

Jose Aguilera

List of Publications by Year in descending order

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76
papers

2,482
citations

236925

25
h-index

206112

48
g-index

79
all docs

79
docs citations

79
times ranked

2336
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant activity of mycosporine-like amino acids isolated from three red macroalgae and one marine lichen. <i>Journal of Applied Phycology</i> , 2009, 21, 161-169.	2.8	232
2	Effects of solar radiation on photoinhibition and pigmentation in the red alga <i>Porphyra leucosticta</i> . <i>Marine Ecology - Progress Series</i> , 1997, 151, 81-90.	1.9	161
3	Effect of light quality on the accumulation of photosynthetic pigments, proteins and mycosporine-like amino acids in the red alga <i>Porphyra leucosticta</i> (Bangiales, Rhodophyta). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2005, 80, 71-78.	3.8	155
4	Seasonal variation in ecophysiological patterns in macroalgae from an Arctic fjord. II. Pigment accumulation and biochemical defence systems against high light stress. <i>Marine Biology</i> , 2002, 140, 1087-1095.	1.5	149
5	Availability of ammonium influences photosynthesis and the accumulation of mycosporine-like amino acids in two <i>Porphyra</i> species (Bangiales, Rhodophyta). <i>Marine Biology</i> , 2005, 146, 645-654.	1.5	119
6	Prevention of the ultraviolet effects on clinical and histopathological changes, as well as the heat shock protein-70 expression in mouse skin by topical application of algal UV-absorbing compounds. <i>Journal of Dermatological Science</i> , 2009, 55, 161-169.	1.9	112
7	Effects of solar radiation on growth, photosynthesis and respiration of marine macroalgae from the Arctic. <i>Marine Ecology - Progress Series</i> , 1999, 191, 109-119.	1.9	106
8	Enzymatic defences against photooxidative stress induced by ultraviolet radiation in Arctic marine macroalgae. <i>Polar Biology</i> , 2002, 25, 432-441.	1.2	105
9	Red and blue light regulation of growth and photosynthetic metabolism in <i>Porphyra umbilicalis</i> (Bangiales, Rhodophyta). <i>European Journal of Phycology</i> , 1995, 30, 11-18.	2.0	95
10	Long-term effects of ultraviolet radiation on growth and photosynthetic performance of polar and cold-temperate macroalgae. <i>Marine Biology</i> , 2002, 140, 1117-1127.	1.5	71
11	Seasonal variation in ecophysiological patterns in macroalgae from an Arctic fjord. I. Sensitivity of photosynthesis to ultraviolet radiation. <i>Marine Biology</i> , 2002, 140, 1097-1106.	1.5	60
12	Rational Design and Synthesis of Efficient Sunscreens To Boost the Solar Protection Factor. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2632-2635.	13.8	58
13	UVA and UVB Photoprotective Capabilities of Topical Formulations Containing Mycosporine-like Amino Acids (MAAs) through Different Biological Effective Protection Factors (BEPFs). <i>Marine Drugs</i> , 2019, 17, 55.	4.6	58
14	The response of nutrient assimilation and biochemical composition of Arctic seaweeds to a nutrient input in summer. <i>Journal of Experimental Botany</i> , 2006, 57, 2661-2671.	4.8	51
15	Effect of ultraviolet radiation on thallus absorption and photosynthetic pigments in the red alga <i>Porphyra umbilicalis</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1999, 48, 75-82.	3.8	46
16	Effects of solar radiation on the photosynthetic activity of the red alga <i>Corallina elongata</i> Ellis et Soland. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 37, 196-202.	3.8	45
17	Excretion of coumarins by the Mediterranean green alga <i>Dasycladus vermicularis</i> in response to environmental stress. <i>Marine Biology</i> , 2001, 139, 633-639.	1.5	45
18	Effects of solar UV radiation on photosynthesis of the marine angiosperm <i>Posidonia oceanica</i> from southern Spain. <i>Marine Ecology - Progress Series</i> , 2002, 230, 59-70.	1.9	42

