

Micha Ilan

List of Publications by Year in descending order

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113
papers

5,134
citations

70961

41
h-index

98622

67
g-index

114
all docs

114
docs citations

114
times ranked

5321
citing authors

#	ARTICLE	IF	CITATIONS
1	Theonellamides J and K and 5-cis-Apoa-theopalauamide, Bicyclic Glycopeptides of the Red Sea Sponge <i>Theonella swinhoei</i> . <i>Marine Drugs</i> , 2022, 20, 31.	2.2	5
2	Cytotoxic Alkylolins of the Sponge <i>Cribrachalina vasculum</i> : Structure, Synthetic Analogs and SAR Studies. <i>Marine Drugs</i> , 2022, 20, 265.	2.2	3
3	Macrofauna Inhabiting Massive Demosponges From Shallow and Mesophotic Habitats Along the Israeli Mediterranean Coast. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	12
4	Sponge-Associated Polychaetes: Not a Random Assemblage. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	1
5	The Culturable Mycobiome of Mesophotic <i>Agelas oroides</i> : Constituents and Changes Following Sponge Transplantation to Shallow Water. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 567.	1.5	3
6	Arsenate reducing bacteria isolated from the marine sponge <i>Theonella swinhoei</i> : Bioremediation potential. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112522.	2.9	4
7	On the Path to Thermo-Stable Collagen: Culturing the Versatile Sponge <i>Chondrosia reniformis</i> . <i>Marine Drugs</i> , 2021, 19, 669.	2.2	5
8	Identification, Purification and Molecular Characterization of Chondrosin, a New Protein with Anti-tumoral Activity from the Marine Sponge <i>Chondrosia Reniformis</i> Nardo 1847. <i>Marine Drugs</i> , 2020, 18, 409.	2.2	9
9	Sponges in a Changing Climate: Survival of <i>Agelas oroides</i> in a Warming Mediterranean Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	11
10	Does Depth Matter? Reproduction Pattern Plasticity in Two Common Sponge Species Found in Both Mesophotic and Shallow Waters. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	4
11	Bromopyrrole Alkaloids of the Sponge <i>Agelas oroides</i> Collected Near the Israeli Mediterranean Coastline. <i>Journal of Natural Products</i> , 2020, 83, 374-384.	1.5	21
12	Single-bacterial genomics validates rich and varied specialized metabolism of uncultivated <i>Entotheonella</i> sponge symbionts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1718-1723.	3.3	70
13	A novel Chromatiales bacterium is a potential sulfide oxidizer in multiple orders of marine sponges. <i>Environmental Microbiology</i> , 2018, 20, 800-814.	1.8	27
14	<i>Schizoporella errata</i> (Bryozoa, Cheilostomata) in the Mediterranean Sea: abundance, growth rate, and reproductive strategy. <i>Marine Biology Research</i> , 2018, 14, 868-882.	0.3	11
15	Shedding light on an East-Mediterranean mesophotic sponge ground community and the regional sponge fauna. <i>Mediterranean Marine Science</i> , 2018, 19, 84.	0.6	50
16	Sponge-associated bacteria mineralize arsenic and barium on intracellular vesicles. <i>Nature Communications</i> , 2017, 8, 14393.	5.8	55
17	The sponge microbiome project. <i>GigaScience</i> , 2017, 6, 1-7.	3.3	193
18	Intermittent Hypoxia and Prolonged Suboxia Measured In situ in a Marine Sponge. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	37

