

Zvy Dubinsky

List of Publications by Year in descending order

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77
papers

2,867
citations

218677

26
h-index

182427

51
g-index

78
all docs

78
docs citations

78
times ranked

2877
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth-irradiance relationships in phytoplankton. <i>Limnology and Oceanography</i> , 1985, 30, 311-321.	3.1	385
2	Light-shade adaptation of <i>Stylophora pistillata</i> , a hermatypic coral from the Gulf of Eilat. <i>Nature</i> , 1981, 289, 172-174.	27.8	339
3	PHOTOADAPTATION AND THE "PACKAGE"-EFFECT IN <i>DUNALIELLA TERTIOLECTA</i> (CHLOROPHYCEAE). <i>Journal of Phycology</i> , 1989, 25, 70-78.	2.3	235
4	Flashing light in microalgae biotechnology. <i>Bioresource Technology</i> , 2016, 203, 357-363.	9.6	145
5	Corals as light collectors: an integrating sphere approach. <i>Coral Reefs</i> , 2005, 24, 1-9.	2.2	106
6	Gains and losses of coral skeletal porosity changes with ocean acidification acclimation. <i>Nature Communications</i> , 2015, 6, 7785.	12.8	106
7	Uncoupling primary production from population growth in photosynthesizing organisms in aquatic ecosystems. <i>Aquatic Sciences</i> , 2001, 63, 4-17.	1.5	96
8	Photosynthetic inorganic carbon utilization and growth of <i>Porphyra linearis</i> (Rhodophyta). <i>Journal of Applied Phycology</i> , 1999, 11, 447-453.	2.8	81
9	Biom mineralization control related to population density under ocean acidification. <i>Nature Climate Change</i> , 2014, 4, 593-597.	18.8	68
10	Unconventional high-value products from microalgae: A review. <i>Bioresource Technology</i> , 2021, 329, 124895.	9.6	68
11	Seasonal changes in the spectral composition of downwelling irradiance in Lake Kinneret (Israel). <i>Limnology and Oceanography</i> , 1979, 24, 652-663.	3.1	61
12	PHYSIOLOGICAL AND PHOTOSYNTHETIC CHANGES DURING THE FORMATION OF RED APLANOSPORES IN THE CHLOROPHYTE <i>HAEMATOCOCCUS PLUVIALIS</i> . <i>Journal of Phycology</i> , 1993, 29, 463-469.	2.3	60
13	The spectral and spatial distribution of light pollution in the waters of the northern Gulf of Aqaba (Eilat). <i>Scientific Reports</i> , 2017, 7, 42329.	3.3	55
14	Continuous background light significantly increases flashing-light enhancement of photosynthesis and growth of microalgae. <i>Bioresource Technology</i> , 2015, 187, 144-148.	9.6	52
15	Inferred level of calcification decreases along an increasing temperature gradient in a Mediterranean endemic coral. <i>Limnology and Oceanography</i> , 2009, 54, 930-937.	3.1	49
16	Flashing light enhancement of photosynthesis and growth occurs when photochemistry and photoprotection are balanced in <i>Dunaliella salina</i> . <i>European Journal of Phycology</i> , 2015, 50, 469-480.	2.0	49
17	THE KINETICS OF THE PHOTOACCLIMATION RESPONSE OF <i>NANNOCHLOROPSIS</i> SP. (EUSTIGMATOPHYCEAE): A STUDY OF CHANGES IN ULTRASTRUCTURE AND PSU DENSITY. <i>Journal of Phycology</i> , 1998, 34, 818-824.	2.3	44
18	Molecular characterization and response to salt stress of mRNAs encoding cytosolic Cu/Zn superoxide dismutase and catalase from <i>Bruguiera gymnorhiza</i> . <i>Trees - Structure and Function</i> , 2002, 16, 94-99.	1.9	44

