

# Dmytro Puchkov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1600870/publications.pdf>

Version: 2024-02-01

41  
papers

3,033  
citations

218677

26  
h-index

265206

42  
g-index

42  
all docs

42  
docs citations

42  
times ranked

5397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of the Clathrin Terminal Domain in Regulating Coated Pit Dynamics Revealed by Small Molecule Inhibition. <i>Cell</i> , 2011, 146, 471-484.	28.9	459
2	Spatiotemporal control of endocytosis by phosphatidylinositol-3,4-bisphosphate. <i>Nature</i> , 2013, 499, 233-237.	27.8	362
3	Clathrin/AP-2 Mediate Synaptic Vesicle Reformation from Endosome-like Vacuoles but Are Not Essential for Membrane Retrieval at Central Synapses. <i>Neuron</i> , 2014, 82, 981-988.	8.1	181
4	A phosphoinositide conversion mechanism for exit from endosomes. <i>Nature</i> , 2016, 529, 408-412.	27.8	162
5	Synaptic Vesicle Endocytosis Occurs on Multiple Timescales and Is Mediated by Formin-Dependent Actin Assembly. <i>Neuron</i> , 2017, 93, 854-866.e4.	8.1	144
6	Molecular basis for SH3 domain regulation of F-BAR-mediated membrane deformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8213-8218.	7.1	138
7	Retrograde transport of TrkB-containing autophagosomes via the adaptor AP-2 mediates neuronal complexity and prevents neurodegeneration. <i>Nature Communications</i> , 2017, 8, 14819.	12.8	130
8	SNARE motif-mediated sorting of synaptobrevin by the endocytic adaptors clathrin assembly lymphoid myeloid leukemia (CALM) and AP180 at synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13540-13545.	7.1	123
9	Complete suppression of Htt fibrilization and disaggregation of Htt fibrils by a trimeric chaperone complex. <i>EMBO Journal</i> , 2018, 37, 282-299.	7.8	115
10	Greasing the synaptic vesicle cycle by membrane lipids. <i>Trends in Cell Biology</i> , 2013, 23, 493-503.	7.9	95
11	Neuronal Autophagy Regulates Presynaptic Neurotransmission by Controlling the Axonal Endoplasmic Reticulum. <i>Neuron</i> , 2021, 109, 299-313.e9.	8.1	91
12	Lysosomal Dysfunction Caused by Cellular Accumulation of Silica Nanoparticles. <i>Journal of Biological Chemistry</i> , 2016, 291, 14170-14184.	3.4	89
13	The Adhesion Molecule CHL1 Regulates Uncoating of Clathrin-Coated Synaptic Vesicles. <i>Neuron</i> , 2006, 52, 1011-1025.	8.1	86
14	Compromised fidelity of endocytic synaptic vesicle protein sorting in the absence of stonin 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E526-35.	7.1	78
15	Vesicular Synaptobrevin/VAMP2 Levels Guarded by AP180 Control Efficient Neurotransmission. <i>Neuron</i> , 2015, 88, 330-344.	8.1	76
16	Regulation of body weight and energy homeostasis by neuronal cell adhesion molecule 1. <i>Nature Neuroscience</i> , 2017, 20, 1096-1103.	14.8	59
17	Tight junctions in the blood-brain barrier promote edema formation and infarct size in stroke - Ambivalent effects of sealing proteins. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 132-145.	4.3	58
18	Overlapping functions of stonin 2 and SV2 in sorting of the calcium sensor synaptotagmin 1 to synaptic vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7297-7302.	7.1	54

