Gil Levkowitz

List of Publications by Citations

50 papers	5,228 citations	27 h-index	72 g-index
72 ext. papers	5,668 ext. citations	7.4 avg, IF	4.77 L-index

#	Paper	IF	Citations
50	Ubiquitin ligase activity and tyrosine phosphorylation underlie suppression of growth factor signaling by c-Cbl/Sli-1. *Molecular Cell*, **1999**, 4, 1029-40	17.6	847
49	A hierarchical network of interreceptor interactions determines signal transduction by Neu differentiation factor/neuregulin and epidermal growth factor. *Molecular and Cellular Biology*, **1996** , 16, 5276-87	4.8	829
48	c-Cbl/Sli-1 regulates endocytic sorting and ubiquitination of the epidermal growth factor receptor. *Genes and Development*, **1998**, 12, 3663-74	12.6	678
47	Diversification of Neu differentiation factor and epidermal growth factor signaling by combinatorial receptor interactions.. *EMBO Journal*, **1996**, 15, 2452-2467	13	560
46	Neu differentiation factor is a neuron-glia signal and regulates survival, proliferation, and maturation of rat Schwann cell precursors. *Neuron*, **1995**, 15, 585-96	13.9	393
45	Passive amyloid immunotherapy clears amyloid and transiently activates microglia in a transgenic mouse model of amyloid deposition. *Journal of Neuroscience*, **2004**, 24, 6144-51	6.6	262
44	The RING finger of c-Cbl mediates desensitization of the epidermal growth factor receptor. *Journal of Biological Chemistry*, **1999**, 274, 22151-4	5.4	246
43	Bivalence of EGF-like ligands drives the ErbB signaling network. *EMBO Journal*, **1997**, 16, 4938-50	13	173
42	Differential expression of NDF/neuregulin receptors ErbB-3 and ErbB-4 and involvement in inhibition of neuronal differentiation. *Oncogene*, **1997**, 15, 2803-15	9.2	109
41	Pathogenic poxviruses reveal viral strategies to exploit the ErbB signaling network. *EMBO Journal*, **1998**, 17, 5948-63	13	102
40	An Immunological Approach Reveals Biological Differences between the Two NDF/Heregulin Receptors, ErbB-3 and ErbB-4. *Journal of Biological Chemistry*, **1996**, 271, 7620-7629	5.4	93
39	Zinc finger protein too few controls the development of monoaminergic neurons. *Nature Neuroscience*, **2003**, 6, 28-33	25.5	80
38	Specification of hypothalamic neurons by dual regulation of the homeodomain protein Orthopedia. *Development (Cambridge)*, **2007**, 134, 4417-26	6.6	79
37	Development of the zebrafish hypothalamus. *Annals of the New York Academy of Sciences*, **2011**, 1220, 93-105	6.5	63
36	Role of developmental factors in hypothalamic function. *Frontiers in Neuroanatomy*, **2015**, 9, 47	3.6	57
35	c-Cbl is a suppressor of the neu oncogene. *Journal of Biological Chemistry*, **2000**, 275, 35532-9	5.4	57
34	Alternative Splicing of the Pituitary Adenylate Cyclase-Activating Polypeptide Receptor PAC1: Mechanisms of Fine Tuning of Brain Activity. *Frontiers in Endocrinology*, **2013**, 4, 55	5.7	55

