antarctic Peninsula. <i>Journal of Phycology</i> , 2014, 50, 1-10.	2.3	77
41	Reactive oxygen species and the Antarctic macroalgal wound response. <i>Journal of Phycology</i> , 2014, 50, 71-80.	2.3	41
42	Shagenes A and B, New Tricyclic Sesquiterpenes Produced by an Undescribed Antarctic Octocoral. <i>Organic Letters</i> , 2014, 16, 2630-2633.	4.6	55
43	Reactive oxygen species as a marine grazing defense: H ₂ O ₂ and wounded <i>Ascoseira mirabilis</i> both inhibit feeding by an amphipod grazer. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 458, 34-38.	1.5	20
44	A potent antimalarial trichothecene from hyphomycete species. <i>Tetrahedron Letters</i> , 2014, 55, 3989-3991.	1.4	7
45	Site-Specific Variability in the Chemical Diversity of the Antarctic Red Alga <i>Plocamium cartilagineum</i> . <i>Marine Drugs</i> , 2013, 11, 2126-2139.	4.6	49
46	Screening Mangrove Endophytic Fungi for Antimalarial Natural Products. <i>Marine Drugs</i> , 2013, 11, 5036-5050.	4.6	58
47	A Species Flock Driven by Predation? Secondary Metabolites Support Diversification of Slugs in Antarctica. <i>PLoS ONE</i> , 2013, 8, e80277.	2.5	76
48	Phototactic responses of <i>Elachista antarctica</i> (Phaeophyceae) spores of different ages across a broad irradiance range using new motion analysis software. <i>Botanica Marina</i> , 2012, 55, .	1.2	0
49	Palatability of living and dead detached Antarctic macroalgae to consumers. <i>Antarctic Science</i> , 2012, 24, 589-590.	0.9	15
50	Effects of Macroalgal Chemical Extracts on Spore Behavior of the Antarctic Epiphyte <i>Elachista antarctica</i> Phaeophyceae. <i>Journal of Phycology</i> , 2012, 48, 1403-1410.	2.3	7
51	Algicidal activity and potential antifouling defenses in macroalgae from the western Antarctic Peninsula including probable synergistic effects of multiple compounds. <i>Botanica Marina</i> , 2012, 55, 311-315.	1.2	4
52	Palmadorin chemodiversity from the Antarctic nudibranch <i>Austrodoris kerguelenensis</i> and inhibition of Jak2/STAT5-dependent HEL leukemia cells. <i>Tetrahedron</i> , 2012, 68, 9095-9104.	1.9	46
53	Epigenetic Tailoring for the Production of Anti-Infective Cytosporones from the Marine Fungus <i>Leucostoma persoonii</i> . <i>Marine Drugs</i> , 2012, 10, 762-774.	4.6	89
54	Amphipods exclude filamentous algae from the Western Antarctic Peninsula benthos: experimental evidence. <i>Polar Biology</i> , 2012, 35, 171-177.	1.2	17

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55	Gut contents and stable isotope analyses of the Antarctic fish, <i>Notothenia coriiceps</i> (Richardson), from two macroalgal communities. <i>Antarctic Science</i> , 2011, 23, 107-116.	0.9	14
56	IMPACTS OF MESOGRAZERS ON EPIPHYTE AND ENDOPHYTE GROWTH ASSOCIATED WITH CHEMICALLY DEFENDED MACROALGAE FROM THE WESTERN ANTARCTIC PENINSULA: A MESOCOSM EXPERIMENT ¹ . <i>Journal of Phycology</i> , 2011, 47, 36-41.	2.3	27
57	Palatability of the Antarctic rhodophyte <i>Palmaria decipiens</i> (Reinsch) RW Ricker and its endo/epiphyte <i>Elachista antarctica</i> Skottsborg to sympatric amphipods. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 396, 202-206.	1.5	40
58	Palmerolide macrolides from the Antarctic tunicate <i>Synoicum adareanum</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6608-6614.	3.0	48
59	CNS and antimalarial activity of synthetic meridianin and psammopemmin analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 5756-5762.	3.0	31