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19	Increasing the Richness of Culturable Arsenic-Tolerant Bacteria from <i>Theonella swinhoei</i> by Addition of Sponge Skeleton to the Growth Medium. <i>Microbial Ecology</i> , 2016, 71, 873-886.	1.4	14
20	Bryozoa from the Mediterranean coast of Israel. <i>Mediterranean Marine Science</i> , 2016, 17, 440.	0.6	11
21	Compounds from the marine sponge <i>Cribrachalina vasculum</i> offer a way to target IGF-1R mediated signaling in tumor cells. <i>Oncotarget</i> , 2016, 7, 50258-50276.	0.8	20
22	Mitochondrial group I and group II introns in the sponge orders Agelasida and Axinellida. <i>BMC Evolutionary Biology</i> , 2015, 15, 278.	3.2	19
23	Photoinduced electro-optics measurements of biosilica transformation to cristobalite. <i>Journal of Solid State Chemistry</i> , 2015, 226, 231-236.	1.4	1
24	Culturable associated-bacteria of the sponge <i>Theonella swinhoei</i> show tolerance to high arsenic concentrations. <i>Frontiers in Microbiology</i> , 2015, 6, 154.	1.5	29
25	A quick, easy and non-intrusive method for underwater volume and surface area evaluation of benthic organisms by 3D computer modelling. <i>Methods in Ecology and Evolution</i> , 2015, 6, 521-531.	2.2	90
26	A population of <i>Percnon gibbesi</i> (H. Milne Edwards, 1853) (Crustacea: Decapoda: Plagusidae) along the Israeli coastline, southeast Mediterranean. <i>BiolInvasions Records</i> , 2015, 4, 289-291.	0.4	1
27	The Elemental Composition of Demospongiae from the Red Sea, Gulf of Aqaba. <i>PLoS ONE</i> , 2014, 9, e95775.	1.1	26
28	Sensitivity of <i>Neurospora crassa</i> to a Marine-Derived <i>Aspergillus tubingensis</i> Anhydride Exhibiting Antifungal Activity That Is Mediated by the MAS1 Protein. <i>Marine Drugs</i> , 2014, 12, 4713-4731.	2.2	30
29	Marine Sponge <i>Cribrachalina vasculum</i> Compounds Activate Intrinsic Apoptotic Signaling and Inhibit Growth Factor Signaling Cascades in Non-Small Cell Lung Carcinoma. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 2941-2954.	1.9	13
30	Diversity and antibacterial activity of bacteria cultured from Mediterranean <i>Axinella</i> spp. sponges. <i>Journal of Applied Microbiology</i> , 2014, 116, 519-532.	1.4	36
31	Induced Crystallization of Amorphous Biosilica to Cristobalite by Silicatein. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2104-2111.	1.2	14
32	Implementing sponge physiological and genomic information to enhance the diversity of its culturable associated bacteria. <i>FEMS Microbiology Ecology</i> , 2014, 87, 486-502.	1.3	37
33	Chemical Defense Against Fouling in the Solitary Ascidian <i>Phallusia nigra</i> . <i>Biological Bulletin</i> , 2014, 227, 232-241.	0.7	11
34	Identification and first insights into the structure and biosynthesis of chitin from the freshwater sponge <i>Spongilla lacustris</i> . <i>Journal of Structural Biology</i> , 2013, 183, 474-483.	1.3	88
35	Isolation and identification of chitin in three-dimensional skeleton of <i>Aplysina fistularis</i> marine sponge. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 94-100.	3.6	91
36	<i>Fulvitealea axinellae</i> gen. nov., sp. nov., a member of the family Flammeovirgaceae isolated from the Mediterranean sponge <i>Axinella verrucosa</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1678-1683.	0.8	7

