

# Orly Reiner

## List of Publications by Year in descending order

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115  
papers

11,301  
citations

57758

44  
h-index

29157

104  
g-index

180  
all docs

180  
docs citations

180  
times ranked

10524  
citing authors

#	ARTICLE	IF	CITATIONS
1	Constitutive activation of canonical Wnt signaling disrupts choroid plexus epithelial fate. Nature Communications, 2022, 13, 633.	12.8	28
2	Introducing <i>Oxford Open Neuroscience</i> , 2022, 1, .		0
3	Brain Organization and Human Diseases. Cells, 2022, 11, 1642.	4.1	8
4	Using multi-organ culture systems to study Parkinson's disease. Molecular Psychiatry, 2021, 26, 725-735.	7.9	16
5	Modeling human neuronal migration deficits in 3D. Current Opinion in Neurobiology, 2021, 66, 30-36.	4.2	4
6	Dynamics of cortical progenitors and production of subcerebral neurons are altered in embryos of a maternal inflammation model for autism. Molecular Psychiatry, 2021, 26, 1535-1550.	7.9	19
7	Use of iPSC-derived brain organoids to study human brain evolution. , 2021, , 157-177.		1
8	Editorial: Complement in the Development and Regeneration of the Nervous System. Frontiers in Immunology, 2021, 12, 694810.	4.8	0
9	International consensus recommendations on the diagnostic work-up for malformations of cortical development. Nature Reviews Neurology, 2020, 16, 618-635.	10.1	53
10	Toward Spatial Identities in Human Brain Organoids-on-Chip Induced by Morphogen-Soaked Beads. Bioengineering, 2020, 7, 164.	3.5	15
11	Brain organoids as a model system for human neurodevelopment in health and disease. , 2020, , 205-221.		0
12	Complement System in Brain Architecture and Neurodevelopmental Disorders. Frontiers in Neuroscience, 2020, 14, 23.	2.8	66
13	Nucleokinesis. , 2020, , 305-322.		1
14	Building Bridges Between the Clinic and the Laboratory: A Meeting Review " Brain Malformations: A Roadmap for Future Research. Frontiers in Cellular Neuroscience, 2019, 13, 434.	3.7	3
15	Interplay of LIS1 and MeCP2: Interactions and Implications With the Neurodevelopmental Disorders Lissencephaly and Rett Syndrome. Frontiers in Cellular Neuroscience, 2019, 13, 370.	3.7	12
16	Brain Organoids "A Bottom-Up Approach for Studying Human Neurodevelopment. Bioengineering, 2019, 6, 9.	3.5	45
17	The HERV-K accessory protein Np9 controls viability and migration of teratocarcinoma cells. PLoS ONE, 2019, 14, e0212970.	2.5	32
18	The Interactome of Palmitoyl-Protein Thioesterase 1 (PPT1) Affects Neuronal Morphology and Function. Frontiers in Cellular Neuroscience, 2019, 13, 92.	3.7	25

