

Dimitrios Tsikas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

397
papers

12,447
citations

52
h-index

97
g-index

421
ext. papers

13,854
ext. citations

4.7
avg, IF

6.96
L-index

#	Paper	IF	Citations
397	Specific and sensitive GC-MS analysis of hypusine, N-(4-amino-2-hydroxybutyl)lysine, a biomarker of hypusinated eukaryotic initiation factor eIF5A, and its application to the bi-ethnic ASOS study.. <i>Amino Acids</i> , 2022 , 1	3.5	1
396	Lysine and homoarginine are closely interrelated metabolites in the rat.. <i>Amino Acids</i> , 2022 , 1	3.5	0
395	Arginine metabolism and nitric oxide turnover in the ZSF1 animal model for heart failure with preserved ejection fraction. <i>Scientific Reports</i> , 2021 , 11, 20684	4.9	1
394	Urinary excretion of amino acids and their advanced glycation end-products (AGEs) in adult kidney transplant recipients with emphasis on lysine: furosine excretion is associated with cardiovascular and all-cause mortality. <i>Amino Acids</i> , 2021 , 53, 1679-1693	3.5	6
393	Central systolic blood pressure relates inversely to nitric oxide synthesis in young black adults: the African-PREDICT study. <i>Journal of Human Hypertension</i> , 2021 , 35, 985-993	2.6	3
392	Two-Step Derivatization of Amino Acids for Stable-Isotope Dilution GC-MS Analysis: Long-Term Stability of Methyl Ester-Pentafluoropropionic Derivatives in Toluene Extracts. <i>Molecules</i> , 2021 , 26,	4.8	4
391	Whole-body arginine dimethylation is associated with all-cause mortality in adult renal transplant recipients. <i>Amino Acids</i> , 2021 , 53, 541-554	3.5	4
390	GC-MS Discrimination of Citrulline from Ornithine and Homocitrulline from Lysine by Chemical Derivatization: Evidence of Formation of -Carboxy-ornithine and -Carboxy-lysine. <i>Molecules</i> , 2021 , 26,	4.8	3
389	GC-MS Studies on Derivatization of Creatinine and Creatine by BSTFA and Their Measurement in Human Urine. <i>Molecules</i> , 2021 , 26,	4.8	1
388	Re-evaluation of the immunohistochemical distribution of isoforms of nitric oxide synthase in the human prostate: A light and electron microscopical study. <i>Andrologia</i> , 2021 , 53, e14098	2.4	
387	Homocysteine and copper ions: is their interaction responsible for cardiovascular-related damage?. <i>Amino Acids</i> , 2021 , 53, 1297-1298	3.5	
386	Development, validation of a GC-MS method for the simultaneous measurement of amino acids, their PTM metabolites and AGEs in human urine, and application to the bi-ethnic ASOS study with special emphasis to lysine. <i>Amino Acids</i> , 2021 , 1	3.5	6
385	Urinary albumin-to-creatinine ratio is inversely related to nitric oxide synthesis in young black adults: the African-PREDICT study. <i>Hypertension Research</i> , 2021 , 44, 71-79	4.7	1
384	GC-MS approach revealing hidden nitrite reactions in hemolysate using O-labelled nitrite and cysteine-based thiols. <i>Analytical Biochemistry</i> , 2021 , 613, 114025	3.1	2
383	Comment on the article. <i>IUCrJ</i> , 2021 , 8, 327-328	4.7	3
382	Nitrous anhydrase activity of carbonic anhydrase II: cysteine is required for nitric oxide (NO) dependent phosphorylation of VASP in human platelets. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 525-534	5.6	3
381	Extra-platelet low-molecular-mass thiols mediate the inhibitory action of S-nitrosoalbumin on human platelet aggregation via S-transnitrosylation of the platelet surface. <i>Amino Acids</i> , 2021 , 53, 563-573	3.5	0

