The measurement and penetration of ultraviolet radiati

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Citation Report

#	Article	IF	CITATIONS
1	Photochemical activity in waters of the Great Barrier Reef. Estuarine, Coastal and Shelf Science, 1991, 33, 605-622.	2.1	27
2	Phototaxis, gravitaxis and vertical migrations in the marine dinoflagellate Prorocentrum micans. FEMS Microbiology Ecology, 1991, 8, 319-326.	2.7	1
3	Phototaxis, gravitaxis and vertical migrations in the marine dinoflagellateProrocentrum micans. FEMS Microbiology Letters, 1991, 85, 319-326.	1.8	34
4	Recovery of the coral Montastrea annularis in the Florida Keys after the 1987 Caribbean ?bleaching event?. Coral Reefs, 1993, 12, 57-64.	2.2	166
5	Coral reef bleaching: ecological perspectives. Coral Reefs, 1993, 12, 1-17.	2.2	852
6	A study of mucus from the solitary coral Fungia fungites (Scleractinia: Fungiidae) in relation to photobiological UV adaptation. Marine Biology, 1993, 115, 263-266.	1.5	34
7	Effects of ambient levels of solar ultraviolet radiation on zooxanthellae and photosynthesis of the reef coral Montipora verrucosa. Marine Biology, 1993, 116, 319-327.	1.5	55
8	Differential effects of ultraviolet radiation on green and brown morphs of the Caribbean coral Porites astreoides. Limnology and Oceanography, 1993, 38, 1452-1463.	3.1	127
9	Two new UV-absorbing mycosporine-like amino acids from the sea anemoneAnthopleura elegantissima and the effects of zooxanthellae and spectral irradiance on chemical composition and content. Marine Biology, 1994, 118, 149-156.	1.5	94
10	INHIBITION OF GROWTH OF ULVA EXPANSA (CHLOROPHYTA) BY ULTRAVIOLET-B RADIATION1. Journal of Phycology, 1994, 30, 783-790.	2.3	56
11	Variation in UVB sensitivity of planula larvae of the coral Agaricia agaricites along a depth gradient. Marine Biology, 1995, 123, 693-703.	1.5	115
12	Depth-dependent responses to solar ultraviolet radiation and oxidative stress in the zooxanthellate coral Acropora microphthalma. Marine Biology, 1995, 122, 41-51.	1.5	182
13	Effects of ultraviolet (UV) radiation on marine microalgal-invertebrate symbioses. I. Response of the algal symbionts in culture an in hospite. Journal of Experimental Marine Biology and Ecology, 1995, 194, 213-232.	1.5	47
14	Elevated sea-water temperature and solar UV-B flux associated with two successive coral mass bleaching events in Tahiti. Marine and Freshwater Research, 1995, 46, 1153.	1.3	29
15	Small-molecule antioxidants in marine organisms: Antioxidant activity of mycosporine-glycine. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1995, 112, 105-114.	1.6	327
16	Dietary accumulation of UV-absorbing mycosporine-like amino acids (MAAs) by the green sea urchin (Strongylocentrotus droebachiensis). Marine Biology, 1996, 124, 561-569.	1.5	112
17	Effects of ultraviolet radiation on corals and other coral reef organisms. Global Change Biology, 1996, 2, 527-545.	9.5	219
18	Elevated temperatures and ultraviolet radiation cause oxidative stress and inhibit photosynthesis in ymbiotic dinoflagellates. Limnology and Oceanography, 1996, 41, 271-283.	3.1	511

#	Article	IF	Citations
19	The Effects of Ultraviolet Radiation on the Biology of Amphibians. American Zoologist, 1997, 37, 137-145.	0.7	78
20	The changing irradiance environment: consequences for marine macrophyte physiology, productivity and ecology. European Journal of Phycology, 1997, 32, 207-232.	2.0	343
21	The Penetration of UV into Natural Waters. Photochemistry and Photobiology, 1997, 65, 254-257.	2.5	53
22	Title is missing!. Plant Ecology, 1997, 128, 43-51.	1.6	30
23	Widespread occurrence of mycosporine-like amino acid compounds in scleractinians from French Polynesia. Coral Reefs, 1997, 16, 169-176.	2.2	22
24	Mycosporines: are they nature's sunscreens?. Natural Product Reports, 1998, 15, 159.	10.3	309