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19	Tissular localization of coumarins in the green alga <i>Dasycladus vermicularis</i> (Scopoli) Krasser: a photoprotective role?. <i>Journal of Experimental Botany</i> , 2003, 54, 1093-1100.	4.8	40
20	Photosynthetic oxygen production and PAM fluorescence in the brown alga <i>Padina pavonica</i> measured in the field under solar radiation. <i>Marine Biology</i> , 1996, 127, 61-66.	1.5	35
21	New Advances in Protection Against Solar Ultraviolet Radiation in Textiles for Summer Clothing. <i>Photochemistry and Photobiology</i> , 2014, 90, 1199-1206.	2.5	35
22	Effects of Solar Radiation on Photosynthesis and Photoinhibition in Red Macrophytes from an Intertidal System of Southern Spain. <i>Botanica Marina</i> , 1998, 41, .	1.2	30
23	Light quality effect on photosynthesis and efficiency of carbon assimilation in the red alga <i>Porphyra leucosticta</i> . <i>Journal of Plant Physiology</i> , 2000, 157, 86-92.	3.5	30
24	One-Third of Meniscal Tears Are Repairable: An Epidemiological Study Evaluating Meniscal Tear Patterns in Stable and Unstable Knees. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2019, 35, 857-863.	2.7	26
25	Ocean acidification modulates the response of two Arctic kelps to ultraviolet radiation. <i>Journal of Plant Physiology</i> , 2015, 173, 41-50.	3.5	25
26	Series temporales de medida de radiación solar ultravioleta y fotosintética en <i>Májlaga</i> . <i>Actas Dermo-sifiliográficas</i> , 2004, 95, 25-31.	0.4	24
27	Effect of time to sentinel-node biopsy on the prognosis of cutaneous melanoma. <i>European Journal of Cancer</i> , 2015, 51, 1780-1793.	2.8	24
28	Relationship between bio-optical characteristics and photoinhibition of phytoplankton. <i>Aquatic Botany</i> , 1997, 59, 237-251.	1.6	23
29	Determinación de la dosis eritemática mínima y reacciones anómalas a radiación ultravioleta A según fototipo. <i>Actas Dermo-sifiliográficas</i> , 2014, 105, 780-788.	0.4	21
30	Ultrastructure of the vegetative gametophytic cells of <i>Porphyra leucosticta</i> (Rhodophyta) grown in red, blue and green light. <i>Phycological Research</i> , 2002, 50, 251-264.	1.6	21
31	Pulse amplitude modulated fluorescence in the green macrophytes, <i>Codium adherens</i> , <i>Enteromorpha muscoides</i> , <i>Ulva gigantea</i> and <i>Ulva rigida</i> , from the Atlantic coast of Southern Spain. <i>Environmental and Experimental Botany</i> , 1999, 41, 247-255.	4.2	19
32	Changes in photoinduced cutaneous erythema with topical application of a combination of vitamins C and E before and after UV exposure. <i>Journal of Dermatological Science</i> , 2012, 66, 216-220.	1.9	18
33	Human Hair as a Natural Sun Protection Agent: A Quantitative Study. <i>Photochemistry and Photobiology</i> , 2015, 91, 966-970.	2.5	18
34	Urticaria solar. Epidemiología y fenotipos clínicos en una serie española de 224 pacientes. <i>Actas Dermo-sifiliográficas</i> , 2017, 108, 132-139.	0.4	18
35	The potential role of UV and blue light from the sun, artificial lighting, and electronic devices in melanogenesis and oxidative stress. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 228, 112405.	3.8	18
36	Air bubbling results in carbon loss during microalgal cultivation in bicarbonate-enriched media: experimental data and process modeling. <i>Aquacultural Engineering</i> , 2005, 32, 493-508.	3.1	17