380	Profile of urinary amino acids and their post-translational modifications (PTM) including advanced glycation end-products (AGEs) of lysine, arginine and cysteine in lean and obese ZSF1 rats. <i>Amino Acids</i> , 2021 , 1	3.5	4
379	Local and Systemic Alterations of the L-Arginine/Nitric Oxide Pathway in Sputum, Blood, and Urine of Pediatric Cystic Fibrosis Patients and Effects of Antibiotic Treatment. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	1
378	Urinary Dimethylamine (DMA) and Its Precursor Asymmetric Dimethylarginine (ADMA) in Clinical Medicine, in the Context of Nitric Oxide (NO) and Beyond. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	10
377	Post-transplantation plasma malondialdehyde is associated with cardiovascular mortality in renal transplant recipients: a prospective cohort study. <i>Nephrology Dialysis Transplantation</i> , 2020 , 35, 512-519	4.3	5
376	GC-MS and LC-MS/MS pilot studies on the guanidine (N)-dimethylation in native, asymmetrically and symmetrically N-dimethylated arginine-vasopressin peptides and proteins in human red blood cells. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1141, 122024	3.2	4
375	Enhanced Nitric Oxide (NO) and Decreased ADMA Synthesis in Pediatric ADHD and Selective Potentiation of NO Synthesis by Methylphenidate. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	3
374	An Ethnic Comparison of Arginine Dimethylation and Cardiometabolic Factors in Healthy Black and White Youth: The ASOS and African-PREDICT Studies. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	7
373	Asymmetric dimethylation and citrullination in the LEW.1AR1-iddm rat, an animal model of human type 1 diabetes, and effects of anti-TCR/anti-TNF- α antibody-based therapy. <i>Amino Acids</i> , 2020 , 52, 103-110	3.5	1
372	Synthesis of homoagmatine and GC-MS analysis of tissue homoagmatine and agmatine: evidence that homoagmatine but not agmatine is a metabolite of pharmacological L-homoarginine in the anesthetized rat. <i>Amino Acids</i> , 2020 , 52, 235-245	3.5	0
371	GC-NICI-MS analysis of acetazolamide and other sulfonamide (R-SO-NH) drugs as pentafluorobenzyl derivatives [R-SO-N(PFB)] and quantification of pharmacological acetazolamide in human urine. <i>Journal of Pharmaceutical Analysis</i> , 2020 , 10, 49-59	14	4
370	Upregulation of the TRPA1 Ion Channel in the Gastric Mucosa after Iodoacetamide-Induced Gastritis in Rats: A Potential New Therapeutic Target. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
369	Measurement of the tripeptides glutathione and ophthalmic acid by gas chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 2020 , 113841	3.1	8
368	Activated L-Arginine/Nitric Oxide Pathway in Pediatric Cystic Fibrosis and Its Association with Pancreatic Insufficiency, Liver Involvement and Nourishment: An Overview and New Results. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	4
367	Biotransformation of organic nitrates by glutathione S-transferases and other enzymes: An appraisal of the pioneering work by William B. Jakoby. <i>Analytical Biochemistry</i> , 2020 , 113993	3.1	4
366	Rat liver glutathione S-transferase-catalyzed conjugation of glutathione to the endogenous epoxides of oleic acid and cholesterol. <i>Analytical Biochemistry</i> , 2020 , 113994	3.1	
365	The Use of Vasoactive Drugs in the Treatment of Male Erectile Dysfunction: Current Concepts. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	5
364	GC-MS measurement of spermidine and putrescine in serum of elderly subjects: intriguing association between spermidine and homoarginine. <i>Amino Acids</i> , 2020 , 52, 225-234	3.5	5
363	Emerging drugs to target lower urinary tract symptomatology (LUTS)/benign prostatic hyperplasia (BPH): focus on the prostate. <i>World Journal of Urology</i> , 2020 , 38, 1423-1435	4	4

