

Shifra Ben-Dor

List of Publications by Year in descending order

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82
papers

4,953
citations

94433

37
h-index

102487

66
g-index

92
all docs

92
docs citations

92
times ranked

7717
citing authors

#	ARTICLE	IF	CITATIONS
1	When Do Lasses (Longevity Assurance Genes) Become CerS (Ceramide Synthases)?. Journal of Biological Chemistry, 2006, 281, 25001-25005.	3.4	393
2	Reactive oxygen species are indispensable in ovulation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1462-1467.	7.1	277
3	Molecular Identification and Functional Characterization of the Kisspeptin/Kisspeptin Receptor System in Lower Vertebrates ¹ . Biology of Reproduction, 2008, 79, 776-786.	2.7	211
4	NKG2D ligands mediate immunosurveillance of senescent cells. Aging, 2016, 8, 328-344.	3.1	211
5	A Critical Role for Ceramide Synthase 2 in Liver Homeostasis. Journal of Biological Chemistry, 2010, 285, 10911-10923.	3.4	200
6	Identification of the algal dimethyl sulfide-releasing enzyme: A missing link in the marine sulfur cycle. Science, 2015, 348, 1466-1469.	12.6	199
7	p21 maintains senescent cell viability under persistent DNA damage response by restraining JNK and caspase signaling. EMBO Journal, 2017, 36, 2280-2295.	7.8	187
8	One library to make them all: streamlining the creation of yeast libraries via a SWAp-Tag strategy. Nature Methods, 2016, 13, 371-378.	19.0	171
9	A LAD-III syndrome is associated with defective expression of the Rap-1 activator CalDAG-GEFI in lymphocytes, neutrophils, and platelets. Journal of Experimental Medicine, 2007, 204, 1571-1582.	8.5	150
10	The biosynthetic pathway of the nonsugar, high-intensity sweetener mogroside V from <i>Siraitia grosvenorii</i> . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7619-E7628.	7.1	134
11	Genome-wide SWAp-Tag yeast libraries for proteome exploration. Nature Methods, 2018, 15, 617-622.	19.0	134
12	Rewiring Host Lipid Metabolism by Large Viruses Determines the Fate of <i>Emiliania huxleyi</i> , a Bloom-Forming Alga in the Ocean. Plant Cell, 2014, 26, 2689-2707.	6.6	132
13	Neurokinin Bs and neurokinin B receptors in zebrafish-potential role in controlling fish reproduction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10269-10274.	7.1	115
14	Biases and complex patterns in the residues flanking protein N-glycosylation sites. Glycobiology, 2003, 14, 95-101.	2.5	111
15	The PH gene determines fruit acidity and contributes to the evolution of sweet melons. Nature Communications, 2014, 5, 4026.	12.8	100
16	Viral infection of the marine alga <i>Emiliania huxleyi</i> triggers lipidome remodeling and induces the production of highly saturated triacylglycerol. New Phytologist, 2016, 210, 88-96.	7.3	98
17	Loss of Kindlin-3 in LAD-III eliminates LFA-1 but not VLA-4 adhesiveness developed under shear flow conditions. Blood, 2009, 114, 2344-2353.	1.4	92
18	Recurrent inactivating RASA2 mutations in melanoma. Nature Genetics, 2015, 47, 1408-1410.	21.4	90

