

# Julijana Ivanisevic

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

6,797  
citations

126907

33  
h-index

123424

61  
g-index

66  
all docs

66  
docs citations

66  
times ranked

10672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolomics: beyond biomarkers and towards mechanisms. Nature Reviews Molecular Cell Biology, 2016, 17, 451-459.	37.0	1,723
2	Î±-ketoglutarate orchestrates macrophage activation through metabolic and epigenetic reprogramming. Nature Immunology, 2017, 18, 985-994.	14.5	715
3	Identification of bioactive metabolites using activity metabolomics. Nature Reviews Molecular Cell Biology, 2019, 20, 353-367.	37.0	602
4	Interactive XCMS Online: Simplifying Advanced Metabolomic Data Processing and Subsequent Statistical Analyses. Analytical Chemistry, 2014, 86, 6931-6939.	6.5	332
5	De novo NAD <sup>+</sup> synthesis enhances mitochondrial function and improves health. Nature, 2018, 563, 354-359.	27.8	302
6	Metabolism Links Bacterial Biofilms and Colon Carcinogenesis. Cell Metabolism, 2015, 21, 891-897.	16.2	288
7	Toward "Omic Scale Metabolite Profiling: A Dual Separation"Mass Spectrometry Approach for Coverage of Lipid and Central Carbon Metabolism. Analytical Chemistry, 2013, 85, 6876-6884.	6.5	242
8	Systems biology guided by XCMS Online metabolomics. Nature Methods, 2017, 14, 461-462.	19.0	168
9	Autonomous Metabolomics for Rapid Metabolite Identification in Global Profiling. Analytical Chemistry, 2015, 87, 884-891.	6.5	157
10	Systemic and central nervous system metabolic alterations in Alzheimer's disease. Alzheimer's Research and Therapy, 2019, 11, 93.	6.2	143
11	Molecular Profiling and Functional Analysis of Macrophage-Derived Tumor Extracellular Vesicles. Cell Reports, 2019, 27, 3062-3080.e11.	6.4	118
12	Thermal Degradation of Small Molecules: A Global Metabolomic Investigation. Analytical Chemistry, 2015, 87, 10935-10941.	6.5	112
13	Bioinformatics: The Next Frontier of Metabolomics. Analytical Chemistry, 2015, 87, 147-156.	6.5	112
14	XCMS-MRM and METLIN-MRM: a cloud library and public resource for targeted analysis of small molecules. Nature Methods, 2018, 15, 681-684.	19.0	112
15	Metabolic drift in the aging brain. Aging, 2016, 8, 1000-1020.	3.1	89
16	Warmth Prevents Bone Loss Through the Gut Microbiota. Cell Metabolism, 2020, 32, 575-590.e7.	16.2	88
17	Global metabolomics reveals metabolic dysregulation in ischemic retinopathy. Metabolomics, 2016, 12, 15.	3.0	80
18	Metabolic fingerprinting as an indicator of biodiversity: towards understanding inter-specific relationships among Homoscleromorpha sponges. Metabolomics, 2011, 7, 289-304.	3.0	77

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19	The Homoscleromorph sponge <i>Oscarella lobularis</i> , a promising sponge model in evolutionary and developmental biology. <i>BioEssays</i> , 2009, 31, 89-97.	2.5	76
20	Tumor-induced reshuffling of lipid composition on the endoplasmic reticulum membrane sustains macrophage survival and pro-tumorigenic activity. <i>Nature Immunology</i> , 2021, 22, 1403-1415.	14.5	72
21	PERK is a critical metabolic hub for immunosuppressive function in macrophages. <i>Nature Immunology</i> , 2022, 23, 431-445.	14.5	72
22	Brain Region Mapping Using Global Metabolomics. <i>Chemistry and Biology</i> , 2014, 21, 1575-1584.	6.0	65
23	Central anorexigenic actions of bile acids are mediated by TGR5. <i>Nature Metabolism</i> , 2021, 3, 595-603.	11.9	64
24	Arteriovenous Blood Metabolomics: A Readout of Intra-Tissue Metabostasis. <i>Scientific Reports</i> , 2015, 5, 12757.	3.3	62
25	Mechanistic insights into bacterial metabolic reprogramming from omics-integrated genome-scale models. <i>Npj Systems Biology and Applications</i> , 2020, 6, 1.	3.0	62
26	From Samples to Insights into Metabolism: Uncovering Biologically Relevant Information in LC-HRMS Metabolomics Data. <i>Metabolites</i> , 2019, 9, 308.	2.9	61
27	A global HILIC-MS approach to measure polar human cerebrospinal fluid metabolome: Exploring gender-associated variation in a cohort of elderly cognitively healthy subjects. <i>Analytica Chimica Acta</i> , 2018, 1037, 327-337.	5.4	53
28	Comprehensive bioimaging with fluorinated nanoparticles using breathable liquids. <i>Nature Communications</i> , 2015, 6, 5998.	12.8	50
29	Balibalosides, an Original Family of Glucosylated Sesterterpenes Produced by the Mediterranean Sponge <i>Oscarella balibalo</i> . <i>Marine Drugs</i> , 2013, 11, 1477-1489.	4.6	47
30	Single-Step Extraction Coupled with Targeted HILIC-MS/MS Approach for Comprehensive Analysis of Human Plasma Lipidome and Polar Metabolome. <i>Metabolites</i> , 2020, 10, 495.	2.9	46
31	Metabolomic data streaming for biology-dependent data acquisition. <i>Nature Biotechnology</i> , 2014, 32, 524-527.	17.5	45
32	isoMETLIN: A Database for Isotope-Based Metabolomics. <i>Analytical Chemistry</i> , 2014, 86, 9358-9361.	6.5	41
33	The Role of Metabolomics in Brain Metabolism Research. <i>Journal of NeuroImmune Pharmacology</i> , 2015, 10, 391-395.	4.1	39
34	An interactive cluster heat map to visualize and explore multidimensional metabolomic data. <i>Metabolomics</i> , 2015, 11, 1029-1034.	3.0	39
35	Merged Targeted Quantification and Untargeted Profiling for Comprehensive Assessment of Acylcarnitine and Amino Acid Metabolism. <i>Analytical Chemistry</i> , 2019, 91, 11757-11769.	6.5	34
36	Metabolomic profiling reveals deep chemical divergence between two morphotypes of the zoanthid <i>Parazoanthus axinellae</i> . <i>Scientific Reports</i> , 2015, 5, 8282.	3.3	29