25	Solar ultraviolet-B radiation effects on growth and pigment composition of the intertidal alga Ulva expansa (Setch.) S. & G. (Chlorophyta). Journal of Experimental Marine Biology and Ecology, 1998, 225, 39-51.	1.5	56
26	The influence of UV radiation on number and ultrastructure of the endosymbiotic dinoflagellates in the sea anemoneCereus pedunculatus (Anthozoa: Actiniaria). Helgolâ^šÂ§nder Meeresuntersuchungen, 1998, 51, 487-502.	0.2	2
27	A survey of the distribution of UVâ€absorbing substances in tropical macroalgae. Phycological Research, 1998, 46, 271-279.	1.6	86
28	REVIEW-ULTRAVIOLET RADIATION-ABSORBING MYCOSPORINE-LIKE AMINO ACIDS IN CORAL REEF ORGANISMS: A BIOCHEMICAL AND ENVIRONMENTAL PERSPECTIVE. Journal of Phycology, 1998, 34, 418-430.	2.3	320
29	An Inventory of UV-Absorbing Mycosporine-Like Amino Acids in Macroalgae from Polar to Warm-Temperate Regions. Botanica Marina, $1998,41,.$	1.2	170
30	Attenuation of Solar Ultraviolet Radiation in Eutrophic Freshwater Lakes and Ponds Japanese Journal of Limnology, 1998, 59, 27-37.	0.1	19
31	Attenuation of Biologically Effective UV Radiation in Tropical Atlantic Waters Measured with a Biochemical DNA Dosimeter. Photochemistry and Photobiology, 1999, 69, 34-40.	2.5	67
32	Spectral Sensitivity of the Hawaiian Saddle Wrasse, Thalassoma duperrey, and Implications for Visually Mediated Behaviour on Coral Reefs. Environmental Biology of Fishes, 1999, 56, 429-442.	1.0	31
33	Susceptibility of estuarine crab larvae to ultraviolet radiation. Journal of Experimental Marine Biology and Ecology, 1999, 237, 107-125.	1.5	19
34	Molecular models of benzene and selected polycyclic aromatic hydrocarbons in the aqueous and adsorbed states. Environmental Toxicology and Chemistry, 1999, 18, 1656-1662.	4.3	16
35	A one-dimensional model of dissolved organic carbon cycling in the water column incorporating combined biological-photochemical decomposition. Global Biogeochemical Cycles, 1999, 13, 337-349.	4.9	80
36	Contrasting effects of solar radiation on dissolved organic matter and its bioavailability to marine bacterioplankton. Limnology and Oceanography, 1999, 44, 1645-1654.	3.1	169

#	ARTICLE	IF	CITATIONS
37	Postlarval chromatophores as an adaptation to ultraviolet radiation. Journal of Experimental Marine Biology and Ecology, 2000, 249, 235-248.	1.5	26
38	Living in the intertidal zone â€" seasonal effects on heterosides and sun-screen compounds in the red alga Bangia atropurpurea (Bangiales). Journal of Experimental Marine Biology and Ecology, 2000, 254, 221-234.	1.5	51
39	Ultraviolet sunscreen compounds in epiphytic red algae from mangroves. Hydrobiologia, 2000, 432, 159-171.	2.0	42
40	Impact of UV Radiation on Bacterioplankton Community Composition. Applied and Environmental Microbiology, 2001, 67, 665-672.	3.1	81
41	The Responses of a Natural Bacterioplankton Community to Different Levels of Ultraviolet-B Radiation: A Food Web Perspective. Microbial Ecology, 2001, 41, 56-68.	2.8	26
42	Temperate and tropical algal-sea anemone symbioses. Invertebrate Biology, 2001, 120, 104-123.	0.9	124
43	The impact of ultraviolet radiation on the vertical distribution of zooplankton of the genus Daphnia. Nature, 2001, 412, 69-72.	27.8	211
44	Ultraviolet Sunscreens in Dinoflagellates. Protist, 2001, 152, 93-101.	1.5	24
45	Estimation of Biologically Damaging UV Levels in Marine Surface Waters with DNA and Viral Dosimeters¶. Photochemistry and Photobiology, 2002, 76, 268.	2.5	35
46	Influence of photochemistry on the marine biogeochemical cycle of dimethylsulphide in the northern North Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 3039-3052.	1.4	61
47	Diel Patterns of UVBR-Induced DNA Damage in Picoplankton Size Fractions from the Gulf of Aqaba, Red Sea. Microbial Ecology, 2002, 44, 164-174.	2.8	43
48	The effect of light and heterotrophy on carotenoid concentrations in the Caribbean anemone Aiptasia pallida (Verrill). Marine Biology, 2003, 143, 629-637.	1.5	19