#	ARTICLE	IF	CITATIONS
19	Intersectin associates with synapsin and regulates its nanoscale localization and function. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12057-12062.	7.1	47
20	The Neural Cell Adhesion Molecule Promotes Maturation of the Presynaptic Endocytotic Machinery by Switching Synaptic Vesicle Recycling from Adaptor Protein 3 (AP-3)- to AP-2-Dependent Mechanisms. Journal of Neuroscience, 2013, 33, 16828-16845.	3.6	43
21	Loss of the Na <sup>+</sup> /H <sup>+</sup> exchanger NHE8 causes male infertility in mice by disrupting acrosome formation. Journal of Biological Chemistry, 2017, 292, 10845-10854.	3.4	38
22	A Presynaptic Role for the Cytomatrix Protein GIT in Synaptic Vesicle Recycling. Cell Reports, 2014, 7, 1417-1425.	6.4	35
23	Endocytic regulation of cellular ion homeostasis controls lysosome biogenesis. Nature Cell Biology, 2020, 22, 815-827.	10.3	33
24	LRRC8/VRAC anion channels are required for late stages of spermatid development in mice. Journal of Biological Chemistry, 2018, 293, 11796-11808.	3.4	32
25	NCAM/Spectrin Complex Disassembly Results in PSD Perforation and Postsynaptic Endocytic Zone Formation. Cerebral Cortex, 2011, 21, 2217-2232.	2.9	31
26	Multicolor Caged dSTORM Resolves the Ultrastructure of Synaptic Vesicles in the Brain. Angewandte Chemie - International Edition, 2015, 54, 13230-13235.	13.8	31
27	Uncoupling endosomal <scp>CLC</scp> chloride/proton exchange causes severe neurodegeneration. EMBO Journal, 2020, 39, e103358.	7.8	29
28	The GTPase ARFRP1 controls the lipidation of chylomicrons in the Golgi of the intestinal epithelium. Human Molecular Genetics, 2012, 21, 3128-3142.	2.9	26
29	Pknox1/Prep1 Regulates Mitochondrial Oxidative Phosphorylation Components in Skeletal Muscle. Molecular and Cellular Biology, 2014, 34, 290-298.	2.3	24
30	Atp6ap2 deletion causes extensive vacuolation that consumes the insulin content of pancreatic $\beta^2$ cells. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19983-19988.	7.1	23
31	A SEPT1-based scaffold is required for Golgi integrity and function. Journal of Cell Science, 2019, 132, .	2.0	21
32	Muscular Dystrophy Mutations Impair the Nuclear Envelope Emerin Self-assembly Properties. ACS Chemical Biology, 2015, 10, 2733-2742.	3.4	16
33	Phosphatidylinositol 3,4-bisphosphate synthesis and turnover are spatially segregated in the endocytic pathway. Journal of Biological Chemistry, 2020, 295, 1091-1104.	3.4	15
34	AP180 and CALM. Cellular Logistics, 2011, 1, 168-172.	0.9	14
35	Disruption of Kcc2-dependent inhibition of olfactory bulb output neurons suggests its importance in odour discrimination. Nature Communications, 2016, 7, 12043.	12.8	14
36	Rab2 regulates presynaptic precursor vesicle biogenesis at the trans-Golgi. Journal of Cell Biology, 2021, 220, .	5.2	14

#	ARTICLE	IF	CITATIONS
37	Phosphatidylinositol 3,4-bisphosphate synthesis and turnover are spatially segregated in the endocytic pathway. <i>Journal of Biological Chemistry</i> , 2020, 295, 1091-1104.	3.4	12
38	The noncanonical small heat shock protein HSP-17 from <i>Caenorhabditis elegans</i> is a selective protein aggregase. <i>Journal of Biological Chemistry</i> , 2020, 295, 3064-3079.	3.4	9
39	Role of the Clathrin Terminal Domain in Regulating Coated Pit Dynamics Revealed by Small Molecule Inhibition. <i>Cell</i> , 2011, 146, 841.	28.9	8
40	Inositol triphosphate-triggered calcium release from the endoplasmic reticulum induces lysosome biogenesis via TFEB/TFE3. <i>Journal of Biological Chemistry</i> , 2022, 298, 101740.	3.4	7
41	Endosomal phosphatidylinositol 3-phosphate controls synaptic vesicle cycling and neurotransmission. <i>EMBO Journal</i> , 2022, 41, e109352.	7.8	5