

# Albena Momchilova

## List of Publications by Year in descending order

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53  
papers

613  
citations

516215

16  
h-index

676716

22  
g-index

55  
all docs

55  
docs citations

55  
times ranked

948  
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane microdomains: Role of ceramides in the maintenance of their structure and functions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 666-675.	1.4	39
2	Three-dimensional matrix induces sustained activation of ERK1/2 via Src/Ras/Raf signaling pathway. <i>Cell Biology International</i> , 2008, 32, 229-234.	1.4	35
3	Sensitivity of 5- $\alpha$ -nucleotidase and phospholipase A2 towards liver plasma membranes modifications. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1985, 17, 787-792.	0.8	31
4	Antitumor Lipids—Structure, Functions, and Medical Applications. <i>Advances in Protein Chemistry and Structural Biology</i> , 2015, 101, 27-66.	1.0	31
5	Resveratrol alters the lipid composition, metabolism and peroxide level in senescent rat hepatocytes. <i>Chemico-Biological Interactions</i> , 2014, 207, 74-80.	1.7	29
6	Pharmacological characterization of the cannabinoid receptor 2 agonist, $\Delta^2$ -caryophyllene on seizure models in mice. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 57, 22-26.	0.9	29
7	Cholesterol distribution in plasma membranes of $\beta$ 1 integrin-expressing and $\beta$ 1 integrin-deficient fibroblasts. <i>Archives of Biochemistry and Biophysics</i> , 2005, 442, 160-168.	1.4	28
8	The plasma membrane lipid composition affects fusion between cells and model membranes. <i>Chemico-Biological Interactions</i> , 2006, 164, 167-173.	1.7	25
9	Phosphatidylethanolamine and phosphatidylcholine are sources of diacylglycerol in ras-transformed NIH 3T3 fibroblasts. <i>International Journal of Biochemistry and Cell Biology</i> , 1999, 31, 311-318.	1.2	24
10	Effect of sphingosine on domain morphology in giant vesicles. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 502-510.	5.0	23
11	Metabolic Profiling of Xylooligosaccharides by Lactobacilli. <i>Polymers</i> , 2020, 12, 2387.	2.0	23
12	Bimodal regulatory effect of melittin and phospholipase A2-activating protein on human type II secretory phospholipase A2. <i>Cell Biology International</i> , 2003, 27, 871-877.	1.4	22
13	Rat liver microsomal phospholipase A2 and membrane fluidity. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1986, 18, 659-663.	0.8	20
14	Fluorescent Labeling Techniques for Investigation of Fibronectin Fibrillogenesis (Labeling Fibronectin) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	20
15	Docosahexaenoic acid promotes micron scale liquid-ordered domains. A comparison study of docosahexaenoic versus oleic acid containing phosphatidylcholine in raft-like mixtures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1424-1435.	1.4	20
16	Ha- ras-TRANSFORMATION ALTERS THE METABOLISM OF PHOSPHATIDYLETHANOLAMINE AND PHOSPHATIDYLCHOLINE IN NIH 3T3 FIBROBLASTS. <i>Cell Biology International</i> , 1999, 23, 603-610.	1.4	19
17	Phospholipase A2-Induced Remodeling Processes on Liquid-Ordered/Liquid-Disordered Membranes Containing Docosahexaenoic or Oleic Acid: A Comparison Study. <i>Langmuir</i> , 2016, 32, 1756-1770.	1.6	14
18	Phospholipid composition of subcellular fractions and phospholipid-exchange activity in chicken liver and MC-29 hepatoma. <i>Lipids and Lipid Metabolism</i> , 1982, 713, 23-28.	2.6	12