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37	Aureivirga marina gen. nov., sp. nov., a marine bacterium isolated from the Mediterranean sponge <i>Axinella verrucosa</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1089-1095.	0.8	10
38	Phylogeny of Tetillidae (Porifera, Demospongiae, Spirophorida) based on three molecular markers. <i>Molecular Phylogenetics and Evolution</i> , 2013, 67, 509-519.	1.2	29
39	Barnacle fouling in the Mediterranean sponges <i>Axinella polypoides</i> and <i>Axinella verrucosa</i> . <i>Marine Ecology</i> , 2013, 34, 467-473.	0.4	2
40	Extreme Biomimetics: formation of zirconium dioxide nanophase using chitinous scaffolds under hydrothermal conditions. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5092.	2.9	84
41	First report on chitinous holdfast in sponges (Porifera). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130339.	1.2	40
42	<i>Luteivirga sdotyamensis</i> gen. nov., sp. nov., a novel bacterium of the phylum Bacteroidetes isolated from the Mediterranean sponge <i>Axinella polypoides</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 939-945.	0.8	13
43	Eight New Peptaibols from Sponge-Associated <i>Trichoderma atroviride</i> . <i>Marine Drugs</i> , 2013, 11, 4937-4960.	2.2	33
44	Abstract A170: Analysis of marine sponge <i>Cribrochalina vasculum</i> compounds demonstrate selective antitumor properties by activation of intrinsic apoptotic signaling and impaired growth factor receptor signaling cascades.. , 2013, , .		0
45	Assessing the complex sponge microbiota: core, variable and species-specific bacterial communities in marine sponges. <i>ISME Journal</i> , 2012, 6, 564-576.	4.4	508
46	ALG11 – A new variable DNA marker for sponge phylogeny: Comparison of phylogenetic performances with the 18S rDNA and the COI gene. <i>Molecular Phylogenetics and Evolution</i> , 2012, 63, 702-713.	1.2	25
47	Examination of Marine-Based Cultivation of Three Demosponges for Acquiring Bioactive Marine Natural Products. <i>Marine Drugs</i> , 2011, 9, 2201-2219.	2.2	20
48	Comments on a skeleton design paradigm for a demosponge. <i>Journal of Structural Biology</i> , 2011, 175, 415-424.	1.3	10
49	Chemical defense against predators and bacterial fouling in the Mediterranean sponges <i>Axinella polypoides</i> and <i>A. verrucosa</i> . <i>Marine Ecology - Progress Series</i> , 2011, 422, 113-122.	0.9	27
50	Novel terpenoids of the fungus <i>Aspergillus insuetus</i> isolated from the Mediterranean sponge <i>Psammocinia</i> sp. collected along the coast of Israel. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6587-6593.	1.4	63
51	Marine-Based Cultivation of <i>Diacarnus</i> Sponges and the Bacterial Community Composition of Wild and Maricultured Sponges and Their Larvae. <i>Marine Biotechnology</i> , 2011, 13, 1169-1182.	1.1	28
52	Stabilization of the $\hat{\pm}2$ Isoform of Na,K-ATPase by Mutations in a Phospholipid Binding Pocket. <i>Journal of Biological Chemistry</i> , 2011, 286, 42888-42899.	1.6	42
53	Diversity and potential antifungal properties of fungi associated with a Mediterranean sponge. <i>Fungal Diversity</i> , 2010, 42, 17-26.	4.7	112
54	Diversity of sponge mitochondrial introns revealed by cox 1 sequences of Tetillidae. <i>BMC Evolutionary Biology</i> , 2010, 10, 288.	3.2	33

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55	Insights into Chemistry of Biological Materials: Newly Discovered Silica-Aragonite-Chitin Biocomposites in Demosponges. <i>Chemistry of Materials</i> , 2010, 22, 1462-1471.	3.2	112
56	Three-dimensional chitin-based scaffolds from Verongida sponges (Demospongiae: Porifera). Part I. Isolation and identification of chitin. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 132-140.	3.6	144
57	Three-dimensional chitin-based scaffolds from Verongida sponges (Demospongiae: Porifera). Part II: Biomimetic potential and applications. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 141-145.	3.6	104
58	Structure of debromo-carteramine A, a novel bromopyrrole alkaloid from the Mediterranean sponge <i>Axinella verrucosa</i> . <i>Arkivoc</i> , 2010, 2010, 233-239.	0.3	12
59	Particulate organic matter as a food source for a coral reef sponge. <i>Journal of Experimental Biology</i> , 2009, 212, 3643-3650.	0.8	58
60	Presence of <i>Aspergillus sydowii</i> , a pathogen of gorgonian sea fans in the marine sponge <i>Spongia obscura</i> . <i>ISME Journal</i> , 2009, 3, 752-755.	4.4	63
61	The complete mitochondrial genome of the demosponge <i>Negombata magnifica</i> (Poecilosclerida). <i>Molecular Phylogenetics and Evolution</i> , 2008, 47, 1238-1243.	1.2	21
62	Oxygen consumption by a coral reef sponge. <i>Journal of Experimental Biology</i> , 2008, 211, 2185-2190.	0.8	44
63	Chemical versus mechanical bioerosion of coral reefs by boring sponges - lessons from <i>Pione cf. vastifica</i> . <i>Journal of Experimental Biology</i> , 2007, 210, 91-96.	0.8	83
64	Chemical warfare on coral reefs: Sponge metabolites differentially affect coral symbiosis in situ. <i>Limnology and Oceanography</i> , 2007, 52, 907-911.	1.6	75
65	Assessing anti-predatory chemical defences among ten eastern Mediterranean sponges. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2007, 87, 1785-1790.	0.4	11
66	High-throughput screening of cellular features using high-resolution light-microscopy; Application for profiling drug effects on cell adhesion. <i>Journal of Structural Biology</i> , 2007, 158, 233-243.	1.3	34
67	Tale of two colors: <i>Cladopsammia gracilis</i> (Dendrophylliidae) color morphs distinguished also by their genetics and ecology. <i>Marine Biology</i> , 2007, 151, 2195-2206.	0.7	9
68	Differential Gene Expression in a Marine Sponge in Relation to Its Symbiotic State. <i>Marine Biotechnology</i> , 2007, 9, 543-549.	1.1	33
69	Virus predation by sponges is a new nutrient-flow pathway in coral reef food webs. <i>Limnology and Oceanography</i> , 2006, 51, 1548-1550.	1.6	61
70	Putative cross-kingdom horizontal gene transfer in sponge (Porifera) mitochondria. <i>BMC Evolutionary Biology</i> , 2006, 6, 71.	3.2	101
71	Changes in morphology and physiology of an East Mediterranean sponge in different habitats. <i>Marine Biology</i> , 2005, 147, 243-250.	0.7	76
72	Transmission, plasticity and the molecular identification of cyanobacterial symbionts in the Red Sea sponge <i>Diacarnus erythraenus</i> . <i>Marine Biology</i> , 2005, 148, 35-41.	0.7	50

