Vasily V Belov

List of Publications by Year
in descending order

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24 papers	438 citations	933447 10 h-index	752698 20 g-index
24 all docs	24 docs citations	24 times ranked	587 citing authors

#	Article	IF	Citations
1	CNS Penetration of Intrathecal-Lumbar Idursulfase in the Monkey, Dog and Mouse: Implications for Neurological Outcomes of Lysosomal Storage Disorder. PLoS ONE, 2012, 7, e30341.	2.5	113
2	Physiology of the Intrathecal Bolus: The Leptomeningeal Route for Macromolecule and Particle Delivery to CNS. Molecular Pharmaceutics, 2013, 10, 1522-1532.	4.6	77
3	Skin Rejuvenation with Non-Invasive Pulsed Electric Fields. Scientific Reports, 2015, 5, 10187.	3.3	45
4	Iodine-124 as a Label for Pharmacological PET Imaging. Molecular Pharmaceutics, 2011, 8, 736-747.	4.6	33
5	Delivery of proteins to CNS as seen and measured by positron emission tomography. Drug Delivery and Translational Research, 2012, 2, 201-209.	5.8	23
6	Effect of Î±-tocopherol concentrations on the self-organization, physicochemical properties of solutions, and the structure of biological membranes. Doklady Physical Chemistry, 2011, 438, 109-113.	0.9	22
7	Design, Synthesis, and Evaluation of ¹⁸F-Labeled Monoacylglycerol Lipase Inhibitors as Novel Positron Emission Tomography Probes. Journal of Medicinal Chemistry, 2019, 62, 8866-8872.	6.4	22
8	[18F]-Alfatide PET imaging of integrin Î±vÎ²3 for the non-invasive quantification of liver fibrosis. Journal of Hepatology, 2020, 73, 161-169.	3.7	17
9	Synthesis and Preliminary Evaluations of a Triazole-Cored Antagonist as a PET Imaging Probe ([¹⁸F]N2B-0518) for GluN2B Subunit in the Brain. ACS Chemical Neuroscience, 2019, 10, 2263-2275.	3.5	13
10	Large-Volume Intrathecal Administrations: Impact on CSF Pressure and Safety Implications. Frontiers in Neuroscience, 2021, 15, 604197.	2.8	12
11	[18F]MAGL-4-11 positron emission tomography molecular imaging of monoacylglycerol lipase changes in preclinical liver fibrosis models. Acta Pharmaceutica Sinica B, 2022, 12, 308-315.	12.0	11
12	Investigation of intrathecal transport of NPT002, a prospective therapeutic based on phage M13, in nonhuman primates. Drug Delivery and Translational Research, 2012, 2, 210-221.	5.8	8
13	The Configuration of the Perivascular System Transporting Macromolecules in the CNS. Frontiers in Neuroscience, 2019, 13, 511.	2.8	8
14	Modification of the structure of plasmatic membranes of the liver by the action of Î±-tocopherol in vitro. Biophysics (Russian Federation), 2011, 56, 323-330.	0.7	7
15	IR spectroscopy of thin water layers and the mechanism of action Î±-tocopherol in ultra low concentrations. Doklady Physical Chemistry, 2011, 439, 123-126.	0.9	6
16	Dose dependences of lipid microviscosity of biological membranes induced by synthetic antioxidant potassium phenosan salt. Doklady Biochemistry and Biophysics, 2012, 443, 100-104.	0.9	6
17	The role of solvent polarity in the mechanism of action of biologically active compounds at ultralow concentrations. Doklady Biochemistry and Biophysics, 2004, 399, 362-364.	0.9	5
18	Solute Transport in the Cerebrospinal Fluid: Physiology and Practical Implications. , 2019, , 251-274.		4

#	Article	IF	Citations
19	Practical Radiosynthesis and Preclinical Neuroimaging of [11C]isradipine, a Calcium Channel Antagonist. Molecules, 2015, 20, 9550-9559.	3.8	2
20	Large Volume Intrathecal Bolus: CSF Pressure and Implications for Safety. FASEB Journal, 2017, 31, lb585.	0.5	2
21	Awake animal functional imaging to investigate the effects of general anesthesia on brain. , 2018, , .		1
22	Functional Imaging of Wound Metabolism. Frontiers in Nanobiomedical Research, 2017, , 201-230.	0.1	1
23	The changes of lipid microviscosity and rigidity in the different regions of microsomal membranes as affected oxazoles in vitro. Chemistry and Physics of Lipids, 2010, 163, S19.	3.2	0
24	Functioning Similarity of Physicochemical Regulatory System of the Lipid Peroxidation on the Membrane and Organ Levels. , 2013, , 265-274.		0