

Dimitrios Tsikas

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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	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
396	Analysis of nitrite and nitrate in biological fluids by assays based on the Griess reaction: appraisal of the Griess reaction in the L-arginine/nitric oxide area of research. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 851, 51-70	3.2	451
395	LDL cholesterol upregulates synthesis of asymmetrical dimethylarginine in human endothelial cells: involvement of S-adenosylmethionine-dependent methyltransferases. <i>Circulation Research</i> , 2000 , 87, 99-105	15.7	422
394	Endothelial dysfunction and raised plasma concentrations of asymmetric dimethylarginine in pregnant women who subsequently develop pre-eclampsia. <i>Lancet, The</i> , 2003 , 361, 1511-7	4.0	402
393	Reduced urinary excretion of nitric oxide metabolites and increased plasma levels of asymmetric dimethylarginine in men with essential hypertension. <i>Journal of Cardiovascular Pharmacology</i> , 1999 , 33, 652-8	3.1	338
392	Cardiovascular effects of systemic nitric oxide synthase inhibition with asymmetrical dimethylarginine in humans. <i>Circulation</i> , 2004 , 109, 172-7	16.7	334
391	Endothelial nitric oxide synthase uncoupling impairs endothelial progenitor cell mobilization and function in diabetes. <i>Diabetes</i> , 2007 , 56, 666-74	0.9	329
390	Oxidative stress and human diseases: Origin, link, measurement, mechanisms, and biomarkers. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2009 , 46, 241-81	9.4	296
389	Methods of quantitative analysis of the nitric oxide metabolites nitrite and nitrate in human biological fluids. <i>Free Radical Research</i> , 2005 , 39, 797-815	4	248
388	Age-dependent impairment of endothelial progenitor cells is corrected by growth-hormone-mediated increase of insulin-like growth-factor-1. <i>Circulation Research</i> , 2007 , 100, 434-437	15.7	239
387	Urinary 8-iso-prostaglandin F2alpha as a risk marker in patients with coronary heart disease: a matched case-control study. <i>Circulation</i> , 2004 , 109, 843-8	16.7	230
386	Suppression of endothelial progenitor cells in human coronary artery disease by the endogenous nitric oxide synthase inhibitor asymmetric dimethylarginine. <i>Journal of the American College of Cardiology</i> , 2005 , 46, 1693-701	15.1	202
385	Endogenous nitric oxide synthase inhibitors are responsible for the L-arginine paradox. <i>FEBS Letters</i> , 2000 , 478, 1-3	3.8	201
384	L-arginine-induced vasodilation in healthy humans: pharmacokinetic-pharmacodynamic relationship. <i>British Journal of Clinical Pharmacology</i> , 1998 , 46, 489-97	3.8	189
383	Simultaneous derivatization and quantification of the nitric oxide metabolites nitrite and nitrate in biological fluids by gas chromatography/mass spectrometry. <i>Analytical Chemistry</i> , 2000 , 72, 4064-72	7.8	183
382	ADMA and oxidative stress are responsible for endothelial dysfunction in hyperhomocyst(e)inemia: effects of L-arginine and B vitamins. <i>Cardiovascular Research</i> , 2003 , 57, 244-52	9.9	163
381	L-arginine infusion decreases peripheral arterial resistance and inhibits platelet aggregation in healthy subjects. <i>Clinical Science</i> , 1994 , 87, 303-10	6.5	142

380	Measurement of nitrite and nitrate in biological fluids by gas chromatography-mass spectrometry and by the Griess assay: problems with the Griess assay--solutions by gas chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 1997 , 244, 208-20	3.1	130
379	Application of gas chromatography-mass spectrometry and gas chromatography-tandem mass spectrometry to assess in vivo synthesis of prostaglandins, thromboxane, leukotrienes, isoprostanes and related compounds in humans. <i>Biomedical Applications</i> , 1998 , 717, 201-45		119
378	Quantification of endocannabinoids in biological systems by chromatography and mass spectrometry: a comprehensive review from an analytical and biological perspective. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 706-23	5	118
377	L-arginine induces nitric oxide-dependent vasodilation in patients with critical limb ischemia. A randomized, controlled study. <i>Circulation</i> , 1996 , 93, 85-90	16.7	118
376	A critical review and discussion of analytical methods in the L-arginine/nitric oxide area of basic and clinical research. <i>Analytical Biochemistry</i> , 2008 , 379, 139-63	3.1	108
375	Quantitative determination of circulating and urinary asymmetric dimethylarginine (ADMA) in humans by gas chromatography-tandem mass spectrometry as methyl ester tri(N-pentafluoropropionyl) derivative. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 788, 87-93	3.2	108
374	Signal transducer and activator of transcription 3-mediated regulation of miR-199a-5p links cardiomyocyte and endothelial cell function in the heart: a key role for ubiquitin-conjugating enzymes. <i>European Heart Journal</i> , 2011 , 32, 1287-97	9.5	99
373	Quantification of nitrite and nitrate in human urine and plasma as pentafluorobenzyl derivatives by gas chromatography-mass spectrometry using their ¹⁵ N-labelled analogs. <i>Biomedical Applications</i> , 1994 , 661, 185-91		99
372	Improvement in left ventricular remodeling by the endothelial nitric oxide synthase enhancer AVE9488 after experimental myocardial infarction. <i>Circulation</i> , 2008 , 118, 818-27	16.7	98
371	Divergence in urinary 8-iso-PGF(2alpha) (iPF(2alpha)-III, 15-F(2t)-IsoP) levels from gas chromatography-tandem mass spectrometry quantification after thin-layer chromatography and immunoaffinity column chromatography reveals heterogeneity of 8-iso-PGF(2alpha). Possible methodological, mechanistic and clinical implications. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 933, 884-891	3.2	88
370	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
369	Chronic angiotensin II receptor blockade reduces (intra)renal vascular resistance in patients with type 2 diabetes. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 1135-40	12.7	82
368	Simultaneous UPLC-MS/MS quantification of the endocannabinoids 2-arachidonoyl glycerol (2AG), 1-arachidonoyl glycerol (1AG), and anandamide in human plasma: minimization of matrix-effects, 2AG/1AG isomerization and degradation by toluene solvent extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 933, 884-891	3.2	77
367	GC-MS determination of creatinine in human biological fluids as pentafluorobenzyl derivative in clinical studies and biomonitoring: Inter-laboratory comparison in urine with Jaffé-HPLC and enzymatic assays. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 876, 2562-62	3.2	73
366	Gas chromatographic-tandem mass spectrometric quantification of free 3-nitrotyrosine in human plasma at the basal state. <i>Analytