Yeala Shaked

List of Publications by Year
in descending order

47 papers	2,945 citations	201674 27 h-index	223800 46 g-index
48 all docs	48 docs citations	48 times ranked	2631 citing authors

#	Article	IF	Citations
1	Iron transport in cyanobacteria â€“ from molecules to communities. Trends in Microbiology, 2022, 30, 229-240.	7.7	19
2	Colonies of the marine cyanobacterium Trichodesmium optimize dust utilization by selective collection and retention of nutrient-rich particles. IScience, 2022, 25, 103587.	4.1	7
3	Metagenomes of Red Sea Subpopulations Challenge the Use of Marker Genes and Morphology to Assess Trichodesmium Diversity. Frontiers in Microbiology, 2022, 13, .	3.5	4
4	Probing the Bioavailability of Dissolved Iron to Marine Eukaryotic Phytoplankton Using In Situ Single Cell Iron Quotas. Global Biogeochemical Cycles, 2021, 35, e2021GB006979.	4.9	9
5	Selective collection of iron-rich dust particles by natural <i>Trichodesmium</i> colonies. ISME Journal, 2020, 14, 91-103.	9.8	24
6	Mineral iron dissolution in Trichodesmium colonies: The role of O 2 and pH microenvironments. Limnology and Oceanography, 2020, 65, 1149-1160.	3.1	13
7	Investigation of Siderophore-Promoted and Reductive Dissolution of Dust in Marine Microenvironments Such as Trichodesmium Colonies. Frontiers in Marine Science, 2020, 7, .	2.5	9
8	Insights into the bioavailability of oceanic dissolved Fe from phytoplankton uptake kinetics. ISME Journal, 2020, 14, 1182-1193.	9.8	29
9	Hydrogen Dynamics in Trichodesmium Colonies and Their Potential Role in Mineral Iron Acquisition. Frontiers in Microbiology, 2019, 10, 1565.	3.5	26
10	Metallophores associated with <i>Trichodesmium erythraeum</i> colonies from the Gulf of Aqaba. Metallomics, 2019, 11, 1547-1557.	2.4	20
11	Colonies of marine cyanobacteria Trichodesmium interact with associated bacteria to acquire iron from dust. Communications Biology, 2019, 2, 284.	4.4	43
12	Mineral iron utilization by natural and cultured <i>Trichodesmium</i> and associated bacteria. Limnology and Oceanography, 2018, 63, 2307-2320.	3.1	36
13	Chemical characterization of atmospheric dust from a weekly time series in the north Red Sea between 2006 and 2010. Geochimica Et Cosmochimica Acta, 2017, 211, 373-393.	3.9	47
14	Rapid Hydrogen Peroxide Release during Coral-Bacteria Interactions. Frontiers in Marine Science, 2016, 3, .	2.5	12
15	Ironâ€“Nutrient Interactions within Phytoplankton. Frontiers in Plant Science, 2016, 7, 1223.	3.6	86
16	Enhanced ferrihydrite dissolution by a unicellular, planktonic cyanobacterium: a biological contribution to particulate iron bioavailability. Environmental Microbiology, 2016, 18, 5101-5111.	3.8	13
17	Rapid Hydrogen Peroxide release from the coral Stylophora pistillata during feeding and in response to chemical and physical stimuli. Scientific Reports, 2016, 6, 21000.	3.3	29
18	A Comparative Study of Iron Uptake Rates and Mechanisms amongst Marine and Fresh Water Cyanobacteria: Prevalence of Reductive Iron Uptake. Life, 2015, 5, 841-860.	2.4	60

