

Ziv Porat

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

4,672
citations

109321

35
h-index

110387

64
g-index

101
all docs

101
docs citations

101
times ranked

9017
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging flow cytometry reveals a dual role for exopolysaccharides in biofilms: To promote self-adhesion while repelling non-self-community members. Computational and Structural Biotechnology Journal, 2022, 20, 15-25.	4.1	4
2	A new function for the serine protease HtrA2 in controlling radiation-induced senescence in cancer cells. Molecular Oncology, 2022, 16, 1365-1383.	4.6	1
3	Sialylated N-glycans mediate monocyte uptake of extracellular vesicles secreted from Plasmodium falciparum-infected red blood cells. , 2022, 1, .		6
4	Applying imaging flow cytometry and immunofluorescence in studying the dynamic Golgi structure in cultured cells. STAR Protocols, 2022, 3, 101278.	1.2	2
5	Visual barcodes for clonal-multiplexing of live microscopy-based assays. Nature Communications, 2022, 13, 2725.	12.8	7
6	20S proteasomes secreted by the malaria parasite promote its growth. Nature Communications, 2021, 12, 1172.	12.8	45
7	Visualizing active viral infection reveals diverse cell fates in synchronized algal bloom demise. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	51
8	Clump sequencing exposes the spatial expression programs of intestinal secretory cells. Nature Communications, 2021, 12, 3074.	12.8	43
9	Malaria parasites both repress host CXCL10 and use it as a cue for growth acceleration. Nature Communications, 2021, 12, 4851.	12.8	22
10	Bacillus subtilis Colonization of Arabidopsis thaliana Roots Induces Multiple Biosynthetic Clusters for Antibiotic Production. Frontiers in Cellular and Infection Microbiology, 2021, 11, 722778.	3.9	6
11	Mechanistic dissection of dominant AIRE mutations in mouse models reveals AIRE autoregulation. Journal of Experimental Medicine, 2021, 218, .	8.5	18
12	Monitoring Distribution Dynamics of EV RNA Cargo Within Recipient Monocytes and Macrophages. Frontiers in Cellular and Infection Microbiology, 2021, 11, 739628.	3.9	3
13	The mitochondrial carrier Citrin plays a role in regulating cellular energy during carcinogenesis. Oncogene, 2020, 39, 164-175.	5.9	16
14	Polyglutamine-Related Aggregates Can Serve as a Potent Antigen Source for Cross-Presentation by Dendritic Cells. Journal of Immunology, 2020, 205, 2583-2594.	0.8	2
15	Antibody-Free Labeling of Malaria-Derived Extracellular Vesicles Using Flow Cytometry. Biomedicines, 2020, 8, 98.	3.2	3
16	Shigella impairs human T lymphocyte responsiveness by hijacking actin cytoskeleton dynamics and T cell receptor vesicular trafficking. Cellular Microbiology, 2020, 22, e13166.	2.1	11
17	Golgi organization is regulated by proteasomal degradation. Nature Communications, 2020, 11, 409.	12.8	73
18	Kinetics of Mimivirus Infection Stages Quantified Using Image Flow Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 534-548.	1.5	25

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19	Senescent cell turnover slows with age providing an explanation for the Gompertz law. Nature Communications, 2019, 10, 5495.	12.8	94
20	A Multiparametric Assay to Evaluate Senescent Cells. Methods in Molecular Biology, 2019, 1896, 107-117.	0.9	5
21	Mutant p53-dependent mitochondrial metabolic alterations in a mesenchymal stem cell-based model of progressive malignancy. Cell Death and Differentiation, 2019, 26, 1566-1581.	11.2	27
22	Quantitative Identification of Senescent Cells in Cancer. Methods in Molecular Biology, 2019, 1884, 259-267.	0.9	3
23	HIV GP41 Envelope Protein Early and Late Membrane Fusion Stages are Impaired by a Sphinganine Based Lipo-Peptide. Biophysical Journal, 2018, 114, 458a.	0.5	0
24	Mutant p53 gain of function underlies high expression levels of colorectal cancer stem cells markers. Oncogene, 2018, 37, 1669-1684.	5.9	72
25	Nanoparticulate vaccine inhibits tumor growth via improved T cell recruitment into melanoma and huHER2 breast cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 835-847.	3.3	17
26	Paired-cell sequencing enables spatial gene expression mapping of liver endothelial cells. Nature Biotechnology, 2018, 36, 962-970.	17.5	262
27	Monitoring Extracellular Vesicle Cargo Active Uptake by Imaging Flow Cytometry. Frontiers in Immunology, 2018, 9, 1011.	4.8	47
28	Induction of CD4 T cell memory by local cellular collectivity. Science, 2018, 360, .	12.6	75
29	Identification and classification of the malaria parasite blood developmental stages, using imaging flow cytometry. Methods, 2017, 112, 157-166.	3.8	30
30	Erythrocyte survival is controlled by microRNA-142. Haematologica, 2017, 102, 676-685.	3.5	33
31	Single cell imaging and quantification of TDP-43 and α -synuclein intercellular propagation. Scientific Reports, 2017, 7, 544.	3.3	16
32	High Throughput Analysis of Golgi Structure by Imaging Flow Cytometry. Scientific Reports, 2017, 7, 788.	3.3	23
33	Rational design of nanoparticles towards targeting antigen-presenting cells and improved T cell priming. Journal of Controlled Release, 2017, 258, 182-195.	9.9	79
34	Quantitative identification of senescent cells in aging and disease. Aging Cell, 2017, 16, 661-671.	6.7	269
35	p21 maintains senescent cell viability under persistent α -DNA damage response by restraining α -JNK and caspase signaling. EMBO Journal, 2017, 36, 2280-2295.	7.8	187
36	Newly Formed Endothelial Cells Regulate Myeloid Cell Activity Following Spinal Cord Injury via Expression of CD200 Ligand. Journal of Neuroscience, 2017, 37, 972-985.	3.6	24

