

# Oren Levy

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,997  
citations

236925

25  
h-index

276875

41  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2464  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative genomics explains the evolutionary success of reef-forming corals. <i>ELife</i> , 2016, 5, .	6.0	169
2	Chronobiology by moonlight. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20123088.	2.6	140
3	Experimental assessment of the feeding effort of three scleractinian coral species during a thermal stress: Effect on the rates of photosynthesis. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 390, 118-124.	1.5	125
4	Gains and losses of coral skeletal porosity changes with ocean acidification acclimation. <i>Nature Communications</i> , 2015, 6, 7785.	12.8	106
5	Signaling cascades and the importance of moonlight in coral broadcast mass spawning. <i>ELife</i> , 2015, 4, .	6.0	94
6	Gene expression profiles during short-term heat stress in the red sea coral <i>Stylophora pistillata</i> . <i>Global Change Biology</i> , 2014, 20, 3026-3035.	9.5	81
7	Impact of brine and antiscalants on reef-building corals in the Gulf of Aqaba – Potential effects from desalination plants. <i>Water Research</i> , 2018, 144, 183-191.	11.3	79
8	Biom mineralization control related to population density under ocean acidification. <i>Nature Climate Change</i> , 2014, 4, 593-597.	18.8	68
9	Red Sea corals under Artificial Light Pollution at Night (ALAN) undergo oxidative stress and photosynthetic impairment. <i>Global Change Biology</i> , 2019, 25, 4194-4207.	9.5	58
10	Circadian clocks in symbiotic corals: The duet between Symbiodinium algae and their coral host. <i>Marine Genomics</i> , 2014, 14, 47-57.	1.1	56
11	Circadian Clocks in the Cnidaria: Environmental Entrainment, Molecular Regulation, and Organismal Outputs. <i>Integrative and Comparative Biology</i> , 2013, 53, 118-130.	2.0	50
12	Transcriptome Analysis of the Scleractinian Coral <i>Stylophora pistillata</i> . <i>PLoS ONE</i> , 2014, 9, e88615.	2.5	49
13	12-h clock regulation of genetic information flow by XBP1s. <i>PLoS Biology</i> , 2020, 18, e3000580.	5.6	46
14	A-to-I RNA Editing in the Earliest-Diverging Eumetazoan Phyla. <i>Molecular Biology and Evolution</i> , 2017, 34, 1890-1901.	8.9	45
15	Setting the pace: host rhythmic behaviour and gene expression patterns in the facultatively symbiotic cnidarian <i>Aiptasia</i> are determined largely by Symbiodinium. <i>Microbiome</i> , 2018, 6, 83.	11.1	45
16	Impacts of artificial light at night in marine ecosystems – A review. <i>Global Change Biology</i> , 2022, 28, 5346-5367.	9.5	44
17	Impact of Amorphous SiO <sub>2</sub> Nanoparticles on a Living Organism: Morphological, Behavioral, and Molecular Biology Implications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 37.	4.1	43
18	Gene expression profiles during short-term heat stress; branching vs. massive Scleractinian corals of the Red Sea. <i>PeerJ</i> , 2016, 4, e1814.	2.0	43

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19	Coral Gametogenesis Collapse under Artificial Light Pollution. <i>Current Biology</i> , 2021, 31, 413-419.e3.	3.9	41
20	In situ diel cycles of photosynthesis and calcification in hermatypic corals. <i>Limnology and Oceanography</i> , 2009, 54, 1995-2002.	3.1	38
21	Sustainability of coral reefs are affected by ecological light pollution in the Gulf of Aqaba/Eilat. <i>Communications Biology</i> , 2019, 2, 289.	4.4	38
22	Symbiosis drove cellular evolution. <i>Symbiosis</i> , 2010, 51, 13-25.	2.3	37
23	Profiling molecular and behavioral circadian rhythms in the non-symbiotic sea anemone <i>Nematostella vectensis</i> . <i>Scientific Reports</i> , 2015, 5, 11418.	3.3	36
24	Biom mineralization in Mediterranean Corals: The Role of the Intraskelletal Organic Matrix. <i>Crystal Growth and Design</i> , 2014, 14, 4310-4320.	3.0	30
25	Dissecting common and divergent molecular pathways elicited by CdSe/ZnS quantum dots in freshwater and marine sentinel invertebrates. <i>Nanotoxicology</i> , 2017, 11, 289-303.	3.0	27
26	Artificial light at night (ALAN) alters the physiology and biochemistry of symbiotic reef building corals. <i>Environmental Pollution</i> , 2020, 266, 114987.	7.5	26
27	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
28	Mediterranean versus Red sea corals facing climate change, a transcriptome analysis. <i>Scientific Reports</i> , 2017, 7, 42405.	3.3	24
29	The role of chromatin dynamics under global warming response in the symbiotic coral model <i>Aiptasia</i> . <i>Communications Biology</i> , 2019, 2, 282.	4.4	24
30	Molecular assessment of the effect of light and heterotrophy in the scleractinian coral <i>Stylophora pistillata</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20153025.	2.6	23
31	Coral lipid bodies as the relay center interconnecting diel-dependent lipidomic changes in different cellular compartments. <i>Scientific Reports</i> , 2017, 7, 3244.	3.3	22
32	Identifying genes and regulatory pathways associated with the scleractinian coral calcification process. <i>PeerJ</i> , 2017, 5, e3590.	2.0	17
33	Emerging 3D technologies for future reformation of coral reefs: Enhancing biodiversity using biomimetic structures based on designs by nature. <i>Science of the Total Environment</i> , 2022, 830, 154749.	8.0	17
34	Fast Neurotransmission Related Genes Are Expressed in Non Nervous Endoderm in the Sea Anemone <i>Nematostella vectensis</i> . <i>PLoS ONE</i> , 2014, 9, e93832.	2.5	16
35	Environmental entrainment demonstrates natural circadian rhythmicity in the cnidarian <i>Nematostella vectensis</i> . <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	16
36	Negative response of photosynthesis to natural and projected high seawater temperatures estimated by pulse amplitude modulation fluorometry in a temperate coral. <i>Frontiers in Physiology</i> , 2015, 6, 317.	2.8	15