362	Nitric oxide-related markers link inversely to blood pressure in black boys and men: the ASOS and African-PREDICT studies. <i>Amino Acids</i> , 2020 , 52, 639-648	3.5	3
361	Urinary Taurine Excretion and Risk of Late Graft Failure in Renal Transplant Recipients. <i>Nutrients</i> , 2019 , 11,	6.7	3
360	High plasma guanidinoacetate-to-homoarginine ratio is associated with high all-cause and cardiovascular mortality rate in adult renal transplant recipients. <i>Amino Acids</i> , 2019 , 51, 1485-1499	3.5	4
359	Effect of renal function on homeostasis of asymmetric dimethylarginine (ADMA): studies in donors and recipients of renal transplants. <i>Amino Acids</i> , 2019 , 51, 565-575	3.5	6
358	Creatine is a Conditionally Essential Nutrient in Chronic Kidney Disease: A Hypothesis and Narrative Literature Review. <i>Nutrients</i> , 2019 , 11,	6.7	26
357	Distinct associations between plasma osteoprotegerin, homoarginine and asymmetric dimethylarginine in chronic kidney disease male patients with coronary artery disease. <i>Amino Acids</i> , 2019 , 51, 977-982	3.5	6
356	Evidence by GC-MS that lysine is an arginase-catalyzed metabolite of homoarginine in vitro and in vivo in humans. <i>Analytical Biochemistry</i> , 2019 , 577, 59-66	3.1	8
355	Asymmetric dimethylation and citrullination of proteinic arginine and homoarginine synthesis in human <i>Helicobacter pylori</i> infection. <i>Amino Acids</i> , 2019 , 51, 961-971	3.5	6
354	Plasma ADMA, urinary ADMA excretion, and late mortality in renal transplant recipients. <i>Amino Acids</i> , 2019 , 51, 913-927	3.5	13
353	Exercise-Induced Oxidative Stress, Nitric Oxide and Plasma Amino Acid Profile in Recreational Runners with Vegetarian and Non-Vegetarian Dietary Patterns. <i>Nutrients</i> , 2019 , 11,	6.7	10
352	Arginase enzymes in the human prostate: A molecular biological and immunohistochemical approach. <i>Andrologia</i> , 2019 , 51, e13349	2.4	1
351	Asymmetric and Symmetric Protein Arginine Dimethylation: Concept and Postprandial Effects of High-Fat Protein Meals in Healthy Overweight Men. <i>Nutrients</i> , 2019 , 11,	6.7	8
350	Development and validation of GC-MS methods for the comprehensive analysis of amino acids in plasma and urine and applications to the HELLP syndrome and pediatric kidney transplantation: evidence of altered methylation, transamidation, and arginase activity. <i>Amino Acids</i> , 2019 , 51, 529-547	3.5	26
349	GC-MS measurement of biological N-hydroxy-L-arginine, a stepmotherly investigated endogenous nitric oxide synthase substrate and arginase inhibitor. <i>Amino Acids</i> , 2019 , 51, 627-640	3.5	3
348	Pharmacological activation of dimethylarginine dimethylaminohydrolase (DDAH) activity by inorganic nitrate and DDAH inhibition by N-hydroxy-L-arginine, N,N-dimethyl-L-citrulline and N,N-dimethyl-N-hydroxy-L-citrulline: results and overview. <i>Amino Acids</i> , 2019 , 51, 483-494	3.5	4
347	Course of transforming growth factor β in the systemic and cavernous blood of healthy males through different penile conditions. <i>Andrologia</i> , 2019 , 51, e13150	2.4	1
346	Endopeptidase inhibition attenuates the contraction induced by big endothelin-1 of isolated human penile erectile tissue. <i>Andrologia</i> , 2018 , 50, e13008	2.4	1
345	Measuring NO production rate from l-arginine in MELAS by mass spectrometry-based approaches: GC-MS or LC-MS/MS?. <i>International Journal of Cardiology</i> , 2018 , 256, 6	3.2	1

