

# Dmytro Puchkov

## List of Publications by Year in descending order

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41  
papers

3,033  
citations

218381

26  
h-index

264894

42  
g-index

42  
all docs

42  
docs citations

42  
times ranked

5397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inositol triphosphate-triggered calcium release from the endoplasmic reticulum induces lysosome biogenesis via TFE3. <i>Journal of Biological Chemistry</i> , 2022, 298, 101740.	1.6	7
2	Endosomal phosphatidylinositol 3-phosphate controls synaptic vesicle cycling and neurotransmission. <i>EMBO Journal</i> , 2022, 41, e109352.	3.5	5
3	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.	2.4	58
4	Neuronal Autophagy Regulates Presynaptic Neurotransmission by Controlling the Axonal Endoplasmic Reticulum. <i>Neuron</i> , 2021, 109, 299-313.e9.	3.8	91
5	Rab2 regulates presynaptic precursor vesicle biogenesis at the trans-Golgi. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	14
6	Phosphatidylinositol 3,4-bisphosphate synthesis and turnover are spatially segregated in the endocytic pathway. <i>Journal of Biological Chemistry</i> , 2020, 295, 1091-1104.	1.6	12
7	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.	1.6	9
8	Endocytic regulation of cellular ion homeostasis controls lysosome biogenesis. <i>Nature Cell Biology</i> , 2020, 22, 815-827.	4.6	33
9	Uncoupling endosomal chloride/proton exchange causes severe neurodegeneration. <i>EMBO Journal</i> , 2020, 39, e103358.	3.5	29
10	Phosphatidylinositol 3,4-bisphosphate synthesis and turnover are spatially segregated in the endocytic pathway. <i>Journal of Biological Chemistry</i> , 2020, 295, 1091-1104.	1.6	15
11	Atp6ap2 deletion causes extensive vacuolation that consumes the insulin content of pancreatic $\beta^2$ cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19983-19988.	3.3	23
12	A SEPT1-based scaffold is required for Golgi integrity and function. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	21
13	Complete suppression of Htt fibrilization and disaggregation of Htt fibrils by a trimeric chaperone complex. <i>EMBO Journal</i> , 2018, 37, 282-299.	3.5	115
14	LRRC8/VRAC anion channels are required for late stages of spermatid development in mice. <i>Journal of Biological Chemistry</i> , 2018, 293, 11796-11808.	1.6	32
15	Synaptic Vesicle Endocytosis Occurs on Multiple Timescales and Is Mediated by Formin-Dependent Actin Assembly. <i>Neuron</i> , 2017, 93, 854-866.e4.	3.8	144
16	Loss of the Na <sup>+</sup> /H <sup>+</sup> exchanger NHE8 causes male infertility in mice by disrupting acrosome formation. <i>Journal of Biological Chemistry</i> , 2017, 292, 10845-10854.	1.6	38
17	Regulation of body weight and energy homeostasis by neuronal cell adhesion molecule 1. <i>Nature Neuroscience</i> , 2017, 20, 1096-1103.	7.1	59
18	Retrograde transport of TrkB-containing autophagosomes via the adaptor AP-2 mediates neuronal complexity and prevents neurodegeneration. <i>Nature Communications</i> , 2017, 8, 14819.	5.8	130

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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.	3.3	47
20	Disruption of Kcc2-dependent inhibition of olfactory bulb output neurons suggests its importance in odour discrimination. Nature Communications, 2016, 7, 12043.	5.8	14
21	Lysosomal Dysfunction Caused by Cellular Accumulation of Silica Nanoparticles. Journal of Biological Chemistry, 2016, 291, 14170-14184.	1.6	89
22	A phosphoinositide conversion mechanism for exit from endosomes. Nature, 2016, 529, 408-412.	13.7	162
23	Multicolor Caged dSTORM Resolves the Ultrastructure of Synaptic Vesicles in the Brain. Angewandte Chemie - International Edition, 2015, 54, 13230-13235.	7.2	31
24	Overlapping functions of stonin 2 and SV2 in sorting of the calcium sensor synaptotagmin 1 to synaptic vesicles. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7297-7302.	3.3	54
25	Muscular Dystrophy Mutations Impair the Nuclear Envelope Emerin Self-assembly Properties. ACS Chemical Biology, 2015, 10, 2733-2742.	1.6	16
26	Vesicular Synaptobrevin/VAMP2 Levels Guarded by AP180 Control Efficient Neurotransmission. Neuron, 2015, 88, 330-344.	3.8	76
27	Pknox1/Prep1 Regulates Mitochondrial Oxidative Phosphorylation Components in Skeletal Muscle. Molecular and Cellular Biology, 2014, 34, 290-298.	1.1	24
28	Clathrin/AP-2 Mediate Synaptic Vesicle Reformation from Endosome-like Vacuoles but Are Not Essential for Membrane Retrieval at Central Synapses. Neuron, 2014, 82, 981-988.	3.8	181
29	A Presynaptic Role for the Cytomatrix Protein GIT in Synaptic Vesicle Recycling. Cell Reports, 2014, 7, 1417-1425.	2.9	35
30	Greasing the synaptic vesicle cycle by membrane lipids. Trends in Cell Biology, 2013, 23, 493-503.	3.6	95
31	Spatiotemporal control of endocytosis by phosphatidylinositol-3,4-bisphosphate. Nature, 2013, 499, 233-237.	13.7	362
32	Compromised fidelity of endocytic synaptic vesicle protein sorting in the absence of stonin 2. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E526-35.	3.3	78
33	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.	1.7	43
34	The GTPase ARFRP1 controls the lipidation of chylomicrons in the Golgi of the intestinal epithelium. Human Molecular Genetics, 2012, 21, 3128-3142.	1.4	26
35	Role of the Clathrin Terminal Domain in Regulating Coated Pit Dynamics Revealed by Small Molecule Inhibition. Cell, 2011, 146, 471-484.	13.5	459
36	Role of the Clathrin Terminal Domain in Regulating Coated Pit Dynamics Revealed by Small Molecule Inhibition. Cell, 2011, 146, 841.	13.5	8

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37	AP180 and CALM. Cellular Logistics, 2011, 1, 168-172.	0.9	14
38	SNARE motif-mediated sorting of synaptobrevin by the endocytic adaptors clathrin assembly lymphoid myeloid leukemia (CALM) and AP180 at synapses. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13540-13545.	3.3	123
39	NCAM/Spectrin Complex Disassembly Results in PSD Perforation and Postsynaptic Endocytic Zone Formation. Cerebral Cortex, 2011, 21, 2217-2232.	1.6	31
40	Molecular basis for SH3 domain regulation of F-BAR-mediated membrane deformation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8213-8218.	3.3	138
41	The Adhesion Molecule CHL1 Regulates Uncoating of Clathrin-Coated Synaptic Vesicles. Neuron, 2006, 52, 1011-1025.	3.8	86