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19	Cortical progenitor biology: key features mediating proliferation versus differentiation. <i>Journal of Neurochemistry</i> , 2018, 146, 500-525.	3.9	77
20	Human brain organoids on a chip reveal the physics of folding. <i>Nature Physics</i> , 2018, 14, 515-522.	16.7	311
21	A Coated Sponge: Toward Neonatal Brain Repair. <i>Cell Stem Cell</i> , 2018, 22, 3-4.	11.1	8
22	Notch Activation by Shootin1 Opposing Activities on 2 Ubiquitin Ligases. <i>Cerebral Cortex</i> , 2018, 28, 3115-3128.	2.9	9
23	An On-Chip Method for Long-Term Growth and Real-Time Imaging of Brain Organoids. <i>Current Protocols in Cell Biology</i> , 2018, 81, e62.	2.3	14
24	Complement C3 Affects Rac1 Activity in the Developing Brain. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 150.	2.9	13
25	Developmental activities of the complement pathway in migrating neurons. <i>Nature Communications</i> , 2017, 8, 15096.	12.8	83
26	Proteomics insights into infantile neuronal ceroid lipofuscinosis (CLN1) point to the involvement of cilia pathology in the disease. <i>Human Molecular Genetics</i> , 2017, 26, 1678-1678.	2.9	14
27	Serp1/C1 Inhibitor Affects Cortical Development in a Cell Autonomous and Non-cell Autonomous Manner. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 169.	3.7	32
28	Reversible Cysteine Acylation Regulates the Activity of Human Palmitoyl-Protein Thioesterase 1 (PPT1). <i>PLoS ONE</i> , 2016, 11, e0146466.	2.5	29
29	Modeling the autistic cell: iPSCs recapitulate developmental principles of syndromic and nonsyndromic ASD. <i>Development Growth and Differentiation</i> , 2016, 58, 481-491.	1.5	16
30	Regulation of neuronal migration, an emerging topic in autism spectrum disorders. <i>Journal of Neurochemistry</i> , 2016, 136, 440-456.	3.9	89
31	Non-cell autonomous and non-catalytic activities of ATX in the developing brain. <i>Frontiers in Neuroscience</i> , 2015, 9, 53.	2.8	21
32	The Spinal Muscular Atrophy with Pontocerebellar Hypoplasia Gene <i>VRK1</i> Regulates Neuronal Migration through an Amyloid- $\beta$ Precursor Protein-Dependent Mechanism. <i>Journal of Neuroscience</i> , 2015, 35, 936-942.	3.6	36
33	Passage Number is a Major Contributor to Genomic Structural Variations in Mouse iPSCs. <i>Stem Cells</i> , 2014, 32, 2657-2667.	3.2	40
34	Mark/Par-1 Marking the Polarity of Migrating Neurons. <i>Advances in Experimental Medicine and Biology</i> , 2014, 800, 97-111.	1.6	15
35	Shootin1 Acts in Concert with KIF20B to Promote Polarization of Migrating Neurons. <i>Journal of Neuroscience</i> , 2013, 33, 11932-11948.	3.6	50
36	LIS1 functions in normal development and disease. <i>Current Opinion in Neurobiology</i> , 2013, 23, 951-956.	4.2	87

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37	Microtubule dynamics alter the interphase nucleus. Cellular and Molecular Life Sciences, 2013, 70, 1255-1268.	5.4	34
38	Nucleokinesis. , 2013, , 261-279.		0
39	LIS1 and DCX: Implications for Brain Development and Human Disease in Relation to Microtubules. Scientifica, 2013, 2013, 1-17.	1.7	43
40	Generation of Topically Transgenic Rats by <i>In utero</i> Electroporation and <i>In vivo</i> Bioluminescence Screening. Journal of Visualized Experiments, 2013, , e50146.	0.3	6
41	Loss of PAFAH1B2 Reduces Amyloid- $\beta^2$ Generation by Promoting the Degradation of Amyloid Precursor Protein C-Terminal Fragments. Journal of Neuroscience, 2012, 32, 18204-18214.	3.6	23
42	Tau's role in the developing brain: implications for intellectual disability. Human Molecular Genetics, 2012, 21, 1681-1692.	2.9	69
43	Ndel1-derived peptides modulate bidirectional transport of injected beads in the squid giant axon. Biology Open, 2012, 1, 220-231.	1.2	13
44	MARK2/Par-1 guides the directionality of neuroblasts migrating to the olfactory bulb. Molecular and Cellular Neurosciences, 2012, 49, 97-103.	2.2	27
45	Use of RNA Interference by In Utero Electroporation to Study Cortical Development: The Example of the Doublecortin Superfamily. Genes, 2012, 3, 759-778.	2.4	6
46	Interkinetic Nuclear Movement in the Ventricular Zone of the Cortex. Journal of Molecular Neuroscience, 2012, 46, 516-526.	2.3	30
47	Linking cytoplasmic dynein and transport of Rab8 vesicles to the midbody during cytokinesis by the doublecortin domain-containing 5 protein. Journal of Cell Science, 2011, 124, 3989-4000.	2.0	41
48	Stress-Activated Protein Kinase MKK7 Regulates Axon Elongation in the Developing Cerebral Cortex. Journal of Neuroscience, 2011, 31, 16872-16883.	3.6	64
49	Ndel1 palmitoylation: a new mean to regulate cytoplasmic dynein activity. EMBO Journal, 2010, 29, 107-119.	7.8	49
50	PAF-AH catalytic subunits modulate the Wnt pathway in developing GABAergic neurons. Frontiers in Cellular Neuroscience, 2010, 4, .	3.7	22
51	A JIP3-Regulated GSK3 $\beta^2$ /DCX Signaling Pathway Restricts Axon Branching. Journal of Neuroscience, 2010, 30, 16766-16776.	3.6	51
52	Neuronal Migration and Neurodegeneration: 2 Sides of the Same Coin. Cerebral Cortex, 2009, 19, i42-i48.	2.9	15
53	Polarity Regulation in Migrating Neurons in the Cortex. Molecular Neurobiology, 2009, 40, 1-14.	4.0	46
54	Increased LIS1 expression affects human and mouse brain development. Nature Genetics, 2009, 41, 168-177.	21.4	199