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37	Urbanization comprehensively impairs biological rhythms in coral holobionts. <i>Global Change Biology</i> , 2022, 28, 3349-3364.	9.5	14
38	Evidence for Rhythmicity Pacemaker in the Calcification Process of Scleractinian Coral. <i>Scientific Reports</i> , 2016, 6, 20191.	3.3	13
39	Survey of Cnidarian Gene Expression Profiles in Response to Environmental Stressors: Summarizing 20 Years of Research, What Are We Heading for?. , 2016, , 523-543.		13
40	Novel tools integrating metabolic and gene function to study the impact of the environment on coral symbiosis. <i>Frontiers in Microbiology</i> , 2014, 5, 448.	3.5	11
41	The Algal Symbiont Modifies the Transcriptome of the Scleractinian Coral <i>Euphyllia paradivisa</i> During Heat Stress. <i>Microorganisms</i> , 2019, 7, 256.	3.6	10
42	Demystifying Circalunar and Diel Rhythmicity in <i>Acropora digitifera</i> under Constant Dim Light. <i>IScience</i> , 2019, 22, 477-488.	4.1	10
43	The Endosymbiotic Coral Algae Symbiodiniaceae Are Sensitive to a Sensory Pollutant: Artificial Light at Night, ALAN. <i>Frontiers in Physiology</i> , 2021, 12, 695083.	2.8	10
44	Annual Reproductive Cycle and Unusual Embryogenesis of a Temperate Coral in the Mediterranean Sea. <i>PLoS ONE</i> , 2015, 10, e0141162.	2.5	10
45	A coral spawning calendar for Sesoko Station, Okinawa, Japan. <i>Galaxea</i> , 2022, 24, 41-49.	0.7	10
46	Chromatin dynamics enable transcriptional rhythms in the cnidarian <i>Nematostella vectensis</i> . <i>PLoS Genetics</i> , 2019, 15, e1008397.	3.5	9
47	A unique reproductive strategy in the mushroom coral <i>Fungia fungites</i> . <i>Coral Reefs</i> , 2020, 39, 1793-1804.	2.2	8
48	Distinct lineages and population genomic structure of the coral <i>Pachyseris speciosa</i> in the small equatorial reef system of Singapore. <i>Coral Reefs</i> , 2022, 41, 575-585.	2.2	7
49	Homogenization of Endosymbiont Communities Hosted by Equatorial Corals during the 2016 Mass Bleaching Event. <i>Microorganisms</i> , 2020, 8, 1370.	3.6	7
50	The Prokaryotic Microbiome of <i>Acropora digitifera</i> is Stable under Short-Term Artificial Light Pollution. <i>Microorganisms</i> , 2020, 8, 1566.	3.6	6
51	The Complexity of the Holobiont in the Red Sea Coral <i>Euphyllia paradivisa</i> under Heat Stress. <i>Microorganisms</i> , 2020, 8, 372.	3.6	6
52	Differences in photosynthetic activity between coral sections infested and not infested by boring sponiid polychaetes. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2006, 86, 727-728.	0.8	5
53	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
54	Flatfoot in Africa, the cirripede <i>Cthamalus</i> in the west Indian Ocean. <i>PeerJ</i> , 2021, 9, e11710.	2.0	5

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55	Cellular pathways during spawning induction in the starlet sea anemone <i>Nematostella vectensis</i> . <i>Scientific Reports</i> , 2021, 11, 15451.	3.3	5
56	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
57	Untangling the molecular basis of coral response to sedimentation. <i>Molecular Ecology</i> , 2022, 31, 884-901.	3.9	5
58	Chromatin Dynamics and Gene Expression Response to Heat Exposure in Field-Conditioned versus Laboratory-Cultured <i>Nematostella vectensis</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 7454.	4.1	4
59	The Coral Reef Sentinels Program: A Mars Shot for Blue Planetary Health. <i>Marine Technology Society Journal</i> , 2021, 55, 118-119.	0.4	0