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19	From the light to the darkness: thriving at the light extremes in the oceans. <i>Hydrobiologia</i> , 2010, 639, 153-171.	2.0	43
20	Light utilization by phytoplankton in Lake Kinneret (Israel). <i>Limnology and Oceanography</i> , 1981, 26, 660-670.	3.1	39
21	In situ diel cycles of photosynthesis and calcification in hermatypic corals. <i>Limnology and Oceanography</i> , 2009, 54, 1995-2002.	3.1	38
22	CARBONIC ANHYDRASE ACTIVITY IN THE BLOOM-FORMING DINOFLAGELLATE PERIDINIUM GATUNENSE1. <i>Journal of Phycology</i> , 1995, 31, 906-913.	2.3	35
23	Biom mineralization in Mediterranean Corals: The Role of the Intraskel etal Organic Matrix. <i>Crystal Growth and Design</i> , 2014, 14, 4310-4320.	3.0	30
24	Coral photobiology: new light on old views. <i>Zoology</i> , 2015, 118, 71-78.	1.2	30
25	Title is missing!. <i>Journal of Applied Phycology</i> , 2000, 12, 535-542.	2.8	27
26	Changes in photosynthetic properties measured by oxygen evolution and variable chlorophyll fluorescence in a simulated entrainment experiment with the cyanobacterium <i>Planktothrix rubescens</i> . <i>Aquatic Sciences</i> , 2001, 63, 363-382.	1.5	27
27	LISTENING TO PHYTOPLANKTON: MEASURING BIOMASS AND PHOTOSYNTHESIS BY PHOTOACOUSTICS. <i>Journal of Phycology</i> , 1998, 34, 888-892.	2.3	26
28	Molecular cloning and characterization of genes encoding BURP domain-containing protein in the mangrove, <i>Bruguiera gymnorrhiza</i> . <i>Trees - Structure and Function</i> , 2002, 16, 87-93.	1.9	26
29	Effects of depth and eutrophication on the zooxanthella clades of <i>Stylophora pistillata</i> from the Gulf of Eilat (Red Sea). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2008, 18, 1039-1045.	2.0	26
30	Deep neural network recognition of shallow water corals in the Gulf of Eilat (Aqaba). <i>Scientific Reports</i> , 2020, 10, 12959.	3.3	26
31	Optical habitats of ultraphytoplankton groups in the Gulf of Eilat (Aqaba), Northern Red Sea. <i>International Journal of Remote Sensing</i> , 2012, 33, 2683-2705.	2.9	25
32	Reproductive Efficiency of a Mediterranean Endemic Zooxanthellate Coral Decreases with Increasing Temperature along a Wide Latitudinal Gradient. <i>PLoS ONE</i> , 2014, 9, e91792.	2.5	24
33	Mediterranean versus Red sea corals facing climate change, a transcriptome analysis. <i>Scientific Reports</i> , 2017, 7, 42405.	3.3	24
34	Neural Network Recognition of Marine Benthos and Corals. <i>Diversity</i> , 2020, 12, 29.	1.7	24
35	Effect of photoacclimation on the energy partitioning between cyclic and non-cyclic photophosphorylation. <i>New Phytologist</i> , 1993, 123, 665-672.	7.3	21
36	Dose-response modeling of recreationally important coral-reef attributes: a review and potential application to the economic valuation of damage. <i>Coral Reefs</i> , 2002, 21, 253-259.	2.2	21

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37	Structure and Function of Stony Coral Intraskelatal Polysaccharides. ACS Omega, 2018, 3, 2895-2901.	3.5	19
38	The effect of lead on photosynthesis, as determined by photoacoustics in <i>Synechococcus leopoliensis</i> (Cyanobacteria). Water, Air, and Soil Pollution, 2006, 175, 117-125.	2.4	17
39	Lake Tahoe vs. Lake Kinneret phytoplankton: comparison of long-term taxonomic size structure consistency. Aquatic Sciences, 2008, 70, 195-203.	1.5	15
40	Negative response of photosynthesis to natural and projected high seawater temperatures estimated by pulse amplitude modulation fluorometry in a temperate coral. Frontiers in Physiology, 2015, 6, 317.	2.8	15
41	Optimizing photon dose and frequency to enhance lipid productivity of thermophilic algae for biofuel production. Bioresource Technology, 2018, 260, 374-379.	9.6	15
42	Low and variable pH decreases recruitment efficiency in populations of a temperate coral naturally present at a CO ₂ vent. Limnology and Oceanography, 2019, 64, 1059-1069.	3.1	15
43	The long-term patterns of phytoplankton taxonomic size-structure and their sensitivity to perturbation: A Lake Kinneret case study. Aquatic Sciences, 2006, 68, 490-501.	1.5	14
44	Discriminating between Phytoplankton Taxa by Photoacoustics. Israel Journal of Chemistry, 1998, 38, 257-260.	2.3	13
45	Seychelles Lagoon Provides Corals with a Refuge from Bleaching. Research Letters in Ecology, 2008, 2008, 1-4.	0.6	11
46	Calcifying Response and Recovery Potential of the Brown Alga <i>Padina pavonica</i> under Ocean Acidification. ACS Earth and Space Chemistry, 2017, 1, 316-323.	2.7	11
47	Linking Internal Carbonate Chemistry Regulation and Calcification in Corals Growing at a Mediterranean CO ₂ Vent. Frontiers in Marine Science, 2019, 6, .	2.5	11
48	Reproduction of an azooxanthellate coral is unaffected by ocean acidification. Scientific Reports, 2017, 7, 13049.	3.3	10
49	Acclimation of thermotolerant algae to light and temperature interaction ¹ . Journal of Phycology, 2020, 56, 662-670.	2.3	10
50	Exogenous Abscisic Acid Confers Salinity Tolerance in <i>Chlamydomonas reinhardtii</i> During Its Life Cycle. Journal of Phycology, 2021, 57, 1323-1334.	2.3	10
51	Annual Reproductive Cycle and Unusual Embryogenesis of a Temperate Coral in the Mediterranean Sea. PLoS ONE, 2015, 10, e0141162.	2.5	10
52	Coral micro- and macro-morphological skeletal properties in response to life-long acclimatization at CO ₂ vents in Papua New Guinea. Scientific Reports, 2021, 11, 19927.	3.3	10
53	Balanced Growth in Aquatic Plants: Myth or Reality?_{title}Phytoplankton use the imbalance between carbon assimilation and biomass production to their strategic advantage_{title}. BioScience, 0, , .	4.9	9
54	Photoacoustics: a novel tool for the determination of photosynthetic energy storage efficiency in phytoplankton. Hydrobiologia, 2007, 579, 251-256.	2.0	9