49	The Coevolution of Blue-Light Photoreception and Circadian Rhythms. Journal of Molecular Evolution, 2003, 57, S286-S289.	1.8	100
50	Ultraviolet-Light-Absorbing Tunic Cells in Didemnid Ascidians Hosting a Symbiotic Photo-oxygenic Prokaryote,Prochloron. Biological Bulletin, 2003, 204, 109-113.	1.8	29
51	A submersible radiometer for measuring solar UV irradiance over a wide dynamic range. , 2003, , .		0
52	The effects of ultraviolet-B radiation on freshwater ecosystems of the Arctic: Influence from stratospheric ozone depletion and climate change. Environmental Reviews, 2004, 12, 1-70.	4.5	34
54	Microbial Diversity and Global Environmental Issues. , 0, , 225-242.		0
55	EFFECTS OF UV-B RADIATION ON THE D1 PROTEIN REPAIR CYCLE OF NATURAL PHYTOPLANKTON COMMUNITIES FROM THREE LATITUDES (CANADA, BRAZIL, AND ARGENTINA)1. Journal of Phycology, 2005, 41, 273-286.	2.3	67

#	ARTICLE	IF	CITATIONS
56	Genetic and color morph differentiation in the Caribbean sea anemone Condylactis gigantea. Marine Biology, 2005, 147, 747-754.	1.5	24
57	Zooplankton behavioral responses to solar UV radiation vary within and among lakes. Journal of Plankton Research, 2005, 27, 461-471.	1.8	65
58	Penetration of Ultraviolet Radiation in the Marine Environment. A Review. Photochemistry and Photobiology, 2006, 82, 389.	2.5	302
59	Ultraviolet radiation effects on the behavior and recruitment of larvae from the reef coral Porites astreoides. Marine Biology, 2006, 148, 503-512.	1.5	80
60	The distribution of mycosporine-like amino acids (MAAs) and the phylogenetic identity of symbiotic dinoflagellates in cnidarian hosts from the Mexican Caribbean. Journal of Experimental Marine Biology and Ecology, 2006, 337, 131-146.	1.5	93
61	Photoinduced toxicity of the polycyclic aromatic hydrocarbon, fluoranthene, on the coral, <i>Porites divaricata</i> . Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 1495-1502.	1.7	31
62	Orientation behaviour of Pagrus majorlarvae exposed to UV-B radiation in laboratory conditions. International Journal of Radiation Biology, 2007, 83, 49-52.	1.8	13
63	Optimization of DNA Extraction from a Scleractinian Coral for the Detection of Thymine Dimers by Immunoassay ^{â€} . Photochemistry and Photobiology, 2007, 83, 833-838.	2.5	9
64	Evaluation of a High Exposure Solar UV Dosimeter for Underwater Use. Photochemistry and Photobiology, 2007, 83, 931-937.	2.5	28
65	Development and Intercalibration of Ultraviolet Solar Actinometers. Photochemistry and Photobiology, 2007, 71, 431-440.	2.5	11
66	Estimation of Biologically Damaging UV Levels in Marine Surface Waters with DNA and Viral Dosimeters¶. Photochemistry and Photobiology, 2007, 76, 268-273.	2.5	7
67	Physiological Responses of Acropora cervicornis to Increased Solar Irradianceâ€. Photochemistry and Photobiology, 2007, 83, 839-850.	2.5	25
68	Isolate-specific effects of ultraviolet radiation on photosynthesis, growth and mycosporine-like amino acids in the microbial mat-forming cyanobacterium Microcoleus chthonoplastes. Planta, 2008, 227, 907-916.	3.2	26
69	Field calibrations of a long-term UV dosimeter for aquatic UVB exposures. Journal of Photochemistry and Photobiology B: Biology, 2008, 91, 108-116.	3.8	18
70	Partitioning of underwater direct and diffuse ultraviolet irradiance in a shallow water coral reef. Marine and Freshwater Research, 2009, 60, 1244.	1.3	6
71	UV radiation and phosphorus interact to influence the biochemical composition of phytoplankton. Freshwater Biology, 2009, 54, 1233-1245.	2.4	23
72	Effects of solar ultraviolet radiation on coral reef organisms. Photochemical and Photobiological Sciences, 2009, 8, 1276-1294.	2.9	105
7 3	2-Nitrobenzaldehyde as a chemical actinometer for solution and ice photochemistry. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 209, 186-192.	3.9	138

#	ARTICLE	IF	CITATIONS
74	Influence of ultraviolet radiation on spore liberation in marine macroalgae Ulva fasciata (Ulvales,) Tj ETQq0 0 0 r 58, 293-297.	rgBT /Overl 1.6	lock 10 Tf 50 7 0