344	-Nitroso--acetyl-L-cysteine ethyl ester (SNACET) and -acetyl-L-cysteine ethyl ester (NACET)-Cysteine-based drug candidates with unique pharmacological profiles for oral use as NO, HS and GSH suppliers and as antioxidants: Results and overview. <i>Journal of Pharmaceutical Analysis</i> , 2018 , 8, 1-9	14	10
343	Asymmetric dimethylarginine (ADMA), symmetric dimethylarginine (SDMA) and homoarginine (hArg): the ADMA, SDMA and hArg paradoxes. <i>Cardiovascular Diabetology</i> , 2018 , 17, 1	8.7	84
342	Measurement of S-Nitrosoglutathione in Plasma by Liquid Chromatography-Tandem Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2018 , 1747, 113-129	1.4	1
341	Results, meta-analysis and a first evaluation of UR, the urinary nitrate-to-nitrite molar ratio, as a measure of nitrite reabsorption in experimental and clinical settings. <i>Amino Acids</i> , 2018 , 50, 799-821	3.5	18
340	Drastic decrease of global L-arginine bioavailability during orthotopic liver transplantation: A matter of ATP deficiency of the graft?. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 73, 96-97	5	2
339	Bioanalytical method validation of endogenous substances according to guidelines by the FDA and other organizations: Basic need to specify concentration ranges. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1093-1094, 80-81	3.2	10
338	Effects of single and combined metformin and L-citrulline supplementation on L-arginine-related pathways in Becker muscular dystrophy patients: possible biochemical and clinical implications. <i>Amino Acids</i> , 2018 , 50, 1391-1406	3.5	11
337	GC-MS determination of nitrous anhydrase activity of bovine and human carbonic anhydrase II and IV. <i>Analytical Biochemistry</i> , 2018 , 550, 132-136	3.1	10
336	Inverse correlation between maternal plasma asymmetric dimethylarginine (ADMA) and birthweight percentile in women with impaired placental perfusion: circulating ADMA as an NO-independent indicator of fetal growth restriction?. <i>Amino Acids</i> , 2018 , 50, 341-351	3.5	10
335	Associations between asymmetric dimethylarginine (ADMA), nitrite-dependent renal carbonic anhydrase activity, and plasma testosterone levels in hypogonadal men. <i>Hellenic Journal of Cardiology</i> , 2018 , 59, 201-206	2.1	7
334	Investigation of N-hydroxy-L-arginine interference in the quantitative determination of nitrite and nitrate in human plasma and urine by GC-NICI-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1100-1101, 174-178	3.2	5
333	Long-term effects of on the relationship between oxygen uptake and power after three weeks of supplemented HIHVT. <i>Journal of Applied Physiology</i> , 2018 , 125, 1997-2007	3.7	4
332	Utility of homoarginine in the GC-MS quantification of asymmetric dimethylarginine (ADMA) in human serum proteins. <i>Analytical Biochemistry</i> , 2018 , 563, 67-70	3.1	4
331	GC-MS quantification of urinary symmetric dimethylarginine (SDMA), a whole-body symmetric L-arginine methylation index. <i>Analytical Biochemistry</i> , 2018 , 556, 40-44	3.1	13
330	Simultaneous GC-ECNICI-MS measurement of nitrite, nitrate and creatinine in human urine and plasma in clinical settings. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1047, 207-214	3.2	25
329	Analytical challenges in the assessment of NO synthesis from L-arginine in the MELAS syndrome. <i>International Journal of Cardiology</i> , 2017 , 234, 141-142	3.2	3
328	Comprehensive analysis of the L-arginine/L-homoarginine/nitric oxide pathway in preterm neonates: potential roles for homoarginine and asymmetric dimethylarginine in foetal growth. <i>Amino Acids</i> , 2017 , 49, 783-794	3.5	8
327	S-Transnitrosation reactions of hydrogen sulfide (HS/HS/S) with S-nitrosated cysteinyl thiols in phosphate buffer of pH 7.4: Results and review of the literature. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 65, 22-36	5	11