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55	Gene trapping: An antibody-dependent approach for verifying integration in your favorite gene. Cellular and Molecular Biology Letters, 2008, 13, 614-20.	7.0	0
56	Antagonistic Effects of Doublecortin and MARK2/Par-1 in the Developing Cerebral Cortex. Journal of Neuroscience, 2008, 28, 13008-13013.	3.6	50
57	Doublecortin Supports the Development of Dendritic Arbors in Primary Hippocampal Neurons. Developmental Neuroscience, 2008, 30, 187-199.	2.0	50
58	Accurate Balance of the Polarity Kinase MARK2/Par-1 Is Required for Proper Cortical Neuronal Migration. Journal of Neuroscience, 2008, 28, 5710-5720.	3.6	100
59	Postnatal alterations of the inhibitory synaptic responses recorded from cortical pyramidal neurons in the Lis1/sLis1 mutant mouse. Molecular and Cellular Neurosciences, 2007, 35, 220-229.	2.2	16
60	Migration Cues Induce Chromatin Alterations. Traffic, 2007, 8, 1521-1529.	2.7	49
61	Site-specific dephosphorylation of doublecortin (DCX) by protein phosphatase 1 (PP1). Molecular and Cellular Neurosciences, 2006, 32, 15-26.	2.2	46
62	Doublecortin-like Kinase Controls Neurogenesis by Regulating Mitotic Spindles and M Phase Progression. Neuron, 2006, 49, 25-39.	8.1	131
63	Variations in genes regulating neuronal migration predict reduced prefrontal cognition in schizophrenia and bipolar subjects from mediterranean Spain: A preliminary study. Neuroscience, 2006, 139, 1289-1300.	2.3	47
64	Mutations in genes regulating neuronal migration predict reduced prefrontal cognition in schizophrenia and bipolar disorder: a preliminary study. Annals of General Psychiatry, 2006, 5, 1.	2.7	0
65	Cdk5 checks p27kip1 in neuronal migration. Nature Cell Biology, 2006, 8, 11-13.	10.3	4
66	Lissencephaly 1 Linking to Multiple Diseases: Mental Retardation, Neurodegeneration, Schizophrenia, Male Sterility, and More. NeuroMolecular Medicine, 2006, 8, 547-566.	3.4	37
67	The evolving doublecortin (DCX) superfamily. BMC Genomics, 2006, 7, 188.	2.8	100
68	The DCX Superfamily 1: Common and Divergent Roles for Members of the Mouse DCX Superfamily. Cell Cycle, 2006, 5, 976-983.	2.6	62
69	Binding of microtubule-associated protein 1B to LIS1 affects the interaction between dynein and LIS1. Biochemical Journal, 2005, 389, 333-341.	3.7	38
70	Similarities and Differences Between the Wnt and Reelin Pathways in the Forming Brain. Molecular Neurobiology, 2005, 31, 117-134.	4.0	8
71	Missense mutations resulting in type 1 lissencephaly. Cellular and Molecular Life Sciences, 2005, 62, 425-434.	5.4	14
72	Novel Functional Features of the LIS-H Domain: Role in Protein Dimerization, Half-Life and Cellular Localization. Cell Cycle, 2005, 4, 1632-1640.	2.6	74

