

Svetla D Petrova

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

299
citations

933447

10
h-index

940533

16
g-index

28
all docs

28
docs citations

28
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	An effective method for bioconversion of delignified waste-cellulose fibers from the paper industry with a cellulase complex. <i>Bioresource Technology</i> , 2000, 71, 1-4.	9.6	51
2	Combinations of CD45 Isoforms Are Crucial for Immune Function and Disease. <i>Journal of Immunology</i> , 2006, 176, 3417-3425.	0.8	41
3	CD45 negatively regulates tumour necrosis factor and interleukin-6 production in dendritic cells. <i>Immunology</i> , 2006, 118, 250-256.	4.4	29
4	Purification and characterization of the sunflower seed (<i>Helianthus annuus</i> L.) major aminopeptidase. <i>Acta Physiologiae Plantarum</i> , 2009, 31, 199-205.	2.1	16
5	New insight into the autoimmunogenicity of the complement protein C1q. <i>Molecular Immunology</i> , 2011, 48, 678-682.	2.2	15
6	Kinetics of degradation of dipalmitoylphosphatidylcholine (DPPC) bilayers as a result of vipoxin phospholipase A2 activity: An atomic force microscopy (AFM) approach. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 191-198.	2.6	12
7	Recognition of <i>Vipera ammodytes meridionalis</i> neurotoxin vipoxin and its components using phage-displayed scFv and polyclonal antivenom sera. <i>Toxicon</i> , 2012, 60, 802-809.	1.6	12
8	Interaction of Bestrophin-1 with 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine (POPC) in surface films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 432-438.	5.0	12
9	CD45 regulates apoptosis in peripheral T lymphocytes. <i>International Immunology</i> , 2006, 18, 959-966.	4.0	11
10	Effects of vipoxin and its components on HepG2 cells. <i>Toxicon</i> , 2015, 94, 36-44.	1.6	11
11	HPLC Assay of Phospholipase A ₂ Activity Using Low-Temperature Derivatization of Fatty Acids. <i>Analytical Letters</i> , 2009, 42, 1341-1351.	1.8	10
12	Effects of Ca ²⁺ ions on bestrophin-1 surface films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 226-232.	5.0	10
13	Assembly of amphiphilic nucleic acid-polymer conjugates into complex superaggregates: Preparation, properties, and in vitro performance. <i>European Polymer Journal</i> , 2020, 131, 109692.	5.4	10
14	Effects of Ca ²⁺ , Glu and GABA on hBest1 and composite hBest1/POPC surface films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 192-199.	5.0	8
15	Hemolytic activity and platelet aggregation inhibitory effect of vipoxin's basic sPLA2 subunit. <i>Interdisciplinary Toxicology</i> , 2013, 6, 136-140.	1.0	7
16	Effect of Some Divalent Metal Ions on Enzymatic Activity of Secreted Phospholipase A2 (sPLA2) Isolated from Bulgarian <i>Vipera Ammodytes Meridionalis</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2013, 27, 4181-4185.	1.3	7
17	Chaperone-Like Effect of Polyzwitterions on the Interaction of C1q with IgG. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2009, 64, 149-154.	1.4	6
18	Prolyl iminopeptidase from seeds of sunflower (<i>Helianthus annuus</i> L.). <i>Acta Physiologiae Plantarum</i> , 2010, 32, 211-213.	2.1	6

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19	Changes in the functional characteristics of tumor and normal cells after treatment with extracts of white dead-nettle. <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 181-188.	1.3	4
20	Miscibility of hBest1 and sphingomyelin in surface films – A prerequisite for interaction with membrane domains. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 189, 110893.	5.0	4
21	Acute toxicity of vipoxin and its components: is the acidic component an –inhibitor– of PLA2 toxicity?. <i>Interdisciplinary Toxicology</i> , 2012, 5, 169-172.	1.0	3
22	Autoantigenicity of human C1q is associated with increased hydrophobicity due to conformational transitions in the globular heads. <i>Molecular BioSystems</i> , 2015, 11, 1370-1377.	2.9	3
23	A Galantamine–Curcumin Hybrid Decreases the Cytotoxicity of Amyloid-Beta Peptide on SH-SY5Y Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7592.	4.1	3
24	Interactions of pharmacologically active snake venom sPLA2 with different cell lines. <i>Biotechnology and Biotechnological Equipment</i> , 2014, 28, 918-922.	1.3	2
25	Transepithelial resistance in human bestrophin-1 stably transfected Madin–Darby canine kidney cells. <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 101-104.	1.3	2
26	Condensing Effect of Cholesterol on hBest1/POPC and hBest1/SM Langmuir Monolayers. <i>Membranes</i> , 2021, 11, 52.	3.0	2
27	Self-organization and surface properties of hBest1 in models of biological membranes. <i>Advances in Colloid and Interface Science</i> , 2022, 302, 102619.	14.7	2
28	Cholesterol Alters the Phase Separation in Model Membranes Containing hBest1. <i>Molecules</i> , 2022, 27, 4267.	3.8	0