326	Low plasma homoarginine concentration is associated with high rates of all-cause mortality in renal transplant recipients. <i>Amino Acids</i> , 2017 , 49, 1193-1202	3.5	19
325	<i>Helicobacter pylori</i> , Its Urease and Carbonic Anhydrases, and Macrophage Nitric Oxide Synthase. <i>Trends in Microbiology</i> , 2017 , 25, 601-602	12.4	3
324	The hypoxanthine-xanthine oxidase axis is not involved in the initial phase of clinical transplantation-related ischemia-reperfusion injury. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 312, F457-F464	4.3	2
323	The role of L-arginine/L-homoarginine/nitric oxide pathway for aortic distensibility and intima-media thickness in stroke patients. <i>Amino Acids</i> , 2017 , 49, 1111-1121	3.5	22
322	Lacking linearity in quantitative stable-isotope LC-MS/MS measurement of F-isoprostanes is an irrefutable indicator of analytical inadequacy. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1064, 139-142	3.2	4
321	Metabolism and distribution of pharmacological homoarginine in plasma and main organs of the anesthetized rat. <i>Amino Acids</i> , 2017 , 49, 2033-2044	3.5	7
320	Letter to the Editor regarding "Identification of the oleic acid ethanolamide (OEA) isomer cis-vaccenic acid ethanolamide (VEA) as a highly abundant 18:1 fatty acid ethanolamide in blood plasma from rats and humans". <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 2495	4.4	
319	Diet and Exercise and Serum Markers of Oxidative Stress-Letter. <i>Cancer Prevention Research</i> , 2017 , 10, 485-486	3.2	
318	What we-authors, reviewers and editors of scientific work-can learn from the analytical history of biological 3-nitrotyrosine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1058, 68-72	3.2	6
317	The L-arginine/NO pathway in the MELAS syndrome: An insufficiently explored and controversial research area. <i>International Journal of Cardiology</i> , 2017 , 229, 27	3.2	1
316	Assessment of lipid peroxidation by measuring malondialdehyde (MDA) and relatives in biological samples: Analytical and biological challenges. <i>Analytical Biochemistry</i> , 2017 , 524, 13-30	3.1	590
315	Simultaneous GC-MS/MS measurement of malondialdehyde and 4-hydroxy-2-nonenal in human plasma: Effects of long-term L-arginine administration. <i>Analytical Biochemistry</i> , 2017 , 524, 31-44	3.1	20
314	Cross-validated stable-isotope dilution GC-MS and LC-MS/MS assays for monoacylglycerol lipase (MAGL) activity by measuring arachidonic acid released from the endocannabinoid 2-arachidonoyl glycerol. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1047, 151-159	3.2	2
313	GC-ECNICI-MS/MS of eicosanoids as pentafluorobenzyl-trimethylsilyl (TMS) derivatives: Evidence of CAD-induced intramolecular TMS ether-to-ester rearrangement using carboxy-O-labelled eicosanoids and possible implications in quantitative analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1047, 187-196	3.2	3
312	GC-ECNICI-MS analysis of S-nitrosothiols and nitroprusside after treatment with aqueous sulphide (S) and derivatization with pentafluorobenzyl bromide: Evidence of S-transnitrosylation and formation of nitrite and nitrate. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1043, 209-218	3.2	2
311	Pentafluorobenzyl bromide-A versatile derivatization agent in chromatography and mass spectrometry: I. Analysis of inorganic anions and organophosphates. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1043, 187-201	3.2	20
310	Simultaneous pentafluorobenzyl derivatization and GC-ECNICI-MS measurement of nitrite and malondialdehyde in human urine: Close positive correlation between these disparate oxidative stress biomarkers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1043, 167-175	3.2	14
309	GC-MS and GC-MS/MS measurement of ibuprofen in 10- μ l aliquots of human plasma and mice serum using [β -methyl- 3 H]ibuprofen after ethyl acetate extraction and pentafluorobenzyl bromide derivatization: Discovery of a collision energy-dependent H/D isotope effect and pharmacokinetic application to inhaled ibuprofen-arginine in mice. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1043, 148-166	3.2	6

