

# Arkady Khoutorsky

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2613735/publications.pdf>

Version: 2024-02-01

28  
papers

2,158  
citations

304743

22  
h-index

501196

28  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autism-related deficits via dysregulated eIF4E-dependent translational control. <i>Nature</i> , 2013, 493, 371-377.	27.8	451
2	Targeting Adenosine Monophosphate-Activated Protein Kinase (AMPK) in Preclinical Models Reveals a Potential Mechanism for the Treatment of Neuropathic Pain. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-70.	2.1	189
3	Pharmacogenetic Inhibition of eIF4E-Dependent Mmp9 mRNA Translation Reverses Fragile X Syndrome-like Phenotypes. <i>Cell Reports</i> , 2014, 9, 1742-1755.	6.4	174
4	Metformin ameliorates core deficits in a mouse model of fragile X syndrome. <i>Nature Medicine</i> , 2017, 23, 674-677.	30.7	164
5	Reactivation of stalled polyribosomes in synaptic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16205-16210.	7.1	149
6	The MNK-eIF4E Signaling Axis Contributes to Injury-Induced Nociceptive Plasticity and the Development of Chronic Pain. <i>Journal of Neuroscience</i> , 2017, 37, 7481-7499.	3.6	106
7	Nociceptor Translational Profiling Reveals the Ragulator-Rag GTPase Complex as a Critical Generator of Neuropathic Pain. <i>Journal of Neuroscience</i> , 2019, 39, 393-411.	3.6	95
8	Unique Interweaved Microtubule Scaffold Mediates Osmosensory Transduction via Physical Interaction with TRPV1. <i>Neuron</i> , 2014, 83, 866-878.	8.1	94
9	Translational Control Mechanisms in Persistent Pain. <i>Trends in Neurosciences</i> , 2018, 41, 100-114.	8.6	91
10	Epiregulin and EGFR interactions are involved in pain processing. <i>Journal of Clinical Investigation</i> , 2017, 127, 3353-3366.	8.2	85
11	mTORC1 inhibition induces pain via IRS-1-dependent feedback activation of ERK. <i>Pain</i> , 2013, 154, 1080-1091.	4.2	79
12	Control of Synaptic Plasticity and Memory via Suppression of Poly(A)-Binding Protein. <i>Neuron</i> , 2013, 78, 298-311.	8.1	65
13	Inhibition of Group I Metabotropic Glutamate Receptors Reverses Autistic-Like Phenotypes Caused by Deficiency of the Translation Repressor eIF4E Binding Protein 2. <i>Journal of Neuroscience</i> , 2015, 35, 11125-11132.	3.6	48
14	Translational profiling of dorsal root ganglia and spinal cord in a mouse model of neuropathic pain. <i>Neurobiology of Pain (Cambridge, Mass)</i> , 2018, 4, 35-44.	2.5	45
15	Multifaceted Regulation of Somatic Cell Reprogramming by mRNA Translational Control. <i>Cell Stem Cell</i> , 2014, 14, 606-616.	11.1	39
16	eIF4E-Dependent Translational Control: A Central Mechanism for Regulation of Pain Plasticity. <i>Frontiers in Genetics</i> , 2018, 9, 470.	2.3	39
17	eIF2 $\pm$ phosphorylation controls thermal nociception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11949-11954.	7.1	37
18	mTORC2 Balances AKT Activation and eIF2 $\pm$ Serine 51 Phosphorylation to Promote Survival under Stress. <i>Molecular Cancer Research</i> , 2015, 13, 1377-1388.	3.4	35

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19	mTOR kinase is needed for the development and stabilization of dendritic arbors in newly born olfactory bulb neurons. <i>Developmental Neurobiology</i> , 2016, 76, 1308-1327.	3.0	35
20	Translational control of nociception via 4E-binding protein 1. <i>ELife</i> , 2015, 4, .	6.0	34
21	eIF4E Phosphorylation Influences Bdnf mRNA Translation in Mouse Dorsal Root Ganglion Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 29.	3.7	33
22	Translational Control of Chronic Pain. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 131, 185-213.	1.7	25
23	Dysregulation of translational control signaling in autism spectrum disorders. <i>Cellular Signalling</i> , 2020, 75, 109746.	3.6	10
24	4E-BP2-dependent translation in parvalbumin neurons controls epileptic seizure threshold. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
25	Monitoring translation in synaptic fractions using a ribosome profiling strategy. <i>Journal of Neuroscience Methods</i> , 2020, 329, 108456.	2.5	7
26	Intranasal insulin rescues repeated anesthesia-induced deficits in synaptic plasticity and memory and prevents apoptosis in neonatal mice via mTORC1. <i>Scientific Reports</i> , 2021, 11, 15490.	3.3	7
27	Uncovering memory-related gene expression in contextual fear conditioning using ribosome profiling. <i>Progress in Neurobiology</i> , 2021, 197, 101903.	5.7	6
28	4E-BP2-dependent translation in cerebellar Purkinje cells controls spatial memory but not autism-like behaviors. <i>Cell Reports</i> , 2021, 35, 109036.	6.4	2