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37	Biochemical Trade-Offs: Evidence for Ecologically Linked Secondary Metabolism of the Sponge <i>Oscarella balibalo</i> . PLoS ONE, 2011, 6, e28059.	2.5	29
38	<i>Oscarella balibalo</i> , a new sponge species (Homoscleromorpha: Plakinidae) from the Western Mediterranean Sea: cytological description, reproductive cycle and ecology. Marine Ecology, 2011, 32, 174-187.	1.1	28
39	Metabolomics as a Tool to Understand Pathophysiological Processes. Methods in Molecular Biology, 2018, 1730, 3-28.	0.9	27
40	Autonomous Multimodal Metabolomics Data Integration for Comprehensive Pathway Analysis and Systems Biology. Analytical Chemistry, 2018, 90, 8396-8403.	6.5	24
41	Metabolomics meets lipidomics: Assessing the small molecule component of metabolism. BioEssays, 2020, 42, e2000052.	2.5	24
42	Lysophospholipids in the Mediterranean Sponge <i>Oscarella tuberculata</i> : Seasonal Variability and Putative Biological Role. Journal of Chemical Ecology, 2011, 37, 537-545.	1.8	23
43	Data Streaming for Metabolomics: Accelerating Data Processing and Analysis from Days to Minutes. Analytical Chemistry, 2017, 89, 1254-1259.	6.5	23
44	Pluri-annual study of the reproduction of two Mediterranean <i>Oscarella</i> species (Porifera, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (h 423-438.	1.5	21
45	Sex-specific alterations in NAD <sup>+</sup> metabolism in 3xTg Alzheimer's disease mouse brain assessed by quantitative targeted LC-MS. Journal of Neurochemistry, 2021, 159, 378-388.	3.9	21
46	Inhibition of sphingolipid de novo synthesis counteracts muscular dystrophy. Science Advances, 2022, 8, eabh4423.	10.3	18
47	Global Isotope Metabolomics Reveals Adaptive Strategies for Nitrogen Assimilation. ACS Chemical Biology, 2016, 11, 1677-1685.	3.4	17
48	Metabolic View on Human Healthspan: A Lipidome-Wide Association Study. Metabolites, 2021, 11, 287.	2.9	16
49	DBnorm as an R package for the comparison and selection of appropriate statistical methods for batch effect correction in metabolomic studies. Scientific Reports, 2021, 11, 5657.	3.3	14
50	Ammonium accumulation is a primary effect of 2-methylcitrate exposure in an in vitro model for brain damage in methylmalonic aciduria. Molecular Genetics and Metabolism, 2016, 119, 57-67.	1.1	13
51	Integrative taxonomic description of <i>Plakina kanaky</i> , a new polychromatic sponge species from New Caledonia (Porifera: Homoscleromorpha). Marine Ecology, 2015, 36, 1129-1143.	1.1	11
52	Metabolic Impairment in Coronary Artery Disease: Elevated Serum Acylcarnitines Under the Spotlights. Frontiers in Cardiovascular Medicine, 2021, 8, 792350.	2.4	11
53	How Ceramides Orchestrate Cardiometabolic Health—An Ode to Physically Active Living. Metabolites, 2021, 11, 675.	2.9	9
54	Determining conserved metabolic biomarkers from a million database queries. Bioinformatics, 2015, 31, 3721-3724.	4.1	8

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55	The fate of orally administered sialic acid: First insights from patients with N-acetylneuraminic acid synthase deficiency and control subjects. <i>Molecular Genetics and Metabolism Reports</i> , 2021, 28, 100777.	1.1	7
56	Ammonium accumulation and chemokine decrease in culture media of Gcdh <sup>-/-</sup> 3D reaggregated brain cell cultures. <i>Molecular Genetics and Metabolism</i> , 2019, 126, 416-428.	1.1	6
57	The metabolic signature of cardiorespiratory fitness: a protocol for a systematic review and meta-analysis. <i>BMJ Open Sport and Exercise Medicine</i> , 2021, 7, e001008.	2.9	5
58	The Metabolic Signature of Cardiorespiratory Fitness: A Systematic Review. <i>Sports Medicine</i> , 2022, 52, 527-546.	6.5	5
59	Gut microbiota severely hampers the efficacy of NAD-lowering therapy in leukemia. <i>Cell Death and Disease</i> , 2022, 13, 320.	6.3	5
60	LC-HRMS data as a result of untargeted metabolomic profiling of human cerebrospinal fluid. <i>Data in Brief</i> , 2018, 21, 1358-1362.	1.0	2
61	P4193: IDENTIFICATION AND COMPREHENSIVE CHARACTERIZATION OF CNS AND SYSTEMIC METABOLIC ALTERATIONS IN ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P1513.	0.8	0