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37	Injection of T3SS effectors not resulting in invasion is the main targeting mechanism of Shigella toward human lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9954-9959.	7.1	17
38	Rac1 functions downstream of miR-142 in regulation of erythropoiesis. Haematologica, 2017, 102, e476-e480.	3.5	9
39	T Cells Regulate Peripheral Naive Mature B Cell Survival by Cell-Cell Contact Mediated through SLAMF6 and SAP. Journal of Immunology, 2017, 199, 2745-2757.	0.8	19
40	Culturing CTLs under Hypoxic Conditions Enhances Their Cytolysis and Improves Their Anti-tumor Function. Cell Reports, 2017, 20, 2547-2555.	6.4	118
41	Malaria parasite DNA-harboring vesicles activate cytosolic immune sensors. Nature Communications, 2017, 8, 1985.	12.8	160
42	Quantitative analysis of protein-protein interactions and post-translational modifications in rare immune populations. Nature Communications, 2017, 8, 1524.	12.8	26
43	SNARE priming is essential for maturation of autophagosomes but not for their formation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12749-12754.	7.1	39
44	Intramembrane attenuation of the TLR4-TLR6 dimer impairs receptor assembly and reduces microglia-mediated neurodegeneration. Journal of Biological Chemistry, 2017, 292, 13415-13427.	3.4	31
45	Pyruvate dehydrogenase has a major role in mast cell function, and its activity is regulated by mitochondrial microphthalmia transcription factor. Journal of Allergy and Clinical Immunology, 2017, 140, 204-214.e8.	2.9	24
46	Newly Formed Endothelial Cells Regulate Myeloid Cell Activity Following Spinal Cord Injury via Expression of CD200 Ligand. Journal of Neuroscience, 2017, 37, 972-985.	3.6	2
47	Neutralization of pro-inflammatory monocytes by targeting TLR2 dimerization ameliorates colitis. EMBO Journal, 2016, 35, 685-698.	7.8	30
48	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
49	Phosphorus starvation induces membrane remodeling and recycling in <i>Emiliania huxleyi</i> . New Phytologist, 2016, 211, 886-898.	7.3	78
50	Measurement of lymphocyte aggregation by flow cytometry—physiological implications in chronic lymphocytic leukemia. Cytometry Part B - Clinical Cytometry, 2016, 90, 257-266.	1.5	10
51	Modulation of host ROS metabolism is essential for viral infection of a bloom-forming coccolithophore in the ocean. ISME Journal, 2016, 10, 1742-1754.	9.8	79
52	The LATS2 tumor suppressor inhibits SREBP and suppresses hepatic cholesterol accumulation. Genes and Development, 2016, 30, 786-797.	5.9	78
53	Repeated exposures to roadside particulate matter extracts suppresses pulmonary defense mechanisms, resulting in lipid and protein oxidative damage. Environmental Pollution, 2016, 210, 227-237.	7.5	57
54	Novel p53 target genes secreted by the liver are involved in non-cell-autonomous regulation. Cell Death and Differentiation, 2016, 23, 509-520.	11.2	20