60	Accumulation of vanadium, manganese, and nickel in Antarctic tunicates. <i>Polar Biology</i> , 2011, 34, 587-590.	1.2	8
61	Changes in amphipod densities among macroalgal habitats in day versus night collections along the Western Antarctic Peninsula. <i>Marine Biology</i> , 2011, 158, 1879-1885.	1.5	25
62	A comprehensive evaluation of the potential chemical defenses of antarctic ascidians against sympatric fouling microorganisms. <i>Marine Biology</i> , 2011, 158, 2661-2671.	1.5	17
63	A new carnivorous shallow-water sponge from McMurdo Sound, Antarctica (Porifera.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4</i>	1.0	17
64	Potential chemical defenses of Antarctic sponges against sympatric microorganisms. <i>Polar Biology</i> , 2010, 33, 649-658.	1.2	23
65	Synthesis of Pteroenone and Its Stereoisomers, a Defensive Metabolite of the Abducted Antarctic Pteropod <i>Clione antarctica</i> . <i>Helvetica Chimica Acta</i> , 2010, 93, 1933-1944.	1.6	5
66	Synthesis of the C ₃ â€“ ¹⁴ fragment of palmerolide A using a chiral pool based strategy. <i>Tetrahedron</i> , 2010, 66, 1557-1562.	1.9	19
67	Chemically mediated resistance to mesoherbivory in finely branched macroalgae along the western Antarctic Peninsula. <i>European Journal of Phycology</i> , 2010, 45, 19-26.	2.0	61
68	Palmadorins Aâˆ“C, Diterpene Glycerides from the Antarctic Nudibranch <i>Austrodoris kerguelensis</i> . <i>Journal of Natural Products</i> , 2010, 73, 416-421.	3.0	21
69	Overview of the Chemical Ecology of Benthic Marine Invertebrates along the Western Antarctic Peninsula. <i>Integrative and Comparative Biology</i> , 2010, 50, 967-980.	2.0	72
70	An evaluation of sponge-associated amphipods from the Antarctic Peninsula. <i>Antarctic Science</i> , 2009, 21, 579-589.	0.9	52
71	Norselic Acids Aâˆ“E, Highly Oxidized Anti-infective Steroids that Deter Mesograzer Predation, from the Antarctic Sponge <i>Crella</i> sp.. <i>Journal of Natural Products</i> , 2009, 72, 1842-1846.	3.0	54
72	Filamentous algal endophytes in macrophytic Antarctic algae: prevalence in hosts and palatability to mesoherbivores. <i>Phycologia</i> , 2009, 48, 324-334.	1.4	51

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73	Defenses of polar macroalgae against herbivores and biofoulers. <i>Botanica Marina</i> , 2009, 52, 535-545.	1.2	64
74	Field studies on deterrent properties of phlorotannins in Antarctic brown algae. <i>Botanica Marina</i> , 2009, 52, 547-557.	1.2	34
75	A laboratory study of behavioral interactions of the Antarctic keystone sea star <i>Odontaster validus</i> with three sympatric predatory sea stars. <i>Marine Biology</i> , 2008, 154, 1077-1084.	1.5	35
76	Characterization of the Microbial Community and Polyketide Biosynthetic Potential in the Palmerolide-Producing Tunicate <i>Sycoicum adareanum</i> . <i>Journal of Natural Products</i> , 2008, 71, 1812-1818.	3.0	52
77	Ecdysteroids from the Antarctic Tunicate <i>Sycoicum adareanum</i> . <i>Journal of Natural Products</i> , 2007, 70, 1859-1864.	3.0	66
78	Cold-water marine natural products. <i>Natural Product Reports</i> , 2007, 24, 774.	10.3	145
79	On the stereochemistry of palmerolide A. <i>Tetrahedron Letters</i> , 2007, 48, 8009-8010.	1.4	34
80	Patterns of gammaridean amphipod abundance and species composition associated with dominant subtidal macroalgae from the western Antarctic Peninsula. <i>Polar Biology</i> , 2007, 30, 1417-1430.	1.2	94
