

Dan Tchernov

List of Publications by Year in descending order

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86
papers

4,534
citations

172457

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110387

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docs citations

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times ranked

4940
citing authors

#	ARTICLE	IF	CITATIONS
1	A Systematic Review of the Behavioural Changes and Physiological Adjustments of Elasmobranchs and Teleosts to Ocean Acidification with a Focus on Sharks. <i>Fishes</i> , 2022, 7, 56.	1.7	3
2	First Isolation and Characterization of <i>Streptococcus agalactiae</i> From a Stranded Wild Common Dolphin (<i>Delphinus delphis</i>). <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	6
3	Comparative Study between the Photosynthetic Parameters of Two Avocado (<i>Persea americana</i>) Cultivars Reveals Natural Variation in Light Reactions in Response to Frost Stress. <i>Agronomy</i> , 2022, 12, 1129.	3.0	2
4	Classification of Underwater Fish Images and Videos via Very Small Convolutional Neural Networks. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 736.	2.6	11
5	Preliminary insights of a mixed-species shark aggregation: a case study of two carcharhinids from the Mediterranean Sea. <i>Environmental Biology of Fishes</i> , 2022, 105, 623-634.	1.0	4
6	Molecular and skeletal fingerprints of scleractinian coral biomineralization: From the sea surface to mesophotic depths. <i>Acta Biomaterialia</i> , 2021, 120, 263-276.	8.3	27
7	Untangling ITS2 genotypes of algal symbionts in zooxanthellate corals. <i>Molecular Ecology Resources</i> , 2021, 21, 137-152.	4.8	17
8	Tracing the Trophic Plasticity of the Coral-Dinoflagellate Symbiosis Using Amino Acid Compound-Specific Stable Isotope Analysis. <i>Microorganisms</i> , 2021, 9, 182.	3.6	20
9	Repeatable Semantic Reef-Mapping through Photogrammetry and Label-Augmentation. <i>Remote Sensing</i> , 2021, 13, 659.	4.0	22
10	A survey of arsenic, mercury, cadmium, and lead residues in seafood (fish, crustaceans, and mollusks). <i>Journal of Food Safety</i> , 2021, 42, 382-392.	3.1	17
11	The Microbiome Associated with the Reef Builder <i>Neogoniolithon</i> sp. in the Eastern Mediterranean. <i>Microorganisms</i> , 2021, 9, 1374.	3.6	3
12	Physiological and Transcriptomic Variability Indicative of Differences in Key Functions Within a Single Coral Colony. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	10
13	Comparative genetics of scyphozoan species reveals the geological history and contemporary processes of the Mediterranean Sea. <i>Ecology and Evolution</i> , 2021, 11, 10303-10319.	1.9	1
14	The worm affair: fidelity and environmental adaptation in symbiont species that co-occur in vestimentiferan tubeworms. <i>Environmental Microbiology Reports</i> , 2021, 13, 744-752.	2.4	3
15	Cultivating marine macroalgae in CO ₂ -enriched seawater: A bio-economic approach. <i>Aquaculture</i> , 2021, 544, 737042.	3.5	8
16	Metamitron, a Photosynthetic Electron Transport Chain Inhibitor, Modulates the Photoprotective Mechanism of Apple Trees. <i>Plants</i> , 2021, 10, 2803.	3.5	7
17	Acclimation of a rocky shore algal reef builder <i>Neogoniolithon</i> sp. to changing illuminations. <i>Limnology and Oceanography</i> , 2020, 65, 27-36.	3.1	5
18	Energy Sources of the Depth-Generalist Mixotrophic Coral <i>Stylophora pistillata</i> . <i>Frontiers in Marine Science</i> , 2020, 7, 988.	2.5	36

