Ziv Porat

List of Publications by Year in descending order

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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	T cell immunity to copolymer 1 confers neuroprotection on the damaged optic nerve: Possible therapy for optic neuropathies. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 7446-7451.	7.1	309
2	Quantitative identification of senescent cells in aging and disease. Aging Cell, 2017, 16, 661-671.	6.7	269
3	Paired-cell sequencing enables spatial gene expression mapping of liver endothelial cells. Nature Biotechnology, 2018, 36, 962-970.	17.5	262
4	Monocytes-macrophages that express Î±-smooth muscle actin preserve primitive hematopoietic cells in the bone marrow. Nature Immunology, 2012, 13, 1072-1082.	14.5	196
5	An MTCH2 pathway repressing mitochondria metabolism regulates haematopoietic stem cell fate. Nature Communications, 2015, 6, 7901.	12.8	187
6	p21 maintains senescent cell viability under persistent <scp>DNA</scp> damage response by restraining <scp>JNK</scp> and caspase signaling. EMBO Journal, 2017, 36, 2280-2295.	7.8	187
7	Malaria parasite DNA-harbouring vesicles activate cytosolic immune sensors. Nature Communications, 2017, 8, 1985.	12.8	160
8	Early activation of microglia as antigen-presenting cells correlates with T cell-mediated protection and repair of the injured central nervous system. Journal of Neuroimmunology, 2004, 146, 84-93.	2.3	134
9	Direct modulation of the outer mitochondrial membrane channel, voltage-dependent anion channel 1 (VDAC1) by cannabidiol: a novel mechanism for cannabinoid-induced cell death. Cell Death and Disease, 2013, 4, e949-e949.	6.3	133
10	Cellular senescence-like features of lung fibroblasts derived from idiopathic pulmonary fibrosis patients. Aging, 2015, 7, 664-672.	3.1	132
11	PAR1 signaling regulates the retention and recruitment of EPCR-expressing bone marrow hematopoietic stem cells. Nature Medicine, 2015, 21, 1307-1317.	30.7	125
12	Culturing CTLs under Hypoxic Conditions Enhances Their Cytolysis and Improves Their Anti-tumor Function. Cell Reports, 2017, 20, 2547-2555.	6.4	118
13	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
14	Viral infection of the marine alga Emiliania huxleyi triggers lipidomeÂremodeling and induces the production of highly saturated triacylglycerol. New Phytologist, 2016, 210, 88-96.	7.3	98
15	Senescent cell turnover slows with age providing an explanation for the Gompertz law. Nature Communications, 2019, 10, 5495.	12.8	94
16	Dynamic Response Diversity of NFAT Isoforms in Individual Living Cells. Molecular Cell, 2013, 49, 322-330.	9.7	92
17	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
18	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

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19	Phosphorus starvation induces membrane remodeling and recycling in Emiliania huxleyi. New Phytologist, 2016, 211, 886-898.	7.3	78
20	The LATS2 tumor suppressor inhibits SREBP and suppresses hepatic cholesterol accumulation. Genes and Development, 2016, 30, 786-797.	5.9	78
21	Induction of CD4 T cell memory by local cellular collectivity. Science, 2018, 360, .	12.6	75
22	Golgi organization is regulated by proteasomal degradation. Nature Communications, 2020, 11, 409.	12.8	73
23	Promoter activity dynamics in the lag phase of Escherichia coli. BMC Systems Biology, 2013, 7, 136.	3.0	72
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	Overexpression of antizyme-inhibitor in NIH3T3 fibroblasts provides growth advantage through neutralization of antizyme functions. Oncogene, 2006, 25, 5163-5172.	5.9	68
26	Down-regulation of LATS kinases alters p53 to promote cell migration. Genes and Development, 2015, 29, 2325-2330.	5.9	68
27	miR-142 orchestrates a network of actin cytoskeleton regulators during megakaryopoiesis. ELife, 2014, 3, e01964.	6.0	67
28	Surface-motility induction, attraction and hitchhiking between bacterial species promote dispersal on solid surfaces. ISME Journal, 2014, 8, 1147-1151.	9.8	65
29	Cerebral nitric oxide represses choroid plexus <scp>NF</scp> ÎºBâ€dependent gateway activity for leukocyteÂtrafficking. EMBO Journal, 2015, 34, 1816-1828.	7.8	63
30	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
31	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
32	c-Abl antagonizes the YAP oncogenic function. Cell Death and Differentiation, 2015, 22, 935-945.	11.2	50
33	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
34	Monitoring Extracellular Vesicle Cargo Active Uptake by Imaging Flow Cytometry. Frontiers in Immunology, 2018, 9, 1011.	4.8	47
35	20S proteasomes secreted by the malaria parasite promote its growth. Nature Communications, 2021, 12, 1172.	12.8	45
36	Clump sequencing exposes the spatial expression programs of intestinal secretory cells. Nature Communications, 2021, 12, 3074.	12.8	43