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37	Photocontrol of short-term growth in <i>Porphyra leucosticta</i> (Rhodophyta). <i>European Journal of Phycology</i> , 1997, 32, 417-424.	2.0	15
38	Booster Effect of a Natural Extract of <i>Polypodium leucotomos</i> (Fernblock®) That Improves the UV Barrier Function and Immune Protection Capability of Sunscreen Formulations. <i>Frontiers in Medicine</i> , 2021, 8, 684665.	2.6	15
39	Respiratory ETS activity of plankton in the northwestern Alboran Sea: seasonal variability and relationship with hydrological and biological features. <i>Journal of Plankton Research</i> , 2006, 28, 629-641.	1.8	11
40	Rational Design and Synthesis of Efficient Sunscreens To Boost the Solar Protection Factor. <i>Angewandte Chemie</i> , 2017, 129, 2676-2679.	2.0	11
41	Expert Recommendations on the Evaluation of Sunscreen Efficacy and the Beneficial Role of Non-filtering Ingredients. <i>Frontiers in Medicine</i> , 2022, 9, 790207.	2.6	11
42	Treatment of actinic cheilitis with methyl aminolevulinate photodynamic therapy and light fractionation: a prospective study of 10 patients. <i>European Journal of Dermatology</i> , 2015, 25, 623-624.	0.6	10
43	The association between atopic dermatitis and serum 25-hydroxyvitamin D in children: Influence of sun exposure, diet, and atopy features—A cross-sectional study. <i>Pediatric Dermatology</i> , 2020, 37, 294-300.	0.9	10
44	Delayed-onset solar urticaria with generalized wheals caused by <scp>UVB</scp> associated with polymorphic light eruption caused by <scp>UVA</scp>. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2015, 31, 107-110.	1.5	10
45	Potassium drives daily reversible thallus enlargement in the marine red alga <i>Porphyra leucosticta</i> (Rhodophyta). <i>Planta</i> , 2002, 214, 759-766.	3.2	9
46	Estudio de las fotodermatosis idiopáticas y exógenas. Parte I: fisiopatología y aspectos técnicos del estudio fotobiológico. <i>Actas Dermo-sifilográficas</i> , 2014, 105, 112-121.	0.4	9
47	Phototoxic reaction to a combined oral contraceptive (levonorgestrel/ethinylestradiol). <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1381-1383.	2.9	9
48	Influence of subsidiary energy on growth of <i>Dunaliella viridis</i> Teodoresco: the role of extra energy in algal growth. <i>Journal of Applied Phycology</i> , 1994, 6, 323-330.	2.8	8
49	Increase in minimal erythral dose following oral administration of an antioxidant complex based on a mix of carotenoids: Double-blind, placebo-controlled trial. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2017, 33, 284-286.	1.5	7
50	Time required for a standard sunscreen to become effective following application: a <scp>UV</scp> photography study. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2018, 32, e123-e124.	2.4	7
51	Sun exposure risks in athletes who were recipients of solid organ and bone marrow transplants. <i>Journal of the American Academy of Dermatology</i> , 2019, 81, 253-255.	1.2	7
52	Association between seasonal serum folate levels and ultraviolet radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 190, 66-71.	3.8	7
53	Low-level light-assisted photodynamic therapy using a wearable cap-like device for the treatment of actinic keratosis of the scalp. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 25, 136-141.	2.6	7
54	Hábitos y conocimientos sobre fotoprotección y factores de riesgo para quemadura solar en corredores de maratones de montaña. <i>Actas Dermo-sifilográficas</i> , 2021, 112, 159-166.	0.4	7