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73	HIV-1 Tat interacts with LIS1 protein. <i>Retrovirology</i> , 2005, 2, 6.	2.0	29
74	DCXs Phosphorylation by Not Just aNother Kinase (JNK). <i>Cell Cycle</i> , 2004, 3, 745-749.	2.6	27
75	DCX, a new mediator of the JNK pathway. <i>EMBO Journal</i> , 2004, 23, 823-832.	7.8	200
76	The Structure of the N-Terminal Domain of the Product of the Lissencephaly Gene Lis1 and Its Functional Implications. <i>Structure</i> , 2004, 12, 987-998.	3.3	106
77	DCX's phosphorylation by not just another kinase (JNK). <i>Cell Cycle</i> , 2004, 3, 747-51.	2.6	13
78	A study of the nature of embryonic lethality in <i>LIS1</i> <sup>Δ/Δ</sup> Mice. <i>Molecular Reproduction and Development</i> , 2003, 66, 134-142.	2.0	22
79	LIS1 Missense Mutations. <i>Journal of Biological Chemistry</i> , 2003, 278, 38740-38748.	3.4	29
80	Alternative Splice Variants of Doublecortin-like Kinase Are Differentially Expressed and Have Different Kinase Activities. <i>Journal of Biological Chemistry</i> , 2002, 277, 17696-17705.	3.4	73
81	LIS1, CLIP-170's Key to the Dynein/Dynactin Pathway. <i>Molecular and Cellular Biology</i> , 2002, 22, 3089-3102.	2.3	222
82	LIS1 "no more no less. <i>Molecular Psychiatry</i> , 2002, 7, 12-16.	7.9	70
83	Pathways of neuronal migration. <i>Nature Genetics</i> , 2002, 32, 341-342.	21.4	1
84	Targeted mutagenesis of <i>Lis1</i> disrupts cortical development and LIS1 homodimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 6429-6434.	7.1	139
85	Cleavage of Doublecortin-like Kinase by Calpain Releases an Active Kinase Fragment from a Microtubule Anchorage Domain. <i>Journal of Biological Chemistry</i> , 2001, 276, 36397-36403.	3.4	48
86	DCX in PC12 cells: CREB-mediated transcription and neurite outgrowth. <i>Human Molecular Genetics</i> , 2001, 10, 1061-1070.	2.9	33
87	Homologs of the $\alpha$ - and $\beta$ -subunits of mammalian brain platelet-activating factor acetylhydrolase Ib in the <i>Drosophila melanogaster</i> genome. , 2000, 39, 1-8.		25
88	Expression of chLIS1, a chicken homolog of LIS1. <i>Development Genes and Evolution</i> , 2000, 210, 51-54.	0.9	3
89	Interaction between LIS1 and doublecortin, two lissencephaly gene products. <i>Human Molecular Genetics</i> , 2000, 9, 2205-2213.	2.9	138
90	Doublecortin mutations cluster in evolutionarily conserved functional domains. <i>Human Molecular Genetics</i> , 2000, 9, 703-712.	2.9	115