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73	16S rRNA Phylogeny of Sponge-Associated Cyanobacteria. Applied and Environmental Microbiology, 2005, 71, 4127-4131.	1.4	102
74	Sea ranching of the marine sponge <i>Negombata magnifica</i> (Demospongiae, Latrunculiidae) as a first step for latrunculin B mass production. Aquaculture, 2005, 244, 159-169.	1.7	46
75	Pandangolide 1a, a Metabolite of the Sponge-Associated Fungus <i>Cladosporium</i> sp., and the Absolute Stereochemistry of Pandangolide 1 and iso-Cladospolide B. Journal of Natural Products, 2005, 68, 1350-1353.	1.5	57
76	Taxonomy, reproduction and ecology of new and known Red Sea sponges. Sarsia, 2004, 89, 388-410.	0.5	46
77	The hydrozoan coral <i>Millepora dichotoma</i> : speciation or phenotypic plasticity?. Marine Biology, 2003, 143, 1175-1183.	0.7	27
78	Fibre-optical features of a glass sponge. Nature, 2003, 424, 899-900.	13.7	259
79	Small bathyal sponge species from east mediterranean revealed by a non-regular soft bottom sampling technique. Ophelia, 2003, 57, 145-160.	0.3	20
80	Comparison of anti-predatory defenses of Red Sea and Caribbean sponges. I. Chemical defense. Marine Ecology - Progress Series, 2003, 252, 105-114.	0.9	64
81	Comparison of anti-predatory defenses of Red Sea and Caribbean sponges. II. Physical defense. Marine Ecology - Progress Series, 2003, 252, 115-123.	0.9	43
82	The effect of gravity on coral morphology. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 717-720.	1.2	19
83	Aplyzanzine A, a New Dibromotyrosine Derivative from a <i>Verongida</i> Sponge. Journal of Natural Products, 2001, 64, 226-227.	1.5	17
84	Antimicrobial activity of the reef sponge <i>Amphimedon viridis</i> from the Red Sea: evidence for selective toxicity. Aquatic Microbial Ecology, 2001, 24, 9-16.	0.9	117
85	Photoadaptation of zooxanthellae in the sponge <i>Cliona vastifica</i> from the Red Sea, as measured in situ. Marine Biology, 2001, 138, 511-515.	0.7	18
86	Immunolocalization of the Toxin Latrunculin B within the Red Sea Sponge <i>Negombata magnifica</i> (Demospongiae, Latrunculiidae). Marine Biotechnology, 2000, 2, 213-223.	1.1	42
87	A new technique for non-intrusive in situ measurements of symbiotic photosynthesis. Coral Reefs, 1999, 18, 74-74.	0.9	2
88	Sponge-inhabiting barnacles on Red Sea coral reefs. Marine Biology, 1999, 133, 709-716.	0.7	22
89	Further steps in the initiation of cell cultures from embryos and adult sponge colonies. In Vitro Cellular and Developmental Biology - Animal, 1998, 34, 753-756.	0.7	26
90	Use of pulse amplitude modulated (PAM) fluorometry for in situ measurements of photosynthesis in two Red Sea faviid corals. Marine Biology, 1998, 131, 607-612.	0.7	79

