

# Zvy Dubinsky

## List of Publications by Year in descending order

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77  
papers

2,867  
citations

218677

26  
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182427

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78  
docs citations

78  
times ranked

2877  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Neural Network Analysis for Environmental Study of Coral Reefs in the Gulf of Eilat (Aqaba). Big Data and Cognitive Computing, 2021, 5, 19.	4.7	0
2	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
3	Unconventional high-value products from microalgae: A review. Bioresource Technology, 2021, 329, 124895.	9.6	68
4	Decreasing pH impairs sexual reproduction in a Mediterranean coral transplanted at a CO <sub>2</sub> vent. Limnology and Oceanography, 2021, 66, 3990-4000.	3.1	4
5	Computerized Optimization of Microalgal Photosynthesis and Growth. Applied Phycology, 2021, 2, 22-30.	1.3	1
6	Coral micro- and macro-morphological skeletal properties in response to life-long acclimatization at CO <sub>2</sub> vents in Papua New Guinea. Scientific Reports, 2021, 11, 19927.	3.3	10
7	Aragonite-Polylysine: Neuro-Regenerative Scaffolds with Diverse Effects on Astrogliosis. Polymers, 2020, 12, 2850.	4.5	3
8	Deep neural network recognition of shallow water corals in the Gulf of Eilat (Aqaba). Scientific Reports, 2020, 10, 12959.	3.3	26
9	Neural Network Recognition of Marine Benthos and Corals. Diversity, 2020, 12, 29.	1.7	24
10	Acclimation of thermotolerant algae to light and temperature interaction <sup>1</sup> . Journal of Phycology, 2020, 56, 662-670.	2.3	10
11	Sethoxydim-resistant mutants of the thermotolerant microalga <i>Micractinium</i> sp. accumulate significant amounts of triacylglycerol in non-stressful conditions. Journal of Applied Phycology, 2019, 31, 3433-3440.	2.8	4
12	In Vitro Coral Biomineralization under Relevant Aragonite Supersaturation Conditions. Chemistry - A European Journal, 2019, 25, 10616-10624.	3.3	6
13	Low and variable pH decreases recruitment efficiency in populations of a temperate coral naturally present at a CO <sub>2</sub> vent. Limnology and Oceanography, 2019, 64, 1059-1069.	3.1	15
14	Linking Internal Carbonate Chemistry Regulation and Calcification in Corals Growing at a Mediterranean CO <sub>2</sub> Vent. Frontiers in Marine Science, 2019, 6, .	2.5	11
15	Structure and Function of Stony Coral Intraskelatal Polysaccharides. ACS Omega, 2018, 3, 2895-2901.	3.5	19
16	Optimizing photon dose and frequency to enhance lipid productivity of thermophilic algae for biofuel production. Bioresource Technology, 2018, 260, 374-379.	9.6	15
17	Growth, population dynamics, and reproductive output model of the non-zooxanthellate temperate solitary coral <i>Caryophyllia inornata</i> (Scleractinia, Caryophylliidae). Limnology and Oceanography, 2017, 62, 1111-1121.	3.1	5
18	The spectral and spatial distribution of light pollution in the waters of the northern Gulf of Aqaba (Eilat). Scientific Reports, 2017, 7, 42329.	3.3	55

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19	Mediterranean versus Red sea corals facing climate change, a transcriptome analysis. Scientific Reports, 2017, 7, 42405.	3.3	24
20	Reproduction of an azooxanthellate coral is unaffected by ocean acidification. Scientific Reports, 2017, 7, 13049.	3.3	10
21	Ecological relevance of skeletal fatty acid concentration and composition in Mediterranean scleractinian corals. Scientific Reports, 2017, 7, 1929.	3.3	8
22	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
23	Reproductive output of a non-zooxanthellate temperate coral is unaffected by temperature along an extended latitudinal gradient. PLoS ONE, 2017, 12, e0171051.	2.5	5
24	Flashing light in microalgae biotechnology. Bioresource Technology, 2016, 203, 357-363.	9.6	145
25	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
26	Coral photobiology: new light on old views. Zoology, 2015, 118, 71-78.	1.2	30
27	Continuous background light significantly increases flashing-light enhancement of photosynthesis and growth of microalgae. Bioresource Technology, 2015, 187, 144-148.	9.6	52
28	Gains and losses of coral skeletal porosity changes with ocean acidification acclimation. Nature Communications, 2015, 6, 7785.	12.8	106
29	Flashing light enhancement of photosynthesis and growth occurs when photochemistry and photoprotection are balanced in <i>Dunaliella salina</i> . European Journal of Phycology, 2015, 50, 469-480.	2.0	49
30	Annual Reproductive Cycle and Unusual Embryogenesis of a Temperate Coral in the Mediterranean Sea. PLoS ONE, 2015, 10, e0141162.	2.5	10
31	Reproductive Efficiency of a Mediterranean Endemic Zooxanthellate Coral Decreases with Increasing Temperature along a Wide Latitudinal Gradient. PLoS ONE, 2014, 9, e91792.	2.5	24
32	Optimizing algal lipid production and its efficient conversion to biodiesel. Biofuels, 2014, 5, 405-413.	2.4	5
33	Molecular authentication of <i>Caulerpa</i> (Chlorophyta) species along the eastern (Israeli) Mediterranean shores. Botanica Marina, 2014, 57, .	1.2	3
34	Biom mineralization control related to population density under ocean acidification. Nature Climate Change, 2014, 4, 593-597.	18.8	68
35	Biom mineralization in Mediterranean Corals: The Role of the Intraskelletal Organic Matrix. Crystal Growth and Design, 2014, 14, 4310-4320.	3.0	30
36	Phytoplankton dynamics in the Gulf of Aqaba (Eilat, Red Sea): A simulation study of mariculture effects. Marine Pollution Bulletin, 2014, 86, 481-493.	5.0	8