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19	Proteome Analysis of Cytoplasmatic and Plastidic β -Carotene Lipid Droplets in <i>Dunaliella bardawil</i> . <i>Plant Physiology</i> , 2014, 167, 60-79.	4.8	89
20	Transcriptional programs that control expression of the autoimmune regulator gene Aire. <i>Nature Immunology</i> , 2017, 18, 161-172.	14.5	81
21	Infection of phytoplankton by aerosolized marine viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6643-6647.	7.1	79
22	Elucidating the composition and conservation of the autophagy pathway in photosynthetic eukaryotes. <i>Autophagy</i> , 2015, 11, 701-715.	9.1	79
23	Modulation of host ROS metabolism is essential for viral infection of a bloom-forming coccolithophore in the ocean. <i>ISME Journal</i> , 2016, 10, 1742-1754.	9.8	79
24	Hijacking of an autophagy-like process is critical for the life cycle of a λ DNA virus infecting oceanic algal blooms. <i>New Phytologist</i> , 2014, 204, 854-863.	7.3	71
25	Acyl Chain Specificity of Ceramide Synthases Is Determined within a Region of 150 Residues in the Tram-Lag-CLN8 (TLC) Domain. <i>Journal of Biological Chemistry</i> , 2012, 287, 3197-3206.	3.4	60
26	CSNAP Is a Stoichiometric Subunit of the COP9 Signalosome. <i>Cell Reports</i> , 2015, 13, 585-598.	6.4	59
27	A New Functional Motif in Hox Domain-containing Ceramide Synthases. <i>Journal of Biological Chemistry</i> , 2007, 282, 27366-27373.	3.4	58
28	Viral serine palmitoyltransferase induces metabolic switch in sphingolipid biosynthesis and is required for infection of a marine alga. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1907-16.	7.1	58
29	A single-cell view on alga-virus interactions reveals sequential transcriptional programs and infection states. <i>Science Advances</i> , 2020, 6, eaba4137.	10.3	55
30	Identification of Modifier Genes in a Mouse Model of Gaucher Disease. <i>Cell Reports</i> , 2016, 16, 2546-2553.	6.4	52
31	Release of Apical Dominance in Potato Tuber Is Accompanied by Programmed Cell Death in the Apical Bud Meristem. <i>Plant Physiology</i> , 2012, 158, 2053-2067.	4.8	51
32	Eleven residues determine the acyl chain specificity of ceramide synthases. <i>Journal of Biological Chemistry</i> , 2018, 293, 9912-9921.	3.4	50
33	The GORKY glycoalkaloid transporter is indispensable for preventing tomato bitterness. <i>Nature Plants</i> , 2021, 7, 468-480.	9.3	50
34	Zooplankton May Serve as Transmission Vectors for Viruses Infecting Algal Blooms in the Ocean. <i>Current Biology</i> , 2014, 24, 2592-2597.	3.9	48
35	Gonadotropin-Regulated Lymphangiogenesis in Ovarian Cancer Is Mediated by LEDGF-Induced Expression of VEGF-C. <i>Cancer Research</i> , 2009, 69, 9306-9314.	0.9	45
36	Transcriptional Regulation of Vascular Endothelial Growth Factor C by Oxidative and Thermal Stress Is Mediated by Lens Epithelium-Derived Growth Factor/p75. <i>Neoplasia</i> , 2009, 11, 921-927.	5.3	42