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91	Doublecortin-like Kinase Is Associated with Microtubules in Neuronal Growth Cones. <i>Molecular and Cellular Neurosciences</i> , 2000, 16, 529-541.	2.2	83
92	LIS1. <i>Neuron</i> , 2000, 28, 633-636.	8.1	56
93	Evidence for the involvement of the hippocampus in the pathophysiology of schizophrenia. <i>European Neuropsychopharmacology</i> , 2000, 10, 389-395.	0.7	66
94	Doublecortin, a Stabilizer of Microtubules. <i>Human Molecular Genetics</i> , 1999, 8, 1599-1610.	2.9	245
95	LIS1 is a microtubule-associated phosphoprotein. <i>FEBS Journal</i> , 1999, 265, 181-188.	0.2	53
96	Analysis of lissencephaly-causing LIS1 mutations. <i>FEBS Journal</i> , 1999, 266, 1011-1020.	0.2	33
97	The unfolding story of two lissencephaly genes and brain development. <i>Molecular Neurobiology</i> , 1999, 20, 143-156.	4.0	14
98	Platelet-activating factor (PAF) acetylhydrolase activity, LIS1 expression, and seizures. <i>Journal of Neuroscience Research</i> , 1999, 57, 176-184.	2.9	18
99	KIAA0369, doublecortin-like kinase, is expressed during brain development. <i>Journal of Neuroscience Research</i> , 1999, 58, 567-575.	2.9	72
100	Doublecortin Is a Developmentally Regulated, Microtubule-Associated Protein Expressed in Migrating and Differentiating Neurons. <i>Neuron</i> , 1999, 23, 247-256.	8.1	936
101	LIS1 and platelet-activating factor acetylhydrolase (Ib) catalytic subunits, expression in the mouse oocyte and zygote. <i>FEBS Letters</i> , 1999, 451, 99-102.	2.8	12
102	The lissencephaly gene product Lis1, a protein involved in neuronal migration, interacts with a nuclear movement protein, NudC. <i>Current Biology</i> , 1998, 8, 603-606.	3.9	135
103	Reduction of microtubule catastrophe events by LIS1, platelet-activating factor acetylhydrolase subunit. <i>EMBO Journal</i> , 1997, 16, 6977-6984.	7.8	282
104	Folding of Proteins with WD-Repeats: A Comparison of Six Members of the WD-Repeat Superfamily to the G Protein $\beta$ Subunit. <i>Biochemistry</i> , 1996, 35, 13985-13994.	2.5	178
105	Function of 14-3-3 proteins. <i>Nature</i> , 1996, 382, 308-308.	27.8	2
106	Lissencephaly gene (LIS1) expression in the CNS suggests a role in neuronal migration. <i>Journal of Neuroscience</i> , 1995, 15, 3730-3738.	3.6	113
107	LIS2, Gene and Pseudogene, Homologous to LIS1 (Lissencephaly 1), Located on the Short and Long Arms of Chromosome 2. <i>Genomics</i> , 1995, 30, 251-256.	2.9	17
108	Isolation of a Miller-Dicker lissencephaly gene containing G protein $\beta$ -subunit-like repeats. <i>Nature</i> , 1993, 364, 717-721.	27.8	1,036

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109	Four STR polymorphisms map to a 500 kb region between DXS15 and DXS134. <i>Human Molecular Genetics</i> , 1993, 2, 1503-1503.	2.9	22
110	Identification of a gene (FMR-1) containing a CGG repeat coincident with a breakpoint cluster region exhibiting length variation in fragile X syndrome. <i>Cell</i> , 1991, 65, 905-914.	28.9	3,285
111	The human glucocerebrosidase gene and pseudogene: Structure and evolution. <i>Genomics</i> , 1989, 4, 87-96.	2.9	396
112	Structural Analysis of the Human Glucocerebrosidase Genes. <i>DNA and Cell Biology</i> , 1988, 7, 107-116.	5.2	45
113	Differential expression of the human glucocerebrosidase-coding gene. <i>Gene</i> , 1988, 73, 469-478.	2.2	31
114	Efficient In Vitro and In Vivo Expression of Human Glucocerebrosidase cDNA. <i>DNA and Cell Biology</i> , 1987, 6, 101-108.	5.2	39
115	Isolation of a Miller-Dicker lissencephaly gene containing G protein $\beta^2$ -subunit-like repeats. , 0, .		1