#	Article	IF	Citations
19	Iron bioavailability to phytoplankton: an empirical approach. ISME Journal, 2015, 9, 1003-1013.	9.8	123
20	Release of hydrogen peroxide and antioxidants by the coral <i>Stylophora pistillata</i> to its external <i>milieu</i>. Biogeosciences, 2014, 11, 4587-4598.	3.3	27
21	Coordinated transporter activity shapes high-affinity iron acquisition in cyanobacteria. ISME Journal, 2014, 8, 409-417.	9.8	104
22	Trace element profiles of the sea anemone<i>Anemonia viridis</i>living nearby a natural CO₂vent. PeerJ, 2014, 2, e538.	2.0	27
23	Sulfur isotope homogeneity of oceanic DMSP and DMS. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18413-18418.	7.1	92
24	Seas of Superoxide. Science, 2013, 340, 1176-1177.	12.6	18
25	Dynamics of hydrogen peroxide in a coral reef: Sources and sinks. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 1793-1801.	3.0	26
26	Nitrite dynamics in the open oceanâ€"clues from seasonal and diurnal variations. Marine Ecology - Progress Series, 2012, 453, 11-26.	1.9	50
27	Disassembling Iron Availability to Phytoplankton. Frontiers in Microbiology, 2012, 3, 123.	3.5	168
28	Dust- and mineral-iron utilization by the marine dinitrogen-fixer Trichodesmium. Nature Geoscience, 2011, 4, 529-534.	12.9	188
29	The role of reduction in iron uptake processes in a unicellular, planktonic cyanobacterium. Environmental Microbiology, 2011, 13, 2990-2999.	3.8	105
30	Extracellular Production and Degradation of Superoxide in the Coral Stylophora pistillata and Cultured Symbiodinium. PLoS ONE, 2010, 5, e12508.	2.5	99
31	Hydrogen Peroxide Photocycling in the Gulf of Aqaba, Red Sea. Environmental Science & Technology, 2010, 44, 3238-3244.	10.0	39
32	Probing the bioavailability of organically bound iron: a case study in the Synechococcus-rich waters of the Gulf of Aqaba. Aquatic Microbial Ecology, 2009, 56, 241-253.	1.8	22
33	Iron redox dynamics in the surface waters of the Gulf of Aqaba, Red Sea. Geochimica Et Cosmochimica Acta, 2008, 72, 1540-1554.	3.9	38
34	Availability of iron from ironâ€storage proteins to marine phytoplankton. Limnology and Oceanography, 2008, 53, 890-899.	3.1	9
35	The role of unchelated Fe in the iron nutrition of phytoplankton. Limnology and Oceanography, 2008, 53, 400-404.	3.1	153
36	Zinc, cadmium, and cobalt interreplacement and relative use efficiencies in the coccolithophore Emiliania huxleyi. Limnology and Oceanography, 2007, 52, 2294-2305.	3.1	57

#	Article	IF	Citations
37	A role for mrgA, a DPS family protein, in the internal transport of Fe in the cyanobacterium Synechocystis sp. PCC6803. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 814-819.	1.0	79
38	Comparison of the kinetics of iron release from a marine (Trichodesmium erythraeum) Dps protein and mammalian ferritin in the presence and absence of ligands. Journal of Inorganic Biochemistry, 2007, 101, 1686-1691.	3.5	18
39	A NOVEL ALKALINE PHOSPHATASE IN THE COCCOLITHOPHOREEMILIANIA HUXLEYI(PRYMNESIOPHYCEAE) AND ITS REGULATION BY PHOSPHORUS. Journal of Phycology, 2006, 42, 835-844.	2.3	72
40	Zinc availability and alkaline phosphatase activity in Emiliania huxleyi: Implications for Zn-P co-limitation in the ocean. Limnology and Oceanography, 2006, 51, 299-309.	3.1	130
41	Extracellular production of superoxide by marine diatoms: Contrasting effects on iron redox chemistry and bioavailability. Limnology and Oceanography, 2005, 50, 1172-1180.	3.1	115
42	A general kinetic model for iron acquisition by eukaryotic phytoplankton. Limnology and Oceanography, 2005, 50, 872-882.	3.1	258
43	The biogeochemical cycle of iron and associated elements in Lake Kinneret 1,2 1Associate editor: M. L. Machesky 2See Electronic Annex (Elsevier Web site; Science Direct).. Geochimica Et Cosmochimica Acta, 2004, 68, 1439-1451.	3.9	36
44	Simultaneous determination of iron reduction and uptake by phytoplankton. Limnology and Oceanography: Methods, 2004, 2, 137-145.	2.0	40
45	Phytoplankton-Mediated Redox Cycle of Iron in the Epilimnion of Lake Kinneret. Environmental Science & Technology, 2002, 36, 460-467.	10.0	23
46	Iron availability, cellular iron quotas, and nitrogen fixation in <i>Trichodesmium</i>. Limnology and Oceanography, 2001, 46, 1249-1260.	3.1	342
47	Colonies of the Marine Cyanobacterium <i>Trichodesmium</i> Optimize Dust Utilization by Selective Collection and Retention of Nutrient-Rich Particles. SSRN Electronic Journal, 0, , .	0.4	1