81	Palmerolide A, a Cytotoxic Macrolide from the Antarctic Tunicate <i>Sycoicum adareanum</i> . <i>Journal of the American Chemical Society</i> , 2006, 128, 5630-5631.	13.7	162
82	LACK OF DEFENSE OR PHLOROTANNIN INDUCTION BY UV RADIATION OR MESOGRAZERS IN <i>DESMARESTIA ANCEPS</i> AND <i>D. MENZIESII</i> (PHAEOPHYCEAE) 1. <i>Journal of Phycology</i> , 2006, 42, 1174-1183.	2.3	58
83	The biochemical composition, energy content, and chemical antifeedant defenses of the common Antarctic Peninsular sea stars <i>Granaster nutrix</i> and <i>Neosmilaster georgianus</i> . <i>Polar Biology</i> , 2006, 29, 615-623.	1.2	7
84	Feeding rates of common Antarctic gammarid amphipods on ecologically important sympatric macroalgae. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 329, 55-65.	1.5	90
85	Within-thallus variation in chemical and physical defences in two species of ecologically dominant brown macroalgae from the Antarctic Peninsula. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 322, 1-12.	1.5	60
86	Variation in phlorotannin content within two species of brown macroalgae (<i>Desmarestia anceps</i> and <i>D. menziesii</i>). <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 322, 1-12.	1.2	61
87	Potential chemical defenses against diatom fouling in Antarctic macroalgae. <i>Botanica Marina</i> , 2005, 48, .	1.2	32
88	Ecology of Antarctic Marine Sponges: An Overview. <i>Integrative and Comparative Biology</i> , 2005, 45, 359-368.	2.0	173
89	Further Membranolide Diterpenes from the Antarctic Sponge <i>Dendrilla membranosa</i> . <i>Journal of Natural Products</i> , 2004, 67, 1172-1174.	3.0	43
90	Chemical Investigation of Predator-Deterred Macroalgae from the Antarctic Peninsula. <i>Journal of Natural Products</i> , 2004, 67, 1295-1302.	3.0	84

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91	Surface sequestration of chemical feeding deterrents in the Antarctic sponge <i>Latrunculia apicalis</i> as an optimal defense against sea star spongivory. <i>Marine Biology</i> , 2003, 143, 443-449.	1.5	91
92	Ainigmaptilones, Sesquiterpenes from the Antarctic Gorgonian Coral <i>Ainigmaptilon antarcticus</i> . <i>Journal of Natural Products</i> , 2003, 66, 888-890.	3.0	55
93	Chemical defences in embryos and juveniles of two common Antarctic sea stars and an isopod. <i>Antarctic Science</i> , 2003, 15, 339-344.	0.9	14
94	Chemo-tactile predator avoidance responses of the common Antarctic limpet <i>Nacella concinna</i> . <i>Polar Biology</i> , 2002, 25, 469-473.	1.2	27
95	Introduction to the Symposium: Antarctic Marine Biology. <i>American Zoologist</i> , 2001, 41, 1-2.	0.7	6
96	Isolation, Structure Elucidation, and Biological Activity of the Steroid Oligoglycosides and Polyhydroxysteroids from the Antarctic Starfish <i>Acodontaster conspicuus</i> . <i>Journal of Natural Products</i> , 1997, 60, 959-966.	3.0	52
97	Metabolites from an Antarctic Sponge-Associated Bacterium, <i>Pseudomonas aeruginosa</i> . <i>Journal of Natural Products</i> , 1996, 59, 293-296.	3.0	237
98	Chemical and Ecological Studies of the Antarctic Sponge <i>Dendrilla membranosa</i> . <i>Journal of Natural Products</i> , 1995, 58, 1459-1462.	3.0	40
99	Isolation and Identification of a Stilbene Derivative from the Antarctic Sponge <i>Kirkpatrickia variolosa</i> . <i>Journal of Natural Products</i> , 1995, 58, 1958-1960.	3.0	25
100	Gastropod assemblages associated with <i>Himantothallus grandifolius</i> , <i>Sarcopeltis antarctica</i> and other subtidal macroalgae. <i>Antarctic Science</i> , 0, , 1-10.	0.9	7