33	Homeodomain protein otp and activity-dependent splicing modulate neuronal adaptation to stress. *Neuron*, **2012**, 73, 279-91	13.9	47
32	The hypothalamic neuropeptide oxytocin is required for formation of the neurovascular interface of the pituitary. *Developmental Cell*, **2011**, 21, 642-54	10.2	41
31	Dopaminergic neuronal cluster size is determined during early forebrain patterning. *Development (Cambridge)*, **2008**, 135, 3401-13	6.6	40
30	Specific inhibition of splicing factor activity by decoy RNA oligonucleotides. *Nature Communications* , **2019**, 10, 1590	17.4	37
29	Cxcl12a-Cxcr4b signaling is important for proper development of the forebrain GnRH system in zebrafish. *General and Comparative Endocrinology*, **2010**, 165, 262-8	3	37
28	Involvement of c-Jun in the control of glucocorticoid receptor transcriptional activity during development of chicken retinal tissue.. *EMBO Journal*, **1994**, 13, 646-654	13	36
27	The metabolic regulator PGC-1 directly controls the expression of the hypothalamic neuropeptide oxytocin. *Journal of Neuroscience*, **2011**, 31, 14835-40	6.6	34
26	Nasal embryonic LHRH factor plays a role in the developmental migration and projection of gonadotropin-releasing hormone 3 neurons in zebrafish. *Developmental Dynamics*, **2009**, 238, 66-75	2.9	33
25	Homeodomain protein Otp affects developmental neuropeptide switching in oxytocin neurons associated with a long-term effect on social behavior. *ELife*, **2017**, 6,	8.9	33
24	Neural protein Olig2 acts upstream of the transcriptional regulator Sim1 to specify diencephalic dopaminergic neurons. *Developmental Dynamics*, **2009**, 238, 826-34	2.9	30
23	Pituicyte Cues Regulate the Development of Permeable Neuro-Vascular Interfaces. *Developmental Cell*, **2018**, 47, 711-726.e5	10.2	22
22	Oxytocin receptor signalling modulates novelty recognition but not social preference in zebrafish. *Journal of Neuroendocrinology*, **2020**, 32, e12834	3.8	17
21	Social creatures: Model animal systems for studying the neuroendocrine mechanisms of social behaviour. *Journal of Neuroendocrinology*, **2019**, 31, e12807	3.8	14
20	High resolution fate map of the zebrafish diencephalon. *Developmental Dynamics*, **2009**, 238, 1827-35	2.9	14
19	Perceptual mechanisms of social affiliation in zebrafish. *Scientific Reports*, **2020**, 10, 3642	4.9	13
18	The Dual Functional Reflecting Iris of the Zebrafish. *Advanced Science*, **2018**, 5, 1800338	13.6	13
17	Non-Mammalian Models for Neurohypophysial Peptides **2016**, 301-328		11
16	Visualization of mRNA expression in the zebrafish embryo. *Methods in Molecular Biology*, **2011**, 714, 83-102	1.4	10

15	Single-Cell Molecular and Cellular Architecture of the Mouse Neurohypophysis. *ENeuro*, **2020**, 7,	3.9	8
14	Robo2 regulates synaptic oxytocin content by affecting actin dynamics. *ELife*, **2019**, 8,	8.9	8
13	Development and Function of the Zebrafish Neuroendocrine System **2018**, 101-131		7
12	Splice-specific deficiency of the PTSD-associated gene PAC1 leads to a paradoxical age-dependent stress behavior. *Scientific Reports*, **2020**, 10, 9559	4.9	6
11	Genome Editing Reveals Idiosyncrasy of CNGA2 Ion Channel-Directed Antibody Immunoreactivity Toward Oxytocin. *Frontiers in Cell and Developmental Biology*, **2018**, 6, 117	5.7	6
10	Developmental Effects of Oxytocin Neurons on Social Affiliation and Processing of Social Information. *Journal of Neuroscience*, **2021**, 41, 8742-8760	6.6	6
9	Genetic variation in the social environment affects behavioral phenotypes of oxytocin receptor mutants in zebrafish. *ELife*, **2020**, 9,	8.9	5
8	The fenestrae-associated protein Plvap regulates the rate of blood-borne protein passage into the hypophysis. *Development (Cambridge)*, **2019**, 146,	6.6	5
7	The neurohypophysis: fishing for new insights. *Journal of Neuroendocrinology*, **2012**, 24, 973-4	3.8	4
6	Two-photon-based photoactivation in live zebrafish embryos. *Journal of Visualized Experiments*, **2010**,	1.6	4
5	Zebrafish Reel in Phenotypic Suppressors of Autism. *Neuron*, **2016**, 89, 673-5	13.9	3
4	Smells Familiar: Pheromone-Induced Neurotransmitter Switching Mediates Social Discrimination. *Neuron*, **2017**, 95, 1229-1231	13.9	1
3	The Neurohypophysis and Urophysis: Ancient Piscine Neurovascular Interfaces. *Masterclass in Neuroendocrinology*, **2021**, 95-118	0.2	0
2	The not-so-long history of zebrafish research in Israel. *International Journal of Developmental Biology*, **2017**, 61, 149-157	1.9	
1	[ST4]: Dopaminergic neuronal cluster size is determined during early forebrain patterning. *International Journal of Developmental Neuroscience*, **2008**, 26, 833-833	2.7	