308	Does the Inhibitory Action of Asymmetric Dimethylarginine (ADMA) on the Endothelial Nitric Oxide Synthase Activity Explain Its Importance in the Cardiovascular System? The ADMA Paradox 2017 , 3, 16-22		15
307	Spermidine for a Long, Dementia-Free Life?. <i>Global Journal of Pharmacy & Pharmaceutical Sciences</i> , 2017 , 2,		3
306	-Adenosyl-L-methionine towards hepatitis C virus expression: Need to consider -Adenosyl-L-methionine chemistry, physiology and pharmacokinetics. <i>World Journal of Gastroenterology</i> , 2017 , 23, 7343-7346	5.6	2
305	The L-Arginine/NO Pathway in Children with Attention-Deficit/Hyperactivity Disorder (ADHD). <i>Neuropediatrics</i> , 2017 , 48, S1-S45	1.6	
304	Utilizing immunoaffinity chromatography (IAC) cross-reactivity in GC-MS/MS exemplified at the measurement of prostaglandin E1 in human plasma using prostaglandin E2-specific IAC columns. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1021, 101-107	3.2	6
303	Protocols for the measurement of the F2-isoprostane, 15(S)-8-iso-prostaglandin F2 β in biological samples by GC-MS or GC-MS/MS coupled with immunoaffinity column chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1019, 191-201	3.2	15
302	Flow Injection Analysis of N-acetyl-L-cysteine Based on the Reduction of Copper(II)-neocuproine Reagent. <i>Analytical Letters</i> , 2016 , 49, 607-617	2.2	7
301	Quantitative analysis of eicosanoids in biological samples by LC-MS/MS: Mission accomplished?. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1012-1013, 211-4	3.2	4
300	Unaltered l-arginine/NO pathway in a MELAS patient: Is mitochondrial NO synthase involved in the MELAS syndrome?. <i>International Journal of Cardiology</i> , 2016 , 223, 479-481	3.2	7
299	Gas chromatographic-mass spectrometric analysis of the tripeptide glutathione in the electron-capture negative-ion chemical ionization mode. <i>Amino Acids</i> , 2016 , 48, 593-8	3.5	11
298	Carbonic anhydrases are producers of S-nitrosothiols from inorganic nitrite and modulators of soluble guanylyl cyclase in human platelets. <i>Amino Acids</i> , 2016 , 48, 1695-706	3.5	25
297	Discovery and microassay of a nitrite-dependent carbonic anhydrase activity by stable-isotope dilution gas chromatography-mass spectrometry. <i>Amino Acids</i> , 2016 , 48, 245-55	3.5	18
296	Pitfalls in the analysis of the physiological antioxidant glutathione (GSH) and its disulfide (GSSG) in biological samples: An elephant in the room. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1019, 21-8	3.2	68
295	Development, validation and biomedical applications of stable-isotope dilution GC-MS and GC-MS/MS techniques for circulating malondialdehyde (MDA) after pentafluorobenzyl bromide derivatization: MDA as a biomarker of oxidative stress and its relation to 15(S)-8-iso-prostaglandin F2 β . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1019, 1-10	3.2	59
294	Simultaneous stable-isotope dilution GC-MS measurement of homoarginine, guanidinoacetate and their common precursor arginine in plasma and their interrelationships in healthy and diseased humans. <i>Amino Acids</i> , 2016 , 48, 721-732	3.5	13
293	The Effects of Lung Protective Ventilation or Hypercapnic Acidosis on Gas Exchange and Lung Injury in Surfactant Deficient Rabbits. <i>PLoS ONE</i> , 2016 , 11, e0147807	3.7	10
292	Analytical tools and protocols in oxidative stress. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1019, 1-3	3.2	2
291	PS-04-010 Expression and distribution of carboanhydrase (CA) in human penile erectile tissue. <i>Journal of Sexual Medicine</i> , 2016 , 13, S92	1.1	1