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37	The Metabolic Regulator PGC-1 β Directly Controls the Expression of the Hypothalamic Neuropeptide Oxytocin. <i>Journal of Neuroscience</i> , 2011, 31, 14835-14840.	3.6	42
38	Comparative Metabolomics and Molecular Phylogenetics of Melon (<i>Cucumis melo</i> , Cucurbitaceae) Biodiversity. <i>Metabolites</i> , 2020, 10, 121.	2.9	35
39	Genomic profiling of bovine corpus luteum maturation. <i>PLoS ONE</i> , 2018, 13, e0194456.	2.5	34
40	Efficiency in Complexity: Composition and Dynamic Nature of Mimivirus Replication Factories. <i>Journal of Virology</i> , 2016, 90, 10039-10047.	3.4	33
41	Dimethyl sulfide mediates microbial predator-prey interactions between zooplankton and algae in the ocean. <i>Nature Microbiology</i> , 2021, 6, 1357-1366.	13.3	33
42	A Stroll Down the CerS Lane. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1159, 49-63.	1.6	32
43	Improving transcriptome construction in non-model organisms: integrating manual and automated gene definition in <i>Emiliana huxleyi</i> . <i>BMC Genomics</i> , 2014, 15, 148.	2.8	31
44	Morphological switch to a resistant subpopulation in response to viral infection in the bloom-forming coccolithophore <i>Emiliana huxleyi</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006775.	4.7	29
45	A Methyl-Balanced Diet Prevents CRF-Induced Prenatal Stress-Triggered Predisposition to Binge Eating-like Phenotype. <i>Cell Metabolism</i> , 2017, 25, 1269-1281.e6.	16.2	28
46	Glucocorticoid-induced leucine zipper α quantifies stressors and increases male susceptibility to PTSD. <i>Translational Psychiatry</i> , 2019, 9, 178.	4.8	25
47	Rapid starch degradation in the wood of olive trees under heat and drought is permitted by three stress-specific beta amylases. <i>New Phytologist</i> , 2021, 229, 1398-1414.	7.3	25
48	The glycine arginine-rich domain of the RNA-binding protein nucleolin regulates its subcellular localization. <i>EMBO Journal</i> , 2021, 40, e107158.	7.8	23
49	Vacuolar processing enzyme activates programmed cell death in the apical meristem inducing loss of apical dominance. <i>Plant, Cell and Environment</i> , 2017, 40, 2381-2392.	5.7	22
50	Regulation of the 20S Proteasome by a Novel Family of Inhibitory Proteins. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 636-655.	5.4	21
51	Different hotspot p53 mutants exert distinct phenotypes and predict outcome of colorectal cancer patients. <i>Nature Communications</i> , 2022, 13, 2800.	12.8	21
52	BACH family members regulate angiogenesis and lymphangiogenesis by modulating VEGFC expression. <i>Life Science Alliance</i> , 2020, 3, e202000666.	2.8	20
53	Molecular diagnosis of β -thalassemia in a multiethnic population. <i>European Journal of Haematology</i> , 2017, 98, 553-562.	2.2	19
54	Drought tolerance mechanisms and aquaporin expression of wild vs. cultivated pear tree species in the field. <i>Environmental and Experimental Botany</i> , 2019, 167, 103832.	4.2	19

