Valeriy G Ostapchenko

List of Publications by Year
in descending order

25	1,347	394421 19	580821 25
papers	citations	h-index	g-index

25	25	25	2124
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Hsp70/Hsp90 Chaperone Machinery in Neurodegenerative Diseases. Frontiers in Neuroscience, 2017, 11, 254.	2.8	277
2	The Î±-Helical C-Terminal Domain of Full-Length Recombinant PrP Converts to an In-Register Parallel Î²-Sheet Structure in PrP Fibrils: Evidence from Solid State Nuclear Magnetic Resonance. Biochemistry, 2010, 49, 9488-9497.	2.5	135
3	The Transient Receptor Potential Melastatin 2 (TRPM2) Channel Contributes to Î²-Amyloid Oligomer-Related Neurotoxicity and Memory Impairment. Journal of Neuroscience, 2015, 35, 15157-15169.	3.6	110
4	Highly Efficient Protein Misfolding Cyclic Amplification. PLoS Pathogens, 2011, 7, e1001277.	4.7	93
5	A New Mechanism for Transmissible Prion Diseases. Journal of Neuroscience, 2012, 32, 7345-7355.	3.6	72
6	Expression, purification, and characterization of human enteropeptidase catalytic subunit in Escherichia coli. Protein Expression and Purification, 2003, 31, 133-139.	1.3	71
7	The Prion Protein Ligand, Stress-Inducible Phosphoprotein 1, Regulates Amyloid-Î² Oligomer Toxicity. Journal of Neuroscience, 2013, 33, 16552-16564.	3.6	70
8	Two Amyloid States of the Prion Protein Display Significantly Different Folding Patterns. Journal of Molecular Biology, 2010, 400, 908-921.	4.2	64
9	Conformational Switching within Individual Amyloid Fibrils. Journal of Biological Chemistry, 2009, 284, 14386-14395.	3.4	61
10	Regulation of Amyloid Î² Oligomer Binding to Neurons and Neurotoxicity by the Prion Protein-mGluR5 Complex. Journal of Biological Chemistry, 2016, 291, 21945-21955.	3.4	51
11	The Polybasic N-Terminal Region of the Prion Protein Controls the Physical Properties of Both the Cellular and Fibrillar Forms of PrP. Journal of Molecular Biology, 2008, 383, 1210-1224.	4.2	42
12	Increased prion protein processing and expression of metabotropic glutamate receptor 1 in a mouse model of Alzheimer's disease. Journal of Neurochemistry, 2013, 127, 415-425.	3.9	35
13	Highly Promiscuous Nature of Prion Polymerization. Journal of Biological Chemistry, 2007, 282, 36704-36713.	3.4	31
14	Molecular Structure of Amyloid Fibrils Controls the Relationship between Fibrillar Size and Toxicity. PLoS ONE, 2011, 6, e20244.	2.5	30
15	Laminináâ€Î³1 chain and stress inducible protein 1 synergistically mediate Pr<scp>P^C</scp>â€dependent axonal growth via Ca²⁺ mobilization in dorsal root ganglia neurons. Journal of Neurochemistry, 2013, 124, 210-223.	3.9	27
16	Regulation of Stress-Inducible Phosphoprotein 1 Nuclear Retention by Protein Inhibitor of Activated STAT PIAS1. Molecular and Cellular Proteomics, 2013, 12, 3253-3270.	3.8	25
17	Cholinergic Regulation of hnRNPA2/B1 Translation by M1 Muscarinic Receptors. Journal of Neuroscience, 2016, 36, 6287-6296.	3.6	25
18	Domains of STIP1 responsible for regulating PrPC-dependent amyloid-Î² oligomer toxicity. Biochemical Journal, 2016, 473, 2119-2130.	3.7	23

#	Article	IF	Citations
19	Overexpression and refolding of thioredoxin/TRAIL fusion from inclusion bodies and further purification of TRAIL after cleavage by enteropeptidase. Biotechnology Letters, 2007, 29, 1567-1573.	2.2	20
20	Amyloid Features and Neuronal Toxicity of Mature Prion Fibrils Are Highly Sensitive to High Pressure. Journal of Biological Chemistry, 2011, 286, 13448-13459.	3.4	20
21	Brain tumor acidification using drugs simultaneously targeting multiple pH regulatory mechanisms. Journal of Neuro-Oncology, 2019, 144, 453-462.	2.9	17
22	Detection of Active Caspase-3 in Mouse Models of Stroke and Alzheimerâ€™s Disease with a Novel Dual Positron Emission Tomography/Fluorescent Tracer [⁶⁸Ga]Ga-TC3-OGDOTA. Contrast Media and Molecular Imaging, 2019, 2019, 1-17.	0.8	17
23	Mechanisms of neuroprotection against ischemic insult by stressâ€inducible phosphoproteinâ€1/prion protein complex. Journal of Neurochemistry, 2018, 145, 68-79.	3.9	15
24	Increased levels of Stress-inducible phosphoprotein-1 accelerates amyloid-Î² deposition in a mouse model of Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2020, 8, 143.	5.2	13
25	Dissecting structural basis of the unique substrate selectivity of human enteropeptidase catalytic subunit. Journal of Biomolecular Structure and Dynamics, 2012, 30, 62-73.	3.5	3