

Daniel Wangpraseurt

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,318
citations

361413
20
h-index

395702
33
g-index

50
all docs

50
docs citations

50
times ranked

1179
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient light harvesting of mesophotic corals is facilitated by coral optical traits. <i>Functional Ecology</i> , 2022, 36, 406-418.	3.6	15
2	Biomimetic 3D living materials powered by microorganisms. <i>Trends in Biotechnology</i> , 2022, 40, 843-857.	9.3	27
3	Bioprinted Living Coral Microenvironments Mimicking Coral-Algal Symbiosis. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	14
4	Photosynthesis and Bio-Optical Properties of Fluorescent Mesophotic Corals. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	12
5	Cytoklept in the plankton: A host strategy to optimize the bioenergetic machinery of endosymbiotic algae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	27
6	Synthetic algal-bacteria consortia for space-efficient microalgal growth in a simple hydrogel system. <i>Journal of Applied Phycology</i> , 2021, 33, 2805-2815.	2.8	20
7	Bionic 3D printed corals. <i>Nature Communications</i> , 2020, 11, 1748.	12.8	78
8	Effect of temperature and feeding on carbon budgets and O ₂ dynamics in <i>Pocillopora damicornis</i> . <i>Marine Ecology - Progress Series</i> , 2020, 652, 49-62.	1.9	10
9	Measuring light scattering and absorption in corals with Inverse Spectroscopic Optical Coherence Tomography (ISOCT): a new tool for non-invasive monitoring. <i>Scientific Reports</i> , 2019, 9, 14148.	3.3	13
10	Optical Properties of Living Corals Determined With Diffuse Reflectance Spectroscopy. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	7
11	Optical Properties of Corals Distort Variable Chlorophyll Fluorescence Measurements. <i>Plant Physiology</i> , 2019, 179, 1608-1619.	4.8	24
12	Microscale light management and inherent optical properties of intact corals studied with optical coherence tomography. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20180567.	3.4	21
13	Elevated CO ₂ Leads to Enhanced Photosynthesis but Decreased Growth in Early Life Stages of Reef Building Coralline Algae. <i>Frontiers in Marine Science</i> , 2019, 5, .	2.5	20
14	Editorial: Optics and Ecophysiology of Coral Reef Organisms. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	2
15	Correlation of bio-optical properties with photosynthetic pigment and microorganism distribution in microbial mats from Hamelin Pool, Australia. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	18
16	Bio-optical properties and radiative energy budgets in fed and unfed scleractinian corals (<i>Pocillopora</i>)	1.9	10
17	Tools for studying growth patterns and chemical dynamics of aggregated <i>Pseudomonas aeruginosa</i> exposed to different electron acceptors in an alginate bead model. <i>Npj Biofilms and Microbiomes</i> , 2018, 4, 3.	6.4	37
18	Structure-based optics of centric diatom frustules: modulation of the <i>in vivo</i> light field for efficient diatom photosynthesis. <i>New Phytologist</i> , 2018, 219, 122-134.	7.3	41

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19	Niche partitioning of a pathogenic microbiome driven by chemical gradients. <i>Science Advances</i> , 2018, 4, eaau1908.	10.3	40
20	Symbiodinium-Induced Formation of Microbialites: Mechanistic Insights From in Vitro Experiments and the Prospect of Its Occurrence in Nature. <i>Frontiers in Microbiology</i> , 2018, 9, 998.	3.5	9
21	<i>In vivo</i> imaging of coral tissue and skeleton with optical coherence tomography. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20161003.	3.4	48
22	In vivo Microscale Measurements of Light and Photosynthesis during Coral Bleaching: Evidence for the Optical Feedback Loop?. <i>Frontiers in Microbiology</i> , 2017, 8, 59.	3.5	64
23	Flow and Coral Morphology Control Coral Surface pH: Implications for the Effects of Ocean Acidification. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	33
24	Monte Carlo Modeling of Photon Propagation Reveals Highly Scattering Coral Tissue. <i>Frontiers in Plant Science</i> , 2016, 7, 1404.	3.6	42
25	Heat generation and light scattering of green fluorescent protein-like pigments in coral tissue. <i>Scientific Reports</i> , 2016, 6, 26599.	3.3	53
26	Light microenvironment and single-cell gradients of carbon fixation in tissues of symbiont-bearing corals. <i>ISME Journal</i> , 2016, 10, 788-792.	9.8	51
27	Microenvironment and phylogenetic diversity of <i>Prochloron</i> inhabiting the surface of crustose didemnid ascidians. <i>Environmental Microbiology</i> , 2015, 17, 4121-4132.	3.8	5
28	Spectral Effects on Symbiodinium Photobiology Studied with a Programmable Light Engine. <i>PLoS ONE</i> , 2014, 9, e112809.	2.5	24
29	Effective light absorption and absolute electron transport rates in the coral <i>Pocillopora damicornis</i> . <i>Plant Physiology and Biochemistry</i> , 2014, 83, 159-167.	5.8	37
30	Radiative energy budget reveals high photosynthetic efficiency in symbiont-bearing corals. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20130997.	3.4	77
31	Lateral light transfer ensures efficient resource distribution in symbiont-bearing corals. <i>Journal of Experimental Biology</i> , 2014, 217, 489-498.	1.7	88
32	Direct and diffuse light propagation through coral tissue. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
33	The in situ light microenvironment of corals. <i>Limnology and Oceanography</i> , 2014, 59, 917-926.	3.1	70
34	Light Respiratory Processes and Gross Photosynthesis in Two Scleractinian Corals. <i>PLoS ONE</i> , 2014, 9, e110814.	2.5	31
35	Ecology and management of the invasive lionfish <i>Pterois volitans/miles</i> complex (Perciformes: Tj ETQq1 1 0.784314 rgBT /Overlock 10 0.4 15	0.4	15
36	In Situ Oxygen Dynamics in Coral-Algal Interactions. <i>PLoS ONE</i> , 2012, 7, e31192.	2.5	63

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37	Light gradients and optical microniches in coral tissues. <i>Frontiers in Microbiology</i> , 2012, 3, 316.	3.5	147
38	Light-Harvesting in Mesophotic Corals is Powered by a Spatially Efficient Photosymbiotic System between Coral Host and Microalgae. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2