

# Natalia V Beloborodova

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

734  
citations

759233

12  
h-index

552781

26  
g-index

39  
all docs

39  
docs citations

39  
times ranked

690  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxic effects of microbial phenolic acids on the functions of mitochondria. <i>Toxicology Letters</i> , 2008, 180, 182-188.	0.8	165
2	Effect of phenolic acids of microbial origin on production of reactive oxygen species in mitochondria and neutrophils. <i>Journal of Biomedical Science</i> , 2012, 19, 89.	7.0	156
3	Metabolomic findings in sepsis as a damage of host-microbial metabolism integration. <i>Journal of Critical Care</i> , 2018, 43, 246-255.	2.2	44
4	Microbial origin of phenylcarboxylic acids in the human body. <i>Biochemistry (Moscow)</i> , 2009, 74, 1350-1355.	1.5	42
5	Involvement of Aromatic Metabolites in the Pathogenesis of Septic Shock. <i>Shock</i> , 2018, 50, 273-279.	2.1	33
6	Serum Levels of Mitochondrial and Microbial Metabolites Reflect Mitochondrial Dysfunction in Different Stages of Sepsis. <i>Metabolites</i> , 2019, 9, 196.	2.9	31
7	Profiles of Microbial Fatty Acids in the Human Metabolome are Disease-Specific. <i>Frontiers in Microbiology</i> , 2010, 1, 148.	3.5	25
8	Serum and fecal profiles of aromatic microbial metabolites reflect gut microbiota disruption in critically ill patients: a prospective observational pilot study. <i>Critical Care</i> , 2020, 24, 312.	5.8	25
9	Determination of Aromatic Microbial Metabolites in Blood Serum by Gas Chromatography–Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2018, 73, 160-166.	0.9	21
10	Normal level of sepsis-associated phenylcarboxylic acids in human serum. <i>Biochemistry (Moscow)</i> , 2015, 80, 374-378.	1.5	20
11	Microbial metabolites in the blood of patients with sepsis. <i>Critical Care</i> , 2007, 11, P5.	5.8	19
12	Determination of Tryptophan Metabolites in Serum and Cerebrospinal Fluid Samples Using Microextraction by Packed Sorbent, Silylation and GC–MS Detection. <i>Molecules</i> , 2020, 25, 3258.	3.8	17
13	Host-Microbiome Interactions Mediated by Phenolic Metabolites in Chronically Critically Ill Patients. <i>Metabolites</i> , 2021, 11, 122.	2.9	12
14	Indolic Structure Metabolites as Potential Biomarkers of Non-infectious Diseases. <i>Current Pharmaceutical Design</i> , 2021, 27, 238-249.	1.9	12
15	Hi-C Metagenomics in the ICU: Exploring Clinically Relevant Features of Gut Microbiome in Chronically Critically Ill Patients. <i>Frontiers in Microbiology</i> , 2021, 12, 770323.	3.5	12
16	Influence of Microbial Metabolites on the Nonspecific Permeability of Mitochondrial Membranes under Conditions of Acidosis and Loading with Calcium and Iron Ions. <i>Biomedicines</i> , 2021, 9, 558.	3.2	11
17	Metabolism of Microbiota in Critical Illness (Review and Postulates). <i>Obshchaya Reanimatologiya</i> , 2019, 15, 62-79.	1.0	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. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 2.	3.9	9

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19	Development of methods of the gas chromatographic determination of phenylcarboxylic acids in blood serum and their adaptation to clinical laboratory conditions. <i>Journal of Analytical Chemistry</i> , 2015, 70, 495-501.	0.9	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 liquid-liquid extraction with gas chromatography-mass spectrometry analysis. <i>Biomedical Chromatography</i> , 2021, 35, e4969.	1.7	8
22	Causal Therapy of COVID-19: Critical Review and Prospects. <i>Obshchaya Reanimatologiya</i> , 2021, 16, 65-90.	1.0	8
23	Substrate-specific reduction of tetrazolium salts by isolated mitochondria, tissues, and leukocytes. <i>Biochemistry (Moscow)</i> , 2017, 82, 192-204.	1.5	7
24	Participation of phenolic acids of microbial origin in the dysfunction of mitochondria in sepsis. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2010, 4, 50-55.	0.6	4
25	Gut Microbiota as Early Predictor of Infectious Complications before Cardiac Surgery: A Prospective Pilot Study. <i>Journal of Personalized Medicine</i> , 2021, 11, 1113.	2.5	4
26	Prognosis of outcome in patients with acute abdominal or pulmonary bacterial infection based on the serum level of aromatic microbial metabolites. <i>Clinical and Experimental Surgery</i> , 2020, 8, 96-104.	0.1	4
27	Sepsis 2016 Agra, India. <i>Critical Care</i> , 2016, 20, 45.	5.8	3
28	Taxonomic dysbiosis of gut microbiota and serum biomarkers reflect severity of central nervous system injury. <i>Bulletin of Russian State Medical University</i> , 2020, , .	0.2	3
29	4-Hydroxyphenyllactic Acid in Cerebrospinal Fluid as a Possible Marker of Post-Neurosurgical Meningitis: Retrospective Study. <i>Journal of Personalized Medicine</i> , 2022, 12, 399.	2.5	3
30	Development of conditions for the derivatization of phenyl carboxylic acids isolated from blood using gas-chromatography/mass spectrometry. <i>Journal of Analytical Chemistry</i> , 2012, 67, 1050-1056.	0.9	2
31	â€œDialogueâ€ between the Human Microbiome and the Brain. <i>Biochemistry</i> , 0, , .	1.2	2
32	The role of human and microbial metabolites of triptophane in severe diseases and critical ill (review). <i>Journal of Clinical Practice</i> , 0, , .	0.6	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. <i>Physical and Rehabilitation Medicine Medical Rehabilitation</i> , 2021, 3, 254-259.	0.5	1
35	Successful therapy of endotoxin shock and multiple organ dysfunction using sequential targeted extracorporeal treatment in a patient after combined cardiac surgery. <i>Clinical and Experimental Surgery</i> , 2020, 8, 105-114.	0.1	1
36	Prospects for microbiota-oriented therapy in neurorehabilitation. <i>Physical and Rehabilitation Medicine Medical Rehabilitation</i> , 2020, 2, 79-85.	0.5	1

#	ARTICLE	IF	CITATIONS
37	Can procalcitonin reflect the etiology of the bacteremia?. Critical Care, 2007, 11, P17.	5.8	0
38	Microbiota dysfunction in patients with brain damage in chronic critical condition. Russian Neurological Journal, 2022, 27, 94-104.	0.3	0