

# Valeriy G Ostapchenko

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,347  
citations

394421

19  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased levels of Stress-inducible phosphoprotein-1 accelerates amyloid- $\beta^2$ deposition in a mouse model of Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2020, 8, 143.	5.2	13
2	Brain tumor acidification using drugs simultaneously targeting multiple pH regulatory mechanisms. <i>Journal of Neuro-Oncology</i> , 2019, 144, 453-462.	2.9	17
3	Detection of Active Caspase-3 in Mouse Models of Stroke and Alzheimer's Disease with a Novel Dual Positron Emission Tomography/Fluorescent Tracer [ <sup>68</sup> Ga]Ga-TC3-OGDOTA. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-17.	0.8	17
4	Mechanisms of neuroprotection against ischemic insult by stress-inducible phosphoprotein-1/prion protein complex. <i>Journal of Neurochemistry</i> , 2018, 145, 68-79.	3.9	15
5	The Hsp70/Hsp90 Chaperone Machinery in Neurodegenerative Diseases. <i>Frontiers in Neuroscience</i> , 2017, 11, 254.	2.8	277
6	Regulation of Amyloid $\beta^2$ Oligomer Binding to Neurons and Neurotoxicity by the Prion Protein-mGluR5 Complex. <i>Journal of Biological Chemistry</i> , 2016, 291, 21945-21955.	3.4	51
7	Domains of STIP1 responsible for regulating PrPC-dependent amyloid- $\beta^2$ oligomer toxicity. <i>Biochemical Journal</i> , 2016, 473, 2119-2130.	3.7	23
8	Cholinergic Regulation of hnRNPA2/B1 Translation by M1 Muscarinic Receptors. <i>Journal of Neuroscience</i> , 2016, 36, 6287-6296.	3.6	25
9	The Transient Receptor Potential Melastatin 2 (TRPM2) Channel Contributes to $\beta^2$ -Amyloid Oligomer-Related Neurotoxicity and Memory Impairment. <i>Journal of Neuroscience</i> , 2015, 35, 15157-15169.	3.6	110
10	Laminin- $\beta^3$ chain and stress inducible protein 1 synergistically mediate PrPC-dependent axonal growth via Ca <sup>2+</sup> mobilization in dorsal root ganglia neurons. <i>Journal of Neurochemistry</i> , 2013, 124, 210-223.	3.9	27
11	Increased prion protein processing and expression of metabotropic glutamate receptor 1 in a mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2013, 127, 415-425.	3.9	35
12	Regulation of Stress-Inducible Phosphoprotein 1 Nuclear Retention by Protein Inhibitor of Activated STAT PIAS1. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3253-3270.	3.8	25
13	The Prion Protein Ligand, Stress-Inducible Phosphoprotein 1, Regulates Amyloid- $\beta^2$ Oligomer Toxicity. <i>Journal of Neuroscience</i> , 2013, 33, 16552-16564.	3.6	70
14	Dissecting structural basis of the unique substrate selectivity of human enteropeptidase catalytic subunit. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012, 30, 62-73.	3.5	3
15	A New Mechanism for Transmissible Prion Diseases. <i>Journal of Neuroscience</i> , 2012, 32, 7345-7355.	3.6	72
16	Molecular Structure of Amyloid Fibrils Controls the Relationship between Fibrillar Size and Toxicity. <i>PLoS ONE</i> , 2011, 6, e20244.	2.5	30
17	Amyloid Features and Neuronal Toxicity of Mature Prion Fibrils Are Highly Sensitive to High Pressure. <i>Journal of Biological Chemistry</i> , 2011, 286, 13448-13459.	3.4	20
18	Highly Efficient Protein Misfolding Cyclic Amplification. <i>PLoS Pathogens</i> , 2011, 7, e1001277.	4.7	93

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19	The $\beta$ -Helical C-Terminal Domain of Full-Length Recombinant PrP Converts to an In-Register Parallel $\beta$ -Sheet Structure in PrP Fibrils: Evidence from Solid State Nuclear Magnetic Resonance. <i>Biochemistry</i> , 2010, 49, 9488-9497.	2.5	135
20	Two Amyloid States of the Prion Protein Display Significantly Different Folding Patterns. <i>Journal of Molecular Biology</i> , 2010, 400, 908-921.	4.2	64
21	Conformational Switching within Individual Amyloid Fibrils. <i>Journal of Biological Chemistry</i> , 2009, 284, 14386-14395.	3.4	61
22	The Polybasic N-Terminal Region of the Prion Protein Controls the Physical Properties of Both the Cellular and Fibrillar Forms of PrP. <i>Journal of Molecular Biology</i> , 2008, 383, 1210-1224.	4.2	42
23	Highly Promiscuous Nature of Prion Polymerization. <i>Journal of Biological Chemistry</i> , 2007, 282, 36704-36713.	3.4	31
24	Overexpression and refolding of thioredoxin/TRAIL fusion from inclusion bodies and further purification of TRAIL after cleavage by enteropeptidase. <i>Biotechnology Letters</i> , 2007, 29, 1567-1573.	2.2	20
25	Expression, purification, and characterization of human enteropeptidase catalytic subunit in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2003, 31, 133-139.	1.3	71