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55	Phytoplankton dynamics in the Gulf of Aqaba (Eilat, Red Sea): A simulation study of mariculture effects. <i>Marine Pollution Bulletin</i> , 2014, 86, 481-493.	5.0	8
56	Ecological relevance of skeletal fatty acid concentration and composition in Mediterranean scleractinian corals. <i>Scientific Reports</i> , 2017, 7, 1929.	3.3	8
57	Some aspects of the ecology of the desert snail <i>Sphincterochila prophetarum</i> in relation to energy and water flow. <i>Oecologia</i> , 1981, 50, 103-108.	2.0	7
58	SINGLE-CELL PIGMENTATION OF PORPHYRA LINEARIS ANALYZED BY FOURIER TRANSFORM MULTI-PIXEL SPECTROSCOPY AND IMAGE ANALYSIS1. <i>Journal of Phycology</i> , 1997, 33, 425-432.	2.3	7
59	First record of the Indo-Pacific seaweed <i>Codium arabicum</i> K&A1/4tz. (Bryopsidales, Chlorophyta) in the Mediterranean Sea. <i>Botanica Marina</i> , 2011, 54, .	1.2	7
60	In Vitro Coral Biomineralization under Relevant Aragonite Supersaturation Conditions. <i>Chemistry - A European Journal</i> , 2019, 25, 10616-10624.	3.3	6
61	Optimizing algal lipid production and its efficient conversion to biodiesel. <i>Biofuels</i> , 2014, 5, 405-413.	2.4	5
62	Growth, population dynamics, and reproductive output model of the non-zooxanthellate temperate solitary coral <i>Caryophyllia inornata</i> (Scleractinia, Caryophylliidae). <i>Limnology and Oceanography</i> , 2017, 62, 1111-1121.	3.1	5
63	Reproductive output of a non-zooxanthellate temperate coral is unaffected by temperature along an extended latitudinal gradient. <i>PLoS ONE</i> , 2017, 12, e0171051.	2.5	5
64	NATURAL ANTIOXIDANT ACTIVITY IN SOME MICROALGAL SPECIES. <i>Israel Journal of Plant Sciences</i> , 1998, 46, 169-176.	0.5	4
65	Sethoxydim-resistant mutants of the thermotolerant microalga <i>Micractinium</i> sp. accumulate significant amounts of triacylglycerol in non-stressful conditions. <i>Journal of Applied Phycology</i> , 2019, 31, 3433-3440.	2.8	4
66	Decreasing pH impairs sexual reproduction in a Mediterranean coral transplanted at a CO ₂ vent. <i>Limnology and Oceanography</i> , 2021, 66, 3990-4000.	3.1	4
67	A COMPARISON OF COMPUTERIZED IMAGE ANALYSIS AND STEREOLOGY AS TOOLS FOR MORPHOLOGICAL STUDY OF ALGAL CELLS. <i>Israel Journal of Plant Sciences</i> , 1998, 46, 177-180.	0.5	3
68	Molecular authentication of <i>Caulerpa</i> (Chlorophyta) species along the eastern (Israeli) Mediterranean shores. <i>Botanica Marina</i> , 2014, 57, .	1.2	3
69	Aragonite-Polylysine: Neuro-Regenerative Scaffolds with Diverse Effects on Astrogliosis. <i>Polymers</i> , 2020, 12, 2850.	4.5	3
70	Photoacoustics: a novel application to the determination of photosynthetic efficiency in zooxanthellate hermatypes. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 374-381.	2.0	2
71	The light from the darkness: Responses of zooxanthellate corals to the underwater light field. <i>Galaxea</i> , 2009, 11, 75-79.	0.7	2
72	Disturbance of Opportunistic Small-Celled Phytoplankton in Lake Kinneret. <i>ISRN Botany</i> , 2012, 2012, 1-7.	0.8	2

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73	Eicosapentaenoic Acid Release from the Red Alga <i>Pachymeniopsis lanceolata</i> by Enzymatic Degradation. <i>Applied Biochemistry and Biotechnology</i> , 1999, 80, 141-150.	2.9	1
74	Consistent annual patterns of water mass occupancy are revealed by taxonomic units of Lake Kinneret phytoplankton. <i>Israel Journal of Plant Sciences</i> , 2008, 56, 91-101.	0.5	1
75	Computerized Optimization of Microalgal Photosynthesis and Growth. <i>Applied Phycology</i> , 2021, 2, 22-30.	1.3	1
76	Foreword by the Guest Editor. <i>Israel Journal of Plant Sciences</i> , 1998, 46, i.	0.5	0
77	Deep Neural Network Analysis for Environmental Study of Coral Reefs in the Gulf of Eilat (Aqaba). <i>Big Data and Cognitive Computing</i> , 2021, 5, 19.	4.7	0