7 5	Effect of ultraviolet radiation on growth and percent settlement of larvalLytechinus variegatus (Echinodermata: Echinoidea). Invertebrate Reproduction and Development, 2011, 55, 152-161.	0.8	5
76	The influence of sunlight on the localized corrosion of UNS S31600 in natural seawater. Biofouling, 2011, 27, 837-849.	2.2	13
77	A solid-phase chemical actinometer film for measurement of solar UV penetration into snowpack. Cold Regions Science and Technology, 2011, 66, 75-83.	3.5	10
78	Coral larvae: From gametes to recruits. Journal of Experimental Marine Biology and Ecology, 2011, 408, 42-57.	1.5	95
79	Attenuation coefficients of ultraviolet and photosynthetically active wavelengths in the waters of Heron Reef, Great Barrier Reef, Australia. Marine and Freshwater Research, 2012, 63, 142.	1.3	18
80	Underwater deployment of the polyphenylene oxide dosimeter combined with a neutral density filter to measure long-term solar UVB exposures. Journal of Photochemistry and Photobiology B: Biology, 2012, 112, 31-36.	3.8	5
81	A retrospective survey of the ocular histopathology of the pinniped eye with emphasis on corneal disease. Veterinary Ophthalmology, 2013, 16, 119-129.	1.0	17
82	Seasonal Variations in the Subsurface Ultravioletâ€B on an Inshore Pacific Coral Reef Ecosystem. Photochemistry and Photobiology, 2013, 89, 1234-1243.	2.5	4
84	UV-B radiation and phosphorus limitation interact to affect the growth, pigment content, and photosynthesis of the toxic cyanobacterium Microcystis aeruginosa. Journal of Applied Phycology, 2014, 26, 1669-1674.	2.8	9
85	Spontaneous Biomimetic Formation of (±)â€Dictazoleâ€B under Irradiation with Artificial Sunlight. Angewandte Chemie - International Edition, 2014, 53, 6419-6424.	13.8	32
86	Effects of depth and ultraviolet radiation on coral reef turf algae. Journal of Experimental Marine Biology and Ecology, 2014, 461, 73-84.	1.5	13
87	Photoâ€enhanced toxicity of fluoranthene to Gulf of Mexico marine organisms at different larval ages and ultraviolet light intensities. Environmental Toxicology and Chemistry, 2016, 35, 1113-1122.	4.3	23
88	Symbiosis-specific changes in dimethylsulphoniopropionate concentrations in Stylophora pistillata along a depth gradient. Coral Reefs, 2016, 35, 1383-1392.	2.2	7
89	Effects of Global Change, Including UV and UV Screening Compounds., 2016,, 373-409.		6
90	Transparent exopolymer particles: Effects on carbon cycling in the ocean. Progress in Oceanography, 2017, 151, 13-37.	3.2	171
91	Bacterial Community Composition in the Sea Surface Microlayer Off the Peruvian Coast. Frontiers in Microbiology, 2018, 9, 2699.	3.5	22
92	Environmental controls on pigment distributions in the freshwater microbialites of Fayetteville Green Lake. Organic Geochemistry, 2018, 125, 165-176.	1.8	4

#	Article	IF	CITATIONS
93	Fluoro-electrochemical microscopy reveals group specific differential susceptibility of phytoplankton towards oxidative damage. Chemical Science, 2019, 10, 7988-7993.	7.4	11
94	Natamycin photostability in acidified green tea beverage is dependent on mycosporine-like amino acids and epigallocatechin gallate interaction. LWT - Food Science and Technology, 2019, 116, 108572.	5.2	3
95	Photoprotective benefits of pigmentation in the transparent plankton community: a comparative species experimental test. Ecology, 2019, 100, e02680.	3.2	7
96	Short communication: Mycosporine-like amino acids protect natamycin against photodegradation in milk exposed to fluorescent or light-emitting diode light. Journal of Dairy Science, 2019, 102, 4972-4977.	3.4	1
97	Somatic Mutations and Genome Stability Maintenance in Clonal Coral Colonies. Molecular Biology and Evolution, 2020, 37, 828-838.	8.9	16
98	Potential of cyanobacterial secondary metabolites as biomarkers for paleoclimate reconstruction. Catena, 2020, 185, 104283.	5.0	2