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91	In situ measurements of photosynthetic irradiance responses of two Red Sea sponges growing under dim light conditions. <i>Marine Biology</i> , 1998, 131, 613-617.	0.7	47
92	Dynamics and growth patterns of calcareous sponge spicules. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1996, 263, 133-139.	1.2	27
93	Intracrystalline Macromolecules are Involved in the Morphogenesis of Calcitic Sponge Spicules. <i>Connective Tissue Research</i> , 1996, 34, 255-261.	1.1	66
94	Three new glycolipids from a Red Sea sponge of the genus <i>Erylus</i> . <i>Tetrahedron</i> , 1996, 52, 7921-7928.	1.0	21
95	Gemmules of sponges from a warm lake. <i>Freshwater Biology</i> , 1996, 35, 165-172.	1.2	8
96	Modelling coral reef biodiversity and habitat destruction. <i>Marine Ecology - Progress Series</i> , 1996, 134, 299-302.	0.9	19
97	Life history characteristics of a coral reef sponge. <i>Marine Biology</i> , 1995, 124, 443-451.	0.7	34
98	Cohabitation of a coral reef sponge and a colonial scyphozoan. <i>Marine Biology</i> , 1995, 124, 453-459.	0.7	19
99	Morphogenesis of calcitic sponge spicules: a role for specialized proteins interacting with growing crystals. <i>FASEB Journal</i> , 1995, 9, 262-268.	0.2	110
100	The Life of a Sponge in a Sandy Lagoon. <i>Biological Bulletin</i> , 1995, 189, 363-369.	0.7	60
101	Reproductive Biology, Taxonomy, and Aspects of Chemical Ecology of <i>Latrunculiidae</i> (Porifera). <i>Biological Bulletin</i> , 1995, 188, 306-312.	0.7	34
102	Allogeneic and xenogeneic interactions in reef-building corals may induce tissue growth without calcification. <i>Marine Ecology - Progress Series</i> , 1995, 124, 181-188.	0.9	17
103	Three deep water sponges from the Eastern Mediterranean and their associated Fauna. <i>Ophelia</i> , 1994, 39, 45-54.	0.3	49
104	Calcium control of metamorphosis in polychaete larvae. <i>The Journal of Experimental Zoology</i> , 1993, 267, 423-430.	1.4	26
105	<i>Kebira uteoides</i> (Porifera, Calcarea) a recent "cepharetronid" sponge from coral reefs. <i>Ophelia</i> , 1993, 38, 107-116.	0.3	11
106	Cyanthiwigin A-D, Novel Cytotoxic Diterpenes From The Sponge <i>Epipolasis Reiwigi</i> . <i>Natural Product Research</i> , 1992, 1, 193-199.	0.4	39
107	Niphatoxin A and B; two new ichthyo- and cytotoxic tripyridine alkaloids from a marine sponge. <i>Tetrahedron Letters</i> , 1992, 33, 3033-3034.	0.7	53
108	Sexual reproduction and settlement of the coral reef sponge <i>Chalinula</i> sp. from the Red Sea. <i>Marine Biology</i> , 1990, 105, 25-31.	0.7	50

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109	Seasonal water flux, urine and plasma osmotic concentrations in free-living fat sand rats feeding solely on saltbush. <i>Journal of Arid Environments</i> , 1990, 18, 59-66.	1.2	32
110	Ontogenetic Variation in Sponge Histocompatibility Responses. <i>Biological Bulletin</i> , 1990, 179, 279-286.	0.7	32
111	Diel Activity Pattern of a Diurnal Desert Rodent, <i>Psammomys obesus</i> . <i>Journal of Mammalogy</i> , 1990, 71, 66-69.	0.6	38
112	2-amino imidazole alkaloids from the marine sponge <i>leucetta chagosensis</i> . <i>Tetrahedron</i> , 1989, 45, 2193-2200.	1.0	104
113	New discoveries in Eastern Mediterranean mesophotic sponge grounds: updated checklist and description of three novel sponge species. <i>Mediterranean Marine Science</i> , 0, , .	0.6	0