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19	Predicting Impacts of Offshore Monoculture Farm Expansion in Ultra-Oligotrophic Waters of the Levantine Basin. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	4
20	Molecular Identification and Characterization of <i>Vibrio</i> Species and <i>Mycobacterium</i> Species in Wild and Cultured Marine Fish from the Eastern Mediterranean Sea. <i>Microorganisms</i> , 2020, 8, 863.	3.6	13
21	Evolutionary Traits that Enable Scleractinian Corals to Survive Mass Extinction Events. <i>Scientific Reports</i> , 2020, 10, 3903.	3.3	21
22	Photophysiology of a mesophotic coral 3 years after transplantation to a shallow environment. <i>Coral Reefs</i> , 2020, 39, 903-913.	2.2	14
23	Fatal Infection in a Wild Sandbar Shark (<i>Carcharhinus plumbeus</i>), Caused by <i>Streptococcus agalactiae</i> , Type Ia-ST7. <i>Animals</i> , 2020, 10, 284.	2.3	6
24	New evidence of <i>Melithaea erythraea</i> colonization in the Mediterranean. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 236, 106652.	2.1	9
25	Specific pathogens and microbial abundance within liver and kidney tissues of wild marine fish from the Eastern Mediterranean Sea. <i>Microbial Biotechnology</i> , 2020, 13, 770-780.	4.2	22
26	Indigenous versus Lessepsian Hosts: Nervous Necrosis Virus (NNV) in Eastern Mediterranean Sea Fish. <i>Viruses</i> , 2020, 12, 430.	3.3	5
27	Effect of Different Derivatization Protocols on the Calculation of Trophic Position Using Amino Acids Compound-Specific Stable Isotopes. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	6
28	Ocean warming is the key filter for successful colonization of the migrant octocoral <i>Melithaea erythraea</i> (Ehrenberg, 1834) in the Eastern Mediterranean Sea. <i>PeerJ</i> , 2020, 8, e9355.	2.0	1
29	Evidence of the impacts of emerging shark tourism in the Mediterranean. <i>Ocean and Coastal Management</i> , 2019, 178, 104847.	4.4	14
30	Light, Temperature, Photosynthesis, Heterotrophy, and the Lower Depth Limits of Mesophotic Coral Ecosystems. <i>Coral Reefs of the World</i> , 2019, , 801-828.	0.7	78
31	Shark aggregation and tourism: opportunities and challenges of an emerging phenomenon. <i>International Journal of Sustainable Development and World Ecology</i> , 2019, 26, 406-414.	5.9	16
32	An Active Acoustic Track-Before-Detect Approach for Finding Underwater Mobile Targets. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2019, 13, 104-119.	10.8	24
33	Prevalence of nervous necrosis virus (NNV) and <i>Streptococcus</i> species in wild marine fish and crustaceans from the Levantine Basin, Mediterranean Sea. <i>Diseases of Aquatic Organisms</i> , 2019, 133, 7-17.	1.0	19
34	Automated Analysis of Marine Video with Limited Data. , 2018, , .		19
35	Investigation into the CO ₂ concentrating step rates within the carbon concentrating mechanism of <i>Synechocystis</i> sp. PCC6803 at various pH and light intensities reveal novel mechanistic properties. <i>Algal Research</i> , 2018, 33, 419-429.	4.6	10
36	Detection of <i>Toxoplasma gondii</i> in three common bottlenose dolphins (<i>Tursiops truncatus</i>); A first description from the Eastern Mediterranean Sea. <i>Veterinary Parasitology</i> , 2018, 258, 74-78.	1.8	18