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55	Molecular characterization and bioinformatics analysis of Ncoa7B, a novel ovulation-associated and reproduction system-specific Ncoa7 isoform. <i>Reproduction</i> , 2008, 135, 321-333.	2.6	18
56	Placental miR-340 mediates vulnerability to activity based anorexia in mice. <i>Nature Communications</i> , 2018, 9, 1596.	12.8	18
57	Sex dependent impact of gestational stress on predisposition to eating disorders and metabolic disease. <i>Molecular Metabolism</i> , 2018, 17, 1-16.	6.5	18
58	Protein Topology Prediction Algorithms Systematically Investigated in the Yeast <i>Saccharomyces cerevisiae</i> . <i>BioEssays</i> , 2019, 41, e1800252.	2.5	18
59	Mechanistic dissection of dominant AIRE mutations in mouse models reveals AIRE autoregulation. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	18
60	The Development of a Novel qPCR Assay-Set for Identifying Fecal Contamination Originating from Domestic Fowls and Waterfowl in Israel. <i>Frontiers in Microbiology</i> , 2016, 7, 145.	3.5	17
61	Making authentic science accessible—the benefits and challenges of integrating bioinformatics into a high-school science curriculum. <i>Briefings in Bioinformatics</i> , 2017, 18, 145-159.	6.5	17
62	SLAMF9 regulates pDC homeostasis and function in health and disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16489-16496.	7.1	17
63	Pou5f1/Oct4 Promotes Cell Survival via Direct Activation of mych Expression during Zebrafish Gastrulation. <i>PLoS ONE</i> , 2014, 9, e92356.	2.5	17
64	Whole-genome sequencing reveals that variants in the Interleukin 18 Receptor Accessory Protein 3'UTR protect against ALS. <i>Nature Neuroscience</i> , 2022, 25, 433-445.	14.8	16
65	Oxidative stress elicited by modifying the ceramide acyl chain length reduces the rate of clathrin-mediated endocytosis. <i>Journal of Cell Science</i> , 2017, 130, 1486-1493.	2.0	15
66	Biochemical Characterization of a Novel Redox-Regulated Metacaspase in a Marine Diatom. <i>Frontiers in Microbiology</i> , 2021, 12, 688199.	3.5	13
67	A novel C-terminal DxRSDxE motif in ceramide synthases involved in dimer formation. <i>Journal of Biological Chemistry</i> , 2022, 298, 101517.	3.4	12
68	Diversification of Quiescin sulfhydryl oxidase in a preserved framework for redox relay. <i>BMC Evolutionary Biology</i> , 2013, 13, 70.	3.2	11
69	The PXDLS linear motif regulates circadian rhythmicity through protein-protein interactions. <i>Nucleic Acids Research</i> , 2014, 42, 11879-11890.	14.5	11
70	Do phosphoinositides regulate membrane water permeability of tobacco protoplasts by enhancing the aquaporin pathway?. <i>Planta</i> , 2015, 241, 741-755.	3.2	11
71	Dispersal of an ancient retroposon in the TP53 promoter of Bovidae: phylogeny, novel mechanisms, and potential implications for cow milk persistency. <i>BMC Genomics</i> , 2015, 16, 53.	2.8	10
72	Mice defective in interferon signaling help distinguish between primary and secondary pathological pathways in a mouse model of neuronal forms of Gaucher disease. <i>Journal of Neuroinflammation</i> , 2020, 17, 265.	7.2	10

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73	Double the Fun, Double the Trouble: Paralogs and Homologs Functioning in the Endoplasmic Reticulum. <i>Annual Review of Biochemistry</i> , 2020, 89, 637-666.	11.1	10
74	Identification and characterization of the key enzyme in the biosynthesis of the neurotoxin $\hat{1}^2$ -ODAP in grass pea. <i>Journal of Biological Chemistry</i> , 2022, , 101806.	3.4	10
75	An <i>Emiliana huxleyi</i> pan-transcriptome reveals basal strain specificity in gene expression patterns. <i>Scientific Reports</i> , 2021, 11, 20795.	3.3	7
76	Physiological drought resistance mechanisms in wild species vs. rootstocks of almond and plum. <i>Trees - Structure and Function</i> , 2022, 36, 669-683.	1.9	7
77	ICAM-1 on Breast Cancer Cells Suppresses Lung Metastasis but Is Dispensable for Tumor Growth and Killing by Cytotoxic T Cells. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	7
78	Complete Genome Sequence of <i>Emiliana huxleyi</i> Virus Strain M1, Isolated from an Induced <i>E. huxleyi</i> Bloom in Bergen, Norway. <i>Microbiology Resource Announcements</i> , 2022, 11, e0007122.	0.6	6
79	Magnetic Resonance Imaging Reveals Distinct Roles for Tissue Transglutaminase and Factor XIII in Maternal Angiogenesis During Early Mouse Pregnancy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1602-1613.	2.4	4
80	Guanine polynucleotides are self-antigens for human natural autoantibodies and are significantly reduced in the human genome. <i>Immunology</i> , 2015, 146, 401-410.	4.4	2
81	A LAD-III syndrome is associated with defective expression of the Rap-1 activator CalDAG-GEFI in lymphocytes, neutrophils, and platelets. <i>Journal of Cell Biology</i> , 2007, 178, i2-i2.	5.2	0
82	Generation of a ceramide synthase 6 mouse lacking the DDRSDIE C-terminal motif. <i>PLoS ONE</i> , 2022, 17, e0271675.	2.5	0