Natalia V Beloborodova

List of Publications by Year
in descending order

38	734	759055	552653
papers	citations	12 h-index	26 g-index

39	39	39	690
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toxic effects of microbial phenolic acids on the functions of mitochondria. Toxicology Letters, 2008, 180, 182-188.	0.4	165
2	Effect of phenolic acids of microbial origin on production of reactive oxygen species in mitochondria and neutrophils. Journal of Biomedical Science, 2012, 19, 89.	2.6	156
3	Metabolomic findings in sepsis as a damage of host-microbial metabolism integration. Journal of Critical Care, 2018, 43, 246-255.	1.0	44
4	Microbial origin of phenylcarboxylic acids in the human body. Biochemistry (Moscow), 2009, 74, 1350-1355.	0.7	42
5	Involvement of Aromatic Metabolites in the Pathogenesis of Septic Shock. Shock, 2018, 50, 273-279.	1.0	33
6	Serum Levels of Mitochondrial and Microbial Metabolites Reflect Mitochondrial Dysfunction in Different Stages of Sepsis. Metabolites, 2019, 9, 196.	1.3	31
7	Profiles of Microbial Fatty Acids in the Human Metabolome are Disease-Specific. Frontiers in Microbiology, 2010, 1, 148.	1.5	25
8	Serum and fecal profiles of aromatic microbial metabolites reflect gut microbiota disruption in critically ill patients: a prospective observational pilot study. Critical Care, 2020, 24, 312.	2.5	25
9	Determination of Aromatic Microbial Metabolites in Blood Serum by Gas Chromatographyâ€“Mass Spectrometry. Journal of Analytical Chemistry, 2018, 73, 160-166.	0.4	21
10	Normal level of sepsis-associated phenylcarboxylic acids in human serum. Biochemistry (Moscow), 2015, 80, 374-378.	0.7	20
11	Microbial metabolites in the blood of patients with sepsis. Critical Care, 2007, 11, P5.	2.5	19
12	Determination of Tryptophan Metabolites in Serum and Cerebrospinal Fluid Samples Using Microextraction by Packed Sorbent, Silylation and GCâ€“MS Detection. Molecules, 2020, 25, 3258.	1.7	17
13	Host-Microbiome Interactions Mediated by Phenolic Metabolites in Chronically Critically Ill Patients. Metabolites, 2021, 11, 122.	1.3	12
14	Indolic Structure Metabolites as Potential Biomarkers of Non-infectious Diseases. Current Pharmaceutical Design, 2021, 27, 238-249.	0.9	12
15	Hi-C Metagenomics in the ICU: Exploring Clinically Relevant Features of Gut Microbiome in Chronically Critically Ill Patients. Frontiers in Microbiology, 2021, 12, 770323.	1.5	12
16	Influence of Microbial Metabolites on the Nonspecific Permeability of Mitochondrial Membranes under Conditions of Acidosis and Loading with Calcium and Iron Ions. Biomedicines, 2021, 9, 558.	1.4	11
17	Metabolism of Microbiota in Critical Illness (Review and Postulates). Obshchaya Reanimatologiya, 2019, 15, 62-79.	0.2	10
18	Management of familial Mediterranean fever by colchicine does not normalize the altered profile of microbial long chain fatty acids in the human metabolome. Frontiers in Cellular and Infection Microbiology, 2013, 3, 2.	1.8	9

#	Article	IF	Citations
19	Development of methods of the gas chromatographic determination of phenylcarboxylic acids in blood serum and their adaptation to clinical laboratory conditions. Journal of Analytical Chemistry, 2015, 70, 495-501.	0.4	8
20	Metabolomic Discovery of Microbiota Dysfunction as the Cause of Pathology. , 2020, , .		8
21	Metabolic profiling of aromatic compounds in cerebrospinal fluid of neurosurgical patients using microextraction by packed sorbent and liquidâ€“liquid extraction with gas chromatographyâ€“mass spectrometry analysis. Biomedical Chromatography, 2021, 35, e4969.	0.8	8
22	Causal Therapy of COVID-19: Critical Review and Prospects. Obshchaya Reanimatologiya, 2021, 16, 65-90.	0.2	8
23	Substrate-specific reduction of tetrazolium salts by isolated mitochondria, tissues, and leukocytes. Biochemistry (Moscow), 2017, 82, 192-204.	0.7	7
24	Participation of phenolic acids of microbial origin in the dysfunction of mitochondria in sepsis. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2010, 4, 50-55.	0.3	4
25	Gut Microbiota as Early Predictor of Infectious Complications before Cardiac Surgery: A Prospective Pilot Study. Journal of Personalized Medicine, 2021, 11, 1113.	1.1	4
26	Prognosis of outcome in patients with acute abdominal or pulmonary bacterial infection based on the serum level of aromatic microbial metabolites. Clinical and Experimental Surgery, 2020, 8, 96-104.	0.0	4
27	Sepsis 2016 Agra, India. Critical Care, 2016, 20, 45.	2.5	3
28	Taxonomic dysbiosis of gut microbiota and serum biomarkers reflect severity of central nervous system injury. Bulletin of Russian State Medical University, 2020, , .	0.3	3
29	4-Hydroxyphenyllactic Acid in Cerebrospinal Fluid as a Possible Marker of Post-Neurosurgical Meningitis: Retrospective Study. Journal of Personalized Medicine, 2022, 12, 399.	1.1	3
30	Development of conditions for the derivatization of phenyl carboxylic acids isolated from blood using gas-chromatography/mass spectrometry. Journal of Analytical Chemistry, 2012, 67, 1050-1056.	0.4	2
31	â€œDialogueâ€•between the Human Microbiome and the Brain. Biochemistry, 0, , .	0.8	2
32	The role of human and microbial metabolites of triptophane in severe diseases and critical ill (review). Journal of Clinical Practice, 0, , .	0.2	2
33	Microbiota-Oriented Diagnostics and Therapy in Sepsis: Utopia or Necessity?. , 0, , .		1
34	Prospects of using adaptive phage therapy in the rehabilitation of post-COVID-19 patients. Physical and Rehabilitation Medicine Medical Rehabilitation, 2021, 3, 254-259.	0.1	1
35	Successful therapy of endotoxin shock and multiple organ dysfunction using sequential targeted extracorporeal treatment in a patient after combined cardiac surgery. Clinical and Experimental Surgery, 2020, 8, 105-114.	0.0	1
36	Prospects for microbiota-oriented therapy in neurorehabilitology. Physical and Rehabilitation Medicine Medical Rehabilitation, 2020, 2, 79-85.	0.1	1

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37	Can procalcitonin reflect the etiology of the bacteremia?. Critical Care, 2007, 11, P17.	2.5	0
38	Microbiota dysfunction in patients with brain damage in chronic critical condition. Russian Neurological Journal, 2022, 27, 94-104.	0.1	0