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37	Acclimatization of symbiotic corals to mesophotic light environments through wavelength transformation by fluorescent protein pigments. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170320.	2.6	60
38	A Quantitative Management Tool Reflecting Impact of Nutrient Enrichment from Mariculture in the Levantine Basin. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	2
39	Physiological and Biogeochemical Responses of Super-Corals to Thermal Stress from the Northern Gulf of Aqaba, Red Sea. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	57
40	Spatiotemporal hotspots of habitat use by loggerhead (<i>Caretta caretta</i>) and green (<i>Chelonia mydas</i>) sea turtles in the Levant basin as tools for conservation. <i>Marine Ecology - Progress Series</i> , 2017, 575, 165-179.	1.9	13
41	Novel Adaptive Photosynthetic Characteristics of Mesophotic Symbiotic Microalgae within the Reef-Building Coral, <i>Stylophora pistillata</i> . <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	48
42	Soft Robotic Grippers for Biological Sampling on Deep Reefs. <i>Soft Robotics</i> , 2016, 3, 23-33.	8.0	624
43	The regulation of thermal stress induced apoptosis in corals reveals high similarities in gene expression and function to higher animals. <i>Scientific Reports</i> , 2016, 6, 30359.	3.3	42
44	Comparative genomics explains the evolutionary success of reef-forming corals. <i>ELife</i> , 2016, 5, .	6.0	169
45	A novel paleo-bleaching proxy using boron isotopes and high-resolution laser ablation to reconstruct coral bleaching events. <i>Biogeosciences</i> , 2015, 12, 5677-5687.	3.3	17
46	A small fishery with a high impact on sea turtle populations in the eastern Mediterranean. <i>Zoology in the Middle East</i> , 2015, 61, 300-317.	0.6	15
47	Migratory corridors and foraging hotspots: critical habitats identified for Mediterranean green turtles. <i>Diversity and Distributions</i> , 2015, 21, 665-674.	4.1	57
48	Breakdown of coral colonial form under reduced pH conditions is initiated in polyps and mediated through apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2082-2086.	7.1	65
49	On the occurrence and identification of <i>Abudefduf saxatilis</i> (Linnaeus, 1758) in the easternmost Mediterranean Sea. <i>Aquatic Invasions</i> , 2015, 10, 101-105.	1.6	16
50	First Evidence for the Presence of Iron Oxidizing Zetaproteobacteria at the Levantine Continental Margins. <i>PLoS ONE</i> , 2014, 9, e91456.	2.5	35
51	Distribution of the <i>Lamellibrachia</i> spp. (Siboglinidae, Annelida) and their trophosome endosymbiont phylotypes in the Mediterranean Sea. <i>Marine Biology</i> , 2014, 161, 1229-1239.	1.5	7
52	Hydrocarbon-related microbial processes in the deep sediments of the Eastern Mediterranean Levantine Basin. <i>FEMS Microbiology Ecology</i> , 2014, 87, 780-796.	2.7	35
53	Cold seep biogenic carbonate crust in the Levantine basin is inhabited by burrowing <i>Phascolosoma</i> aff. <i>turnerae</i> , a sipunculan worm hosting a distinctive microbiota. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 90, 17-26.	1.4	5
54	The Covert World of Fish Biofluorescence: A Phylogenetically Widespread and Phenotypically Variable Phenomenon. <i>PLoS ONE</i> , 2014, 9, e83259.	2.5	135

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55	Seasonal Mesophotic Coral Bleaching of <i>Stylophora pistillata</i> in the Northern Red Sea. <i>PLoS ONE</i> , 2014, 9, e84968.	2.5	51
56	Isotopic fractionation of carbon in the coccolithophorid <i>Emiliania huxleyi</i> . <i>Marine Ecology - Progress Series</i> , 2014, 508, 53-66.	1.9	7
57	Transcriptome deep-sequencing and clustering of expressed isoforms from <i>Favia</i> corals. <i>BMC Genomics</i> , 2013, 14, 546.	2.8	22
58	Symbiotic transition of algae "coral triggered by paleoclimatic events?. <i>Trends in Ecology and Evolution</i> , 2012, 27, 194-195.	8.7	4
59	Locally accelerated growth is part of the innate immune response and repair mechanisms in reef-building corals as detected by green fluorescent protein (GFP)-like pigments. <i>Coral Reefs</i> , 2012, 31, 1045-1056.	2.2	83
60	Changes in scleractinian coral <i>Seriatopora hystrix</i> morphology and its endocellular Symbiodinium characteristics along a bathymetric gradient from shallow to mesophotic reef. <i>Coral Reefs</i> , 2011, 30, 1089-1100.	2.2	64
61	Apoptosis and the selective survival of host animals following thermal bleaching in zooxanthellate corals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9905-9909.	7.1	173
62	Regulation of Apoptotic Pathways by <i>Stylophora pistillata</i> (Anthozoa, Pocilloporidae) to Survive Thermal Stress and Bleaching. <i>PLoS ONE</i> , 2011, 6, e28665.	2.5	70
63	Photoacclimation mechanisms of corallimorpharians on coral reefs: Photosynthetic parameters of zooxanthellae and host cellular responses to variation in irradiance. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 394, 53-62.	1.5	21
64	Light-Induced Changes within Photosystem II Protects <i>Microcoleus</i> sp. in Biological Desert Sand Crusts against Excess Light. <i>PLoS ONE</i> , 2010, 5, e11000.	2.5	62
65	Extracellular Production and Degradation of Superoxide in the Coral <i>Stylophora pistillata</i> and Cultured Symbiodinium. <i>PLoS ONE</i> , 2010, 5, e12508.	2.5	99
66	Shallow-water wave lensing in coral reefs: a physical and biological case study. <i>Journal of Experimental Biology</i> , 2010, 213, 4304-4312.	1.7	28
67	Flow enhances photosynthesis in marine benthic autotrophs by increasing the efflux of oxygen from the organism to the water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2527-2531.	7.1	180
68	Role of coral-derived chemical cues in microhabitat selection by settling <i>Chromis viridis</i> . <i>Marine Ecology - Progress Series</i> , 2010, 409, 181-187.	1.9	19
69	Novel Internal Regions of Fluorescent Proteins Undergo Divergent Evolutionary Patterns. <i>Molecular Biology and Evolution</i> , 2009, 26, 2841-2848.	8.9	7
70	Changes in morphology and diet of the coral <i>Stylophora pistillata</i> along a depth gradient. <i>Marine Ecology - Progress Series</i> , 2009, 381, 167-174.	1.9	92
71	The kinetic properties of ribulose-1,5-bisphosphate carboxylase/oxygenase may explain the high apparent photosynthetic affinity of <i>Nannochloropsis</i> sp. to ambient inorganic carbon. <i>Israel Journal of Plant Sciences</i> , 2008, 56, 37-44.	0.5	12
72	Mechanisms of habitat segregation between corallimorpharians: photosynthetic parameters and Symbiodinium types. <i>Marine Ecology - Progress Series</i> , 2008, 369, 115-129.	1.9	13

