Boris F Krasnikov

List of Publications by Year
in descending order

20	530	758635 12	752256 20
papers	citations	h-index	g-index

21	21	21	723
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cysteine S-conjugate Î²-lyases: important roles in the metabolism of naturally occurring sulfur and selenium-containing compounds, xenobiotics and anticancer agents. Amino Acids, 2011, 41, 7-27.	1.2	89
2	Ï‰-Amidase: an underappreciated, but important enzyme in l-glutamine and l-asparagine metabolism; relevance to sulfur and nitrogen metabolism, tumor biology and hyperammonemic diseases. Amino Acids, 2016, 48, 1-20.	1.2	56
3	Determination of Coenzyme A and Acetyl-Coenzyme A in Biological Samples Using HPLC with UV Detection. Molecules, 2017, 22, 1388.	1.7	53
4	Treatment of YAC128 mice and their wild-type littermates with cystamine does not lead to its accumulation in plasma or brain: implications for the treatment of Huntington disease. Journal of Neurochemistry, 2005, 94, 1087-1101.	2.1	52
5	Identification of the putative tumor suppressor Nit2 as Ï‰-amidase, an enzyme metabolically linked to glutamine and asparagine transamination. Biochimie, 2009, 91, 1072-1080.	1.3	48
6	Measurement of sulfur-containing compounds involved in the metabolism and transport of cysteamine and cystamine. Regional differences in cerebral metabolism. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 3434-3441.	1.2	36
7	Kynurenine Aminotransferase III and Glutamine Transaminase L Are Identical Enzymes that have Cysteine S-Conjugate Î²-Lyase Activity and Can Transaminate l-Selenomethionine. Journal of Biological Chemistry, 2014, 289, 30950-30961.	1.6	36
8	Assay and purification of Ï‰-amidase/Nit2, a ubiquitously expressed putative tumor suppressor, that catalyzes the deamidation of the Î±-keto acid analogues of glutamine and asparagine. Analytical Biochemistry, 2009, 391, 144-150.	1.1	32
9	Urinary 2-hydroxy-5-oxoproline, the lactam form of Î±-ketoglutaramate, is markedly increased in urea cycle disorders. Analytical and Bioanalytical Chemistry, 2011, 400, 1843-1851.	1.9	29
10	Simultaneous determination of tricarboxylic acid cycle metabolites by high-performance liquid chromatography with ultraviolet detection. Analytical Biochemistry, 2016, 503, 8-10.	1.1	16
11	The Enzymology of 2-Hydroxyglutarate, 2-Hydroxyglutaramate and 2-Hydroxysuccinamate and Their Relationship to Oncometabolites. Biology, 2017, 6, 24.	1.3	13
12	The metabolic importance of the glutaminase II pathway in normal and cancerous cells. Analytical Biochemistry, 2022, 644, 114083.	1.1	11
13	Changes of Coenzyme A and Acetyl-Coenzyme A Concentrations in Rats after a Single-Dose Intraperitoneal Injection of Hepatotoxic Thioacetamide Are Not Consistent with Rapid Recovery. International Journal of Molecular Sciences, 2020, 21, 8918.	1.8	10
14	Synthetic and natural polyanions induce cytochrome c release from mitochondria in vitro and in situ. American Journal of Physiology - Cell Physiology, 2011, 300, C1193-C1203.	2.1	9
15	HPLC determination of Î±-ketoglutaramate [5-amino-2,5-dioxopentanoate] in biological samples. Analytical Biochemistry, 2016, 494, 52-54.	1.1	9
16	Role of Glutamine Transaminases in Nitrogen, Sulfur, Selenium, and 1-Carbon Metabolism. , 2015, , 37-54.		7
17	Preparative Biocatalytic Synthesis of Î±-Ketoglutaramate. International Journal of Molecular Sciences, 2021, 22, 12748.	1.8	5
18	Real-time multiparameter study of mitochondrial functions: Instrumental and analytical approaches. Analytical Biochemistry, 2018, 552, 66-74.	1.1	1

#	Article	IF	Citations
19	Models, methods, and approaches to study mitochondrial functioning in vitro , in situ , and in vivo : Editorial for the special issue on Mitochondrial Biochemistry and Bioenergetics. Analytical Biochemistry, 2018, 552, 1-3.	1.1	1
20	A novel efficient producer of human Ï‰-amidase (Nit2) in Escherichia coli. Analytical Biochemistry, 2021, 632, 114332.	1.1	1