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55	Effect of turbulence and inorganic carbon supply on growth of <i>Dunaliella viridis</i> Teodoresco. <i>International Journal of Salt Lake Research</i> , 1995, 4, 223-232.	0.1	6
56	Infrared radiation increases skin damage induced by other wavelengths in solar urticaria. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2016, 32, 284-290.	1.5	6
57	Sun Protection Behaviors and Knowledge in Mountain Marathon Runners and Risk Factors for Sunburn. <i>Actas Dermo-sifiliográficas</i> , 2021, 112, 159-166.	0.4	5
58	Seasonal variation in ecophysiological patterns in macroalgae from an Arctic fjord. II. Pigment accumulation and biochemical defence systems against high light stress. <i>Marine Biology</i> , 2002, 141, 603-604.	1.5	4
59	Screening of urocanic acid isomers in human basal and squamous cell carcinoma tumors compared with tumor periphery and healthy skin. <i>Experimental Dermatology</i> , 2008, 17, 806-812.	2.9	4
60	Clinical, histological and immunohistochemical markers of resistance to methyl aminolaevulinate photodynamic therapy in Bowen disease. <i>British Journal of Dermatology</i> , 2018, 178, e138-e140.	1.5	4
61	End-of-Day Light Control of Growth and Pigmentation in the Red Alga <i>Porphyra umbilicalis</i> (L.) Kützting. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1994, 49, 593-600.	1.4	3
62	Study of Idiopathic, Exogenous Photodermatoses, Part II: Photobiologic Testing. <i>Actas Dermo-sifiliográficas</i> , 2014, 105, 233-242.	0.4	3
63	Solar Urticaria: Epidemiology and Clinical Phenotypes in a Spanish Series of 224 Patients. <i>Actas Dermo-sifiliográficas</i> , 2017, 108, 132-139.	0.4	3
64	Recomendaciones sobre exposición solar y fotoprotección del Grupo Español de Fotobiología de la AEDV adecuadas al periodo de desconfinamiento durante la pandemia por SARS-CoV-2. <i>Actas Dermo-sifiliográficas</i> , 2020, 111, 799-801.	0.4	3
65	Survival rate of etanercept for psoriasis in real life: a multicentre observational study. <i>European Journal of Dermatology</i> , 2014, 24, 619-620.	0.6	2
66	Water-Filtered Infrared Radiation Decreases the Generation of Photodermatoses Dependent on Ultraviolet and Visible Radiation. <i>Photochemistry and Photobiology</i> , 2019, 95, 874-878.	2.5	2
67	Effect of Nail Thickness on Visible Radiation Transmittance: Implications for New Photodynamic Therapy Technologies in Onychomycosis. <i>Photochemistry and Photobiology</i> , 2020, 96, 1267-1272.	2.5	2
68	The C-terminal fragment of the heavy chain of the tetanus toxin (HcTeTx) improves motor activity and neuronal morphology in the limbic system of aged mice. <i>Synapse</i> , 2021, 75, e22193.	1.2	2
69	Sunscreens effectiveness are not altered by concomitant use of moisturizing creams: An ultraviolet reflectance photography study. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2022, 38, 250-258.	1.5	2
70	Sun exposure and protection habits in transplant athletes: An international survey. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2022, 38, 365-372.	1.5	2
71	Study of Idiopathic, Exogenous Photodermatoses. Part 1: Pathophysiology and Technical Aspects of Photobiologic Studies. <i>Actas Dermo-sifiliográficas</i> , 2014, 105, 112-121.	0.4	1
72	Photoinduced target-like drug reaction to naproxen. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2016, 32, 323-326.	1.5	1

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73	Recommendations on Sun Exposure and Photoprotection Following Easing of the COVID19 Pandemic Lockdown: Spanish Photobiology Group of the Spanish Academy of Dermatology and Venerology (AEDV). Actas Dermo-sifiliogrÁficas, 2020, 111, 799-801.	0.4	1
74	Analysis and evaluation of the operational characteristics of a new photodynamic therapy device. Photodiagnosis and Photodynamic Therapy, 2022, 37, 102719.	2.6	1
75	Riesgo fotocarcinogÁnico asociado a la fototerapia ultravioleta B de banda estrecha. Actas Dermo-sifiliogrÁficas, 2018, 109, 296.	0.4	0
76	Risk of Skin Cancer Associated With Narrowband UV-B Phototherapy. Actas Dermo-sifiliogrÁficas, 2018, 109, 296.	0.4	0