99	Field and mesocosm methods to test biodegradable plastic film under marine conditions. PLoS ONE, 2020, 15, e0236579.	2.5	30
100	Sea surface phytoplankton community response to nutrient and light changes. Marine Biology, 2020, 167, 1.	1.5	4
101	UV-B radiation was the Devonian-Carboniferous boundary terrestrial extinction kill mechanism. Science Advances, 2020, 6, eaba0768.	10.3	60
102	UV-B radiation bearings on ephemeral soma in the shallow water tunicate Botryllus schlosseri. Ecotoxicology and Environmental Safety, 2020, 196, 110489.	6.0	8
103	Photo-oxidation of proteins facilitates the preservation of high molecular weight dissolved organic nitrogen in the ocean. Marine Chemistry, 2021, 229, 103907.	2.3	7
104	The mysterious ecosystem at the ocean's surface. PLoS Biology, 2021, 19, e3001046.	5 . 6	20
105	Dynamic Tuning of Viscoelastic Hydrogels with Carbonyl Iron Microparticles Reveals the Rapid Response of Cells to Three-Dimensional Substrate Mechanics. ACS Applied Materials & Diterfaces, 2021, 13, 20947-20959.	8.0	15
106	Scum of the Earth: A Hypothesis for Prebiotic Multi-Compartmentalised Environments. Life, 2021, 11, 976.	2.4	4
107	Ultraviolet Radiation and Coral Communities. , 2001, , 118-149.		16
108	Role of ultraviolet-B radiation on bacterioplankton and the availability of dissolved organic matter. , 1997, , 42-51.		17
110	A survey of the distribution of UV-absorbing substances in tropical macroalgae. Phycological Research, 1998, 46, 271-279.	1.6	29
111	Effects of salinity and ultraviolet radiation on the concentration of mycosporine-like amino acids in various isolates of the benthic cyanobacterium Microcoleus chthonoplastes. Phycological Research, 2002, 50, 129-134.	1.6	20

#	Article	IF	CITATIONS
112	Rapid Recovery of Marine Bacterioplankton Activity after Inhibition by UV Radiation in Coastal Waters. Applied and Environmental Microbiology, 1997, 63, 4026-4031.	3.1	114
113	Development and Intercalibration of Ultraviolet Solar Actinometers. Photochemistry and Photobiology, 2000, 71, 431.	2.5	41
114	Ultraviolet sunscreens in reef fish mucus. Marine Ecology - Progress Series, 2008, 353, 203-211.	1.9	32
115	Effects of ultraviolet (UV) radiation on larval settlement of the reef coral Pocillopora damicornis. Marine Ecology - Progress Series, 2001, 217, 251-261.	1.9	49
116	Water Column Structure and Circulation In The Main channel, Twin Cays, Belize. Atoll Research Bulletin, 2005, 535, 136-156.	0.2	0
117	Instrumentation and Methodology for Ultraviolet Radiation Measurements in Aquatic Environments. , 1997, , 31-44.		2
118	Solar Ultraviolet Radiation., 1999,, 341-376.		3
118	Solar Ultraviolet Radiation., 1999, , 341-376. Assessment of Ammonia as a Biosignature Gas in Exoplanet Atmospheres. Astrobiology, 2022, 22, 171-191.	3.0	15
		3.0	
120	Assessment of Ammonia as a Biosignature Gas in Exoplanet Atmospheres. Astrobiology, 2022, 22, 171-191. Magnetic alignment of injectable hydrogel scaffolds for spinal cord injury repair. Biomaterials		15
120	Assessment of Ammonia as a Biosignature Gas in Exoplanet Atmospheres. Astrobiology, 2022, 22, 171-191. Magnetic alignment of injectable hydrogel scaffolds for spinal cord injury repair. Biomaterials Science, 2022, 10, 2237-2247. Evaluation of UV-B Ameliorating Properties of Indigenous Plants Ashwagandha Withania somnifera (Dunal), Amla Emblica officinalis (Gaertn), and Prickly Chaff Flower Achyranthes aspera (L.)	5.4	15 15
120 121 128	Assessment of Ammonia as a Biosignature Gas in Exoplanet Atmospheres. Astrobiology, 2022, 22, 171-191. Magnetic alignment of injectable hydrogel scaffolds for spinal cord injury repair. Biomaterials Science, 2022, 10, 2237-2247. Evaluation of UV-B Ameliorating Properties of Indigenous Plants Ashwagandha Withania somnifera (Dunal), Amla Emblica officinalis (Gaertn), and Prickly Chaff Flower Achyranthes aspera (L.) Supplemented Diets in Prior UV-B Exposed Catla catla. Frontiers in Marine Science, 2022, 9, .	5.4	15 15 0