290	Evidence by chromatography and mass spectrometry that inorganic nitrite induces S-glutathionylation of hemoglobin in human red blood cells. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1019, 72-82	3.2	14
289	Evidence of the chemical reaction of (18)O-labelled nitrite with CO ₂ in aqueous buffer of neutral pH and the formation of (18)OCO by isotope ratio mass spectrometry. <i>Nitric Oxide - Biology and Chemistry</i> , 2016 , 55-56, 25-35	5	5
288	Acid-free synthesis of S-nitrosothiols at neutral pH by shock-freezing in liquid nitrogen. <i>Turkish Journal of Chemistry</i> , 2015 , 39, 676-682	1	1
287	Biosynthesis of homoarginine (hArg) and asymmetric dimethylarginine (ADMA) from acutely and chronically administered free L-arginine in humans. <i>Amino Acids</i> , 2015 , 47, 1893-908	3.5	33
286	Serum and cerebrospinal fluid concentrations of homoarginine, arginine, asymmetric and symmetric dimethylarginine, nitrite and nitrate in patients with multiple sclerosis and neuromyelitis optica. <i>Amino Acids</i> , 2015 , 47, 1837-45	3.5	26
285	A review and discussion of platelet nitric oxide and nitric oxide synthase: do blood platelets produce nitric oxide from L-arginine or nitrite?. <i>Amino Acids</i> , 2015 , 47, 1779-93	3.5	46
284	Measurement of unlabeled and stable isotope-labeled homoarginine, arginine and their metabolites in biological samples by GC-MS and GC-MS/MS. <i>Amino Acids</i> , 2015 , 47, 2023-34	3.5	19
283	Pitfalls with nitric oxide synthase activity assays and their avoidance by gas chromatography-mass spectrometry. <i>Kidney International</i> , 2015 , 87, 860-1	9.9	2
282	The L-arginine/NO pathway and homoarginine are altered in Duchenne muscular dystrophy and improved by glucocorticoids. <i>Amino Acids</i> , 2015 , 47, 1853-63	3.5	29
281	Measurement of free and glucuronic acid-conjugated 8-iso-prostaglandin F _{2β} by immunoaffinity chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2015 , 1420, 135	4.5	1
280	Casein Compared with Whey Proteins Affects the Organization of Dietary Fat during Digestion and Attenuates the Postprandial Triglyceride Response to a Mixed High-Fat Meal in Healthy, Overweight Men. <i>Journal of Nutrition</i> , 2015 , 145, 2657-64	4.1	27
279	Homoarginine (hArg) and asymmetric dimethylarginine (ADMA) in short stature children without and with growth hormone deficiency: hArg and ADMA are involved differently in growth in the childhood. <i>Amino Acids</i> , 2015 , 47, 1875-83	3.5	12
278	Acute application of antioxidants protects against hyperoxia-induced reduction of plasma nitrite concentration. <i>Clinical Physiology and Functional Imaging</i> , 2015 , 35, 76-80	2.4	7
277	Asymmetric dimethylarginine (ADMA) in human blood: effects of extended haemodialysis in the critically ill patient with acute kidney injury, protein binding to human serum albumin and proteolysis by thermolysin. <i>Amino Acids</i> , 2015 , 47, 1983-93	3.5	10
276	Plasma ADMA associates with all-cause mortality in renal transplant recipients. <i>Amino Acids</i> , 2015 , 47, 1941-9	3.5	24
275	The L-arginine/NO pathway, homoarginine, and nitrite-dependent renal carbonic anhydrase activity in young people with type 1 diabetes mellitus. <i>Amino Acids</i> , 2015 , 47, 1865-74	3.5	18
274	Effects of chronic oral L-arginine administration on the L-arginine/NO pathway in patients with peripheral arterial occlusive disease or coronary artery disease: L-Arginine prevents renal loss of nitrite, the major NO reservoir. <i>Amino Acids</i> , 2015 , 47, 1961-74	3.5	27
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14	Analysis of leukotrienes, prostaglandins, thromboxane B2 and their metabolites by capillary isotachopheresis. <i>Electrophoresis</i> , 1993 , 14, 664-6	3.6	9
13	Enzymatic and chemical labelling of prostaglandin E1 and 13,14-dihydro-15-keto-prostaglandin E1. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1993 , 33, 1139-1149	1.9	5
12	Gas chromatographic-mass spectrometric determination of leukotriene E4 in human urine using deuterium-labelled leukotriene E4 standards. <i>Biomedical Applications</i> , 1993 , 622, 1-7		12
11	Analysis of leukotriene B4 as free acid and its lactone by high-performance liquid chromatography: a study on the stability and formation of leukotriene B4 lactone. <i>Fresenius Journal of Analytical Chemistry</i> , 1993 , 347, 376-381		1
10	Impaired degradation of leukotrienes in patients with peroxisome deficiency disorders. <i>Journal of Clinical Investigation</i> , 1993 , 91, 881-8	15.9	56
9	Enzymic preparation of dioxygen-18 labelled leukotriene E4 and its use in quantitative gas chromatography-mass spectrometry. <i>Biomedical Applications</i> , 1992 , 574, 181-7		10
8	High-performance liquid chromatography of glutathione conjugates. <i>Fresenius Journal of Analytical Chemistry</i> , 1992 , 343, 326-329		6
7	High-performance liquid chromatography of glutathione conjugates. <i>Fresenius Journal of Analytical Chemistry</i> , 1992 , 343, 330-334		11
6	Determination of nitrite as pentafluorobenzyl derivative by RP-HPLC and UV detection with and without ion-pair extraction. <i>Fresenius Journal of Analytical Chemistry</i> , 1992 , 344, 256-260		4
5	Determination of chloride in biological fluids as pentafluorobenzylchloride by reversed-phase high-performance liquid chromatography and UV detection. <i>Chromatographia</i> , 1992 , 33, 317-320	2.1	9
4	Determination of endothelium-derived nitrite/nitrate by gas chromatography/tandem mass spectrometry using (15N)NaNO ₂ as internal standard. <i>Biological Mass Spectrometry</i> , 1992 , 21, 97-102		27
3	Synthesis of [14,15,17,17,18,18-2H ₆]-leukotriene B4. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1992 , 31, 341-348	1.9	1

2	Analysis of cysteinyl leukotrienes and leukotriene B4 by gas chromatography-(tandem) mass spectrometry. <i>Eicosanoids</i> , 1992 , 5 Suppl, S7-9		1
1	Enhanced urinary excretion of leukotriene E4 by patients with multiple trauma with or without adult respiratory distress syndrome. <i>Clinical Science</i> , 1991 , 80, 497-504	6.5	29