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55	Abstract SY26-03: Tumor suppressor crosstalk: Modulation of p53 activity by the Hippo pathway. , 2016, , .		0
56	Navigator-3, a modulator of cell migration, may act as a suppressor of breast cancer progression. EMBO Molecular Medicine, 2015, 7, 299-314.	6.9	34
57	Cerebral nitric oxide represses choroid plexus NF- κ B-dependent gateway activity for leukocyte trafficking. EMBO Journal, 2015, 34, 1816-1828.	7.8	63
58	Applications of flow cytometry for measurement of autophagy. Methods, 2015, 75, 87-95.	3.8	24
59	c-Abl antagonizes the YAP oncogenic function. Cell Death and Differentiation, 2015, 22, 935-945.	11.2	50
60	An MTCH2 pathway repressing mitochondria metabolism regulates haematopoietic stem cell fate. Nature Communications, 2015, 6, 7901.	12.8	187
61	The Tyrosine Kinase c-Abl Promotes Homeodomain-interacting Protein Kinase 2 (HIPK2) Accumulation and Activation in Response to DNA Damage. Journal of Biological Chemistry, 2015, 290, 16478-16488.	3.4	18
62	Cell-cycle progress in obligate predatory bacteria is dependent upon sequential sensing of prey recognition and prey quality cues. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6028-37.	7.1	49
63	Cultured Mesenchymal Stem Cells Stimulate an Immune Response by Providing Immune Cells with Toll-Like Receptor 2 Ligand. Stem Cell Reviews and Reports, 2015, 11, 826-840.	5.6	8
64	Mitotic Golgi translocation of ERK1c is mediated by PI4KIII β /14-3-3 β shuttling complex. Journal of Cell Science, 2015, 128, 4083-95.	2.0	20
65	PAR1 signaling regulates the retention and recruitment of EPCR-expressing bone marrow hematopoietic stem cells. Nature Medicine, 2015, 21, 1307-1317.	30.7	125
66	Down-regulation of LATS kinases alters p53 to promote cell migration. Genes and Development, 2015, 29, 2325-2330.	5.9	68
67	Developmental Axon Pruning Requires Destabilization of Cell Adhesion by JNK Signaling. Neuron, 2015, 88, 926-940.	8.1	37
68	Cellular senescence-like features of lung fibroblasts derived from idiopathic pulmonary fibrosis patients. Aging, 2015, 7, 664-672.	3.1	132
69	Early and late HIV-1 membrane fusion events are impaired by sphinganine lipidated peptides that target the fusion site. Biochemical Journal, 2014, 461, 213-222.	3.7	13
70	Surface-motility induction, attraction and hitchhiking between bacterial species promote dispersal on solid surfaces. ISME Journal, 2014, 8, 1147-1151.	9.8	65
71	miR-142 orchestrates a network of actin cytoskeleton regulators during megakaryopoiesis. ELife, 2014, 3, e01964.	6.0	67
72	Inhibition of triple-negative breast cancer models by combinations of antibodies to EGFR. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1815-1820.	7.1	98

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73	Dynamic Response Diversity of NFAT Isoforms in Individual Living Cells. <i>Molecular Cell</i> , 2013, 49, 322-330.	9.7	92
74	Divergence in CD19-Mediated Signaling Unfolds Intracloal Diversity in Chronic Lymphocytic Leukemia, Which Correlates with Disease Progression. <i>Journal of Immunology</i> , 2013, 190, 784-793.	0.8	8
75	Direct modulation of the outer mitochondrial membrane channel, voltage-dependent anion channel 1 (VDAC1) by cannabidiol: a novel mechanism for cannabinoid-induced cell death. <i>Cell Death and Disease</i> , 2013, 4, e949-e949.	6.3	133
76	Promoter activity dynamics in the lag phase of <i>Escherichia coli</i> . <i>BMC Systems Biology</i> , 2013, 7, 136.	3.0	72
77	GSK3 β regulates physiological migration of stem/progenitor cells via cytoskeletal rearrangement. <i>Journal of Clinical Investigation</i> , 2013, 123, 1705-1717.	8.2	32
78	GSK3 β regulates physiological migration of stem/progenitor cells via cytoskeletal rearrangement. <i>Journal of Clinical Investigation</i> , 2013, 123, 3183-3183.	8.2	0
79	Co-regulation of polar mRNA transport and lifespan in budding yeast <i>Saccharomyces cerevisiae</i> . <i>Cell Cycle</i> , 2012, 11, 4275-4280.	2.6	3
80	Monocytes-macrophages that express β -smooth muscle actin preserve primitive hematopoietic cells in the bone marrow. <i>Nature Immunology</i> , 2012, 13, 1072-1082.	14.5	196
81	Shear flow-induced formation of tubular cell protrusions in multiple myeloma cells. <i>Journal of Cellular Physiology</i> , 2011, 226, 3197-3207.	4.1	5
82	Yeast Antizyme Mediates Degradation of Yeast Ornithine Decarboxylase by Yeast but Not by Mammalian Proteasome. <i>Journal of Biological Chemistry</i> , 2008, 283, 4528-4534.	3.4	19
83	Overexpression of antizyme-inhibitor in NIH3T3 fibroblasts provides growth advantage through neutralization of antizyme functions. <i>Oncogene</i> , 2006, 25, 5163-5172.	5.9	68
84	Cellular localization and phosphorylation of Hrb1p is independent of Sky1p. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 207-213.	4.1	4
85	Mechanism of polyamine tolerance in yeast: novel regulators and insights. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 3106-3116.	5.4	30
86	Early activation of microglia as antigen-presenting cells correlates with T cell-mediated protection and repair of the injured central nervous system. <i>Journal of Neuroimmunology</i> , 2004, 146, 84-93.	2.3	134
87	T cell immunity to copolymer 1 confers neuroprotection on the damaged optic nerve: Possible therapy for optic neuropathies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 7446-7451.	7.1	309
88	Microglia Control CNS T Regulatory Cell Activity During Remission From EAE Pathology. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
89	Visualizing Active Viral Infection Reveals Diverse Cell Fates in Synchronized Algal Bloom Demise. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0