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37	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
38	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
39	Disturbance of Opportunistic Small-Celled Phytoplankton in Lake Kinneret. <i>ISRN Botany</i> , 2012, 2012, 1-7.	0.8	2
40	First record of the Indo-Pacific seaweed <i>Codium arabicum</i> K&Auml;tzt. (Bryopsidales, Chlorophyta) in the Mediterranean Sea. <i>Botanica Marina</i> , 2011, 54, .	1.2	7
41	From the light to the darkness: thriving at the light extremes in the oceans. <i>Hydrobiologia</i> , 2010, 639, 153-171.	2.0	43
42	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
43	In situ diel cycles of photosynthesis and calcification in hermatypic corals. <i>Limnology and Oceanography</i> , 2009, 54, 1995-2002.	3.1	38
44	The light from the darkness: Responses of zooxanthellate corals to the underwater light field. <i>Galaxea</i> , 2009, 11, 75-79.	0.7	2
45	Lake Tahoe vs. Lake Kinneret phytoplankton: comparison of long-term taxonomic size structure consistency. <i>Aquatic Sciences</i> , 2008, 70, 195-203.	1.5	15
46	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
47	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
48	Seychelles Lagoon Provides Corals with a Refuge from Bleaching. <i>Research Letters in Ecology</i> , 2008, 2008, 1-4.	0.6	11
49	Photoacoustics: a novel tool for the determination of photosynthetic energy storage efficiency in phytoplankton. <i>Hydrobiologia</i> , 2007, 579, 251-256.	2.0	9
50	The effect of lead on photosynthesis, as determined by photoacoustics in <i>Synechococcus leopoliensis</i> (Cyanobacteria). <i>Water, Air, and Soil Pollution</i> , 2006, 175, 117-125.	2.4	17
51	The long-term patterns of phytoplankton taxonomic size-structure and their sensitivity to perturbation: A Lake Kinneret case study. <i>Aquatic Sciences</i> , 2006, 68, 490-501.	1.5	14
52	Corals as light collectors: an integrating sphere approach. <i>Coral Reefs</i> , 2005, 24, 1-9.	2.2	106
53	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
54	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

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55	Molecular characterization and response to salt stress of mRNAs encoding cytosolic Cu/Zn superoxide dismutase and catalase from <i>Bruguiera gymnorrhiza</i> . <i>Trees - Structure and Function</i> , 2002, 16, 94-99.	1.9	44
56	Uncoupling primary production from population growth in photosynthesizing organisms in aquatic ecosystems. <i>Aquatic Sciences</i> , 2001, 63, 4-17.	1.5	96
57	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
58	Title is missing!. <i>Journal of Applied Phycology</i> , 2000, 12, 535-542.	2.8	27
59	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
60	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
61	THE KINETICS OF THE PHOTOACCLIMATION RESPONSE OF NANNOCHLOROPSIS SP. (EUSTIGMATOPHYCEAE): A STUDY OF CHANGES IN ULTRASTRUCTURE AND PSU DENSITY. <i>Journal of Phycology</i> , 1998, 34, 818-824.	2.3	44
62	LISTENING TO PHYTOPLANKTON: MEASURING BIOMASS AND PHOTOSYNTHESIS BY PHOTOACOUSTICS. <i>Journal of Phycology</i> , 1998, 34, 888-892.	2.3	26
63	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
64	NATURAL ANTIOXIDANT ACTIVITY IN SOME MICROALGAL SPECIES. <i>Israel Journal of Plant Sciences</i> , 1998, 46, 169-176.	0.5	4
65	Foreword by the Guest Editor. <i>Israel Journal of Plant Sciences</i> , 1998, 46, i.	0.5	0
66	Discriminating between Phytoplankton Taxa by Photoacoustics. <i>Israel Journal of Chemistry</i> , 1998, 38, 257-260.	2.3	13
67	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
68	CARBONIC ANHYDRASE ACTIVITY IN THE BLOOM-FORMING DINOFLAGELLATE PERIDINIUM GATUNENSE1. <i>Journal of Phycology</i> , 1995, 31, 906-913.	2.3	35
69	Effect of photoacclimation on the energy partitioning between cyclic and non-cyclic photophosphorylation. <i>New Phytologist</i> , 1993, 123, 665-672.	7.3	21
70	PHYSIOLOGICAL AND PHOTOSYNTHETIC CHANGES DURING THE FORMATION OF RED APLANOSPORES IN THE CHILOROPHYTE HAEMATOCOCCUS PLUVIALIS1. <i>Journal of Phycology</i> , 1993, 29, 463-469.	2.3	60
71	PHOTOADAPTATION AND THE "PACKAGE" EFFECT IN DUNALIELLA TERTIOLECTA (CHLOROPHYCEAE)1. <i>Journal of Phycology</i> , 1989, 25, 70-78.	2.3	235
72	Growth vs irradiance relationships in phytoplankton1. <i>Limnology and Oceanography</i> , 1985, 30, 311-321.	3.1	385

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73	Light utilization by phytoplankton in Lake Kinneret (Israel). <i>Limnology and Oceanography</i> , 1981, 26, 660-670.	3.1	39
74	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
75	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
76	Seasonal changes in the spectral composition of downwelling irradiance in Lake Kinneret (Israel)1,2. <i>Limnology and Oceanography</i> , 1979, 24, 652-663.	3.1	61
77	Balanced Growth in Aquatic Plants: Myth or Reality?&lt;subtitled>Phytoplankton use the imbalance between carbon assimilation and biomass production to their strategic advantage&lt;/subtitled>. <i>BioScience</i> , 0, , .	4.9	9