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37	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
38	Developmental Axon Pruning Requires Destabilization of Cell Adhesion by JNK Signaling. Neuron, 2015, 88, 926-940.	8.1	37
39	Navigatorâ€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
40	Erythrocyte survival is controlled by microRNA-142. Haematologica, 2017, 102, 676-685.	3.5	33
41	GSK3Î² regulates physiological migration of stem/progenitor cells via cytoskeletal rearrangement. Journal of Clinical Investigation, 2013, 123, 1705-1717.	8.2	32
42	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
43	Mechanism of polyamine tolerance in yeast: novel regulators and insights. Cellular and Molecular Life Sciences, 2005, 62, 3106-3116.	5.4	30
44	Neutralization of proâ€inflammatory monocytes by targeting TLR2 dimerization ameliorates colitis. EMBO Journal, 2016, 35, 685-698.	7.8	30
45	Identification and classification of the malaria parasite blood developmental stages, using imaging flow cytometry. Methods, 2017, 112, 157-166.	3.8	30
46	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
47	Quantitative analysis of protein-protein interactions and post-translational modifications in rare immune populations. Nature Communications, 2017, 8, 1524.	12.8	26
48	Kinetics ofMimivirusInfection 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
49	Applications of flow cytometry for measurement of autophagy. Methods, 2015, 75, 87-95.	3.8	24
50	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
51	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
52	High Throughput Analysis of Golgi Structure by Imaging Flow Cytometry. Scientific Reports, 2017, 7, 788.	3.3	23
53	Malaria parasites both repress host CXCL10 and use it as a cue for growth acceleration. Nature Communications, 2021, 12, 4851.	12.8	22
54	Mitotic Golgi translocation of ERK1c is mediated by PI4KIIIÎ²/14-3-3Î³ shuttling complex. Journal of Cell Science, 2015, 128, 4083-95.	2.0	20

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55	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
56	Yeast Antizyme Mediates Degradation of Yeast Ornithine Decarboxylase by Yeast but Not by Mammalian Proteasome. Journal of Biological Chemistry, 2008, 283, 4528-4534.	3.4	19
57	T Cells Regulate Peripheral Naive Mature B Cell Survival by Cellâ€“Cell Contact Mediated through SLAMF6 and SAP. Journal of Immunology, 2017, 199, 2745-2757.	0.8	19
58	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
59	Mechanistic dissection of dominant AIRE mutations in mouse models reveals AIRE autoregulation. Journal of Experimental Medicine, 2021, 218, .	8.5	18
60	Injection of T3SS effectors not resulting in invasion is the main targeting mechanism ofShigellatoward human lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9954-9959.	7.1	17
61	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
62	Single cell imaging and quantification of TDP-43 and Î±-synuclein intercellular propagation. Scientific Reports, 2017, 7, 544.	3.3	16
63	The mitochondrial carrier Citrin plays a role in regulating cellular energy during carcinogenesis. Oncogene, 2020, 39, 164-175.	5.9	16
64	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
65	Shigellaimpairs human T lymphocyte responsiveness by hijacking actin cytoskeleton dynamics and T cell receptor vesicular trafficking. Cellular Microbiology, 2020, 22, e13166.	2.1	11
66	Measurement of lymphocyte aggregation by flow cytometryâ€“physiological implications in chronic lymphocytic leukemia. Cytometry Part B - Clinical Cytometry, 2016, 90, 257-266.	1.5	10
67	Rac1 functions downstream of miR-142 in regulation of erythropoiesis. Haematologica, 2017, 102, e476-e480.	3.5	9
68	Divergence in CD19-Mediated Signaling Unfolds Intraclonal Diversity in Chronic Lymphocytic Leukemia, Which Correlates with Disease Progression. Journal of Immunology, 2013, 190, 784-793.	0.8	8
69	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
70	Visual barcodes for clonal-multiplexing of live microscopy-based assays. Nature Communications, 2022, 13, 2725.	12.8	7
71	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
72	Sialylated Nâ€glycans mediate monocyte uptake of extracellular vesicles secreted from Plasmodium falciparumâ€infected red blood cells. , 2022, 1, .		6

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73	Shear flow-induced formation of tubular cell protrusions in multiple myeloma cells. Journal of Cellular Physiology, 2011, 226, 3197-3207.	4.1	5
74	A Multiparametric Assay to Evaluate Senescent Cells. Methods in Molecular Biology, 2019, 1896, 107-117.	0.9	5
75	Cellular localization and phosphorylation of Hrb1p is independent of Sky1p. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 207-213.	4.1	4
76	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
77	Co-regulation of polar mRNA transport and lifespan in budding yeastSaccharomyces cerevisiae. Cell Cycle, 2012, 11, 4275-4280.	2.6	3
78	Quantitative Identification of Senescent Cells in Cancer. Methods in Molecular Biology, 2019, 1884, 259-267.	0.9	3
79	Antibody-Free Labeling of Malaria-Derived Extracellular Vesicles Using Flow Cytometry. Biomedicines, 2020, 8, 98.	3.2	3
80	Monitoring Distribution Dynamics of EV RNA Cargo Within Recipient Monocytes and Macrophages. Frontiers in Cellular and Infection Microbiology, 2021, 11, 739628.	3.9	3
81	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
82	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
83	Applying imaging flow cytometry and immunofluorescence in studying the dynamic Golgi structure in cultured cells. STAR Protocols, 2022, 3, 101278.	1.2	2
84	A new function for the serine protease HtrA2 in controlling radiationâ€induced senescence in cancer cells. Molecular Oncology, 2022, 16, 1365-1383.	4.6	1
85	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
86	Microglia Control CNS T Regulatory Cell Activity During Remission From EAE Pathology. SSRN Electronic Journal, 0, , .	0.4	0
87	GSK3Î² regulates physiological migration of stem/progenitor cells via cytoskeletal rearrangement. Journal of Clinical Investigation, 2013, 123, 3183-3183.	8.2	0
88	Abstract SY26-03: Tumor suppressor crosstalk: Modulation of p53 activity by the Hippo pathway. , 2016, , .		0
89	Visualizing Active Viral Infection Reveals Diverse Cell Fates in Synchronized Algal Bloom Demise. SSRN Electronic Journal, 0, , .	0.4	0