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19	Do We Need More Human Embryonic Stem Cell Lines?. <i>Biotechnology and Biotechnological Equipment</i> , 2010, 24, 1921-1927.	0.5	12
20	Alterations in the content and physiological role of sphingomyelin in plasma membranes of cells cultured in three-dimensional matrix. <i>Molecular and Cellular Biochemistry</i> , 2010, 340, 215-222.	1.4	11
21	Testosterone replacement therapy improves erythrocyte membrane lipid composition in hypogonadal men. <i>Aging Male</i> , 2012, 15, 173-179.	0.9	11
22	Blood plasma thermal behavior and protein oxidation as indicators of multiple sclerosis clinical status and plasma exchange therapy progression. <i>Thermochimica Acta</i> , 2019, 671, 193-199.	1.2	11
23	Effect of Erufosine on Membrane Lipid Order in Breast Cancer Cell Models. <i>Biomolecules</i> , 2020, 10, 802.	1.8	11
24	Live-cell biosensor for assessment of adhesion qualities of biomaterials. <i>Materials Science and Engineering C</i> , 2017, 78, 230-238.	3.8	10
25	Characterization of stitch adhesions: Fibronectin-containing cell-cell contacts formed by fibroblasts. <i>Experimental Cell Research</i> , 2019, 384, 111616.	1.2	10
26	Phospholipid dependence of membrane-bound phospholipase A2 in ras-transformed NIH 3T3 fibroblasts. <i>Biochimie</i> , 1998, 80, 1055-1062.	1.3	9
27	Alterations in microsomal and plasma membranes during liver regeneration. <i>Biochimie</i> , 1992, 74, 981-987.	1.3	7
28	Stimulated Nonspecific Transport of Phospholipids Results in Elevated External Appearance of Phosphatidylserine in ras-Transformed Fibroblasts. <i>Archives of Biochemistry and Biophysics</i> , 2000, 381, 295-301.	1.4	6
29	Cell culturing in a three-dimensional matrix affects the localization and properties of plasma membrane cholesterol. <i>Cell Biology International</i> , 2009, 33, 1079-1086.	1.4	6
30	Characterization of Glucansucrases and Fructansucrases Produced by Wild Strains <i>Leuconostoc Mesenteroides</i> URE13 and <i>Leuconostoc Mesenteroides</i> LM17 Grown on Glucose or Fructose Medium as a Sole Carbon Source. <i>Biotechnology and Biotechnological Equipment</i> , 2013, 27, 3811-3820.	0.5	6
31	Surface Properties and Behavior of Lipid Extracts from Plasma Membranes of Cells Cultured as Monolayer and in Tissue-Like Conditions. <i>Cell Biochemistry and Biophysics</i> , 2009, 54, 47-55.	0.9	5
32	Cytotoxicity and antibiofilm activity of SiO <sub>2</sub> /cellulose derivative hybrid materials containing silver nanoparticles. <i>Turkish Journal of Biology</i> , 2016, 40, 1278-1288.	2.1	5
33	Halothane affects focal adhesion proteins in the A 549 cells. <i>Molecular and Cellular Biochemistry</i> , 2007, 295, 59-64.	1.4	4
34	Intake of Xylooligosaccharides Alters the Structural Organization of Liver Plasma Membrane Bilayer. <i>Food Biophysics</i> , 2014, 9, 138-144.	1.4	4
35	Cell proliferation in <i>in vivo</i> like three-dimensional cell culture is regulated by sequestration of $\text{ERK}^{1/2}$ to lipid rafts. <i>Cell Proliferation</i> , 2014, 47, 336-346.	2.4	4
36	Dimethylsphingosine and miltefosine induce apoptosis in lung adenocarcinoma A549 cells in a synergistic manner. <i>Chemico-Biological Interactions</i> , 2019, 310, 108731.	1.7	4

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37	An ellipsometric study of interaction of anti-cancer agent erufosine on lipid model systems. AIP Conference Proceedings, 2019, , .	0.3	4
38	Myconoside interacts with the plasma membranes and the actin cytoskeleton and provokes cytotoxicity in human lung adenocarcinoma A549 cells. Journal of Bioenergetics and Biomembranes, 2022, 54, 31-43.	1.0	4
39	Structural organization of plasma membrane lipids isolated from cells cultured as a monolayer and in tissue-like conditions. Journal of Colloid and Interface Science, 2011, 359, 202-209.	5.0	3
40	Role of Aminophospholipids in the Formation of Lipid Rafts in Model Membranes. Journal of Fluorescence, 2015, 25, 1037-1043.	1.3	3
41	Anti-cancer effect of <i>Petasites hybridus</i> L. (Butterbur) root extract on breast cancer cell lines. Biotechnology and Biotechnological Equipment, 2021, 35, 853-861.	0.5	3
42	Hyperglycemia attenuates fibroblast contractility via suppression of T $\beta$ RII receptor modulated $\beta$ -smooth muscle actin expression. Biotechnology and Biotechnological Equipment, 2022, 36, 35-44.	0.5	3
43	Arachidonoyl-CoA: Lysophosphatidylcholine acyltransferase activity in ras-transformed NIH 3T3 fibroblasts depends on the membrane composition. IUBMB Life, 1999, 47, 555-561.	1.5	2
44	Fructooligosaccharide Intake Alters the Phospholipid and Fatty Acid Composition of Liver Plasma Membranes. Biotechnology and Biotechnological Equipment, 2012, 26, 2904-2909.	0.5	2
45	Quercetin affects membrane lipids and apoptosis in three-dimensional fibroblast cultures. Biotechnology and Biotechnological Equipment, 2021, 35, 943-952.	0.5	2
46	Alterations of the composition and metabolism of pulmonary surfactant phospholipids induced by experimental peritonitis in rats. Chemo-Biological Interactions, 2007, 169, 73-79.	1.7	1
47	Effect of <i>N</i> -Propyl Gallate on Lipid Peroxidation in Heterogenous Model Membranes. Biotechnology and Biotechnological Equipment, 2013, 27, 4145-4149.	0.5	1
48	Alterations in rat alveolar surfactant system induced by treatment with carbicron (O-[(2-butenic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Comparative Pharmacology, 1992, 103, 553-555.	0.2	0
49	Influence of Carbicron (O-[(2-butenic acid)-N,N-dimethylamide-3-YL] O,O-dimethylphosphate) on some biochemical and biophysical parameters of rat liver membranes. International Journal of Biochemistry & Cell Biology, 1993, 25, 253-257.	0.8	0
50	Tumor Necrosis Factor-Alpha Stimulates Sphingomyelin Turnover in Human Skin Fibroblasts by Two Different Pathways. Biotechnology and Biotechnological Equipment, 2010, 24, 1631-1637.	0.5	0
51	Cell Adhesions and Signaling: A Tool for Biocompatibility Assessment. NATO Science for Peace and Security Series A: Chemistry and Biology, 2010, , 1-17.	0.5	0
52	Developing Cell-Scale Biomimetic Systems. Behavior Research Methods, 2013, 17, 167-213.	2.3	0
53	Effect of Inulin Intake on the Content and Susceptibility to Oxidative Damage of Cholesterol in Rat Liver Plasma Membranes. Comptes Rendus De L'Academie Bulgare Des Sciences, 2013, 66, .	0.1	0