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73	Scleractinian Coral Species Survive and Recover from Decalcification. <i>Science</i> , 2007, 315, 1811-1811.	12.6	264
74	Evolution of fringing reefs: space and time constraints from the Gulf of Aqaba. <i>Coral Reefs</i> , 2005, 24, 165-172.	2.2	20
75	Membrane lipids of symbiotic algae are diagnostic of sensitivity to thermal bleaching in corals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13531-13535.	7.1	543
76	Resolving the biological role of the Rhesus (Rh) proteins of red blood cells with the aid of a green alga. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7497-7498.	7.1	10
77	Massive light-dependent cycling of inorganic carbon between oxygenic photosynthetic microorganisms and their surroundings. <i>Photosynthesis Research</i> , 2003, 77, 95-103.	2.9	66
78	Genes Encoding A-Type Flavoproteins Are Essential for Photoreduction of O ₂ in Cyanobacteria. <i>Current Biology</i> , 2003, 13, 230-235.	3.9	256
79	Inhibition of growth and photosynthesis of the dinoflagellate <i>Peridinium gatunense</i> by <i>Microcystis</i> sp. (cyanobacteria): A novel allelopathic mechanism. <i>Limnology and Oceanography</i> , 2002, 47, 1656-1663.	3.1	169
80	Passive Entry of CO ₂ and Its Energy-dependent Intracellular Conversion to HCO ₃ ⁻ in Cyanobacteria Are Driven by a Photosystem I-generated P ⁷⁰⁰ /4H ⁺ . <i>Journal of Biological Chemistry</i> , 2001, 276, 23450-23455.	3.4	75
81	The inorganic carbon-concentrating mechanism in cyanobacteria: induction and ecological significance. <i>Canadian Journal of Botany</i> , 1998, 76, 917-924.	1.1	8
82	The inorganic carbon-concentrating mechanism in cyanobacteria: induction and ecological significance. <i>Canadian Journal of Botany</i> , 1998, 76, 917-924.	1.1	22
83	Photosynthesizing marine microorganisms can constitute a source of CO ₂ rather than a sink. <i>Canadian Journal of Botany</i> , 1998, 76, 949-953.	1.1	15
84	UPTAKE, EFFLUX, AND PHOTOSYNTHETIC UTILIZATION OF INORGANIC CARBON BY THE MARINE EUSTIGMATOPHYTE NANNOCHLOROPSIS SP.1. <i>Journal of Phycology</i> , 1997, 33, 969-974.	2.3	55
85	Sustained net CO ₂ evolution during photosynthesis by marine microorganism. <i>Current Biology</i> , 1997, 7, 723-728.	3.9	112
86	First record of <i>Aequorea macrodactyla</i> (Cnidaria, Hydrozoa) from the Israeli coast of the eastern Mediterranean Sea, an alien species indicating invasive pathways. <i>NeoBiota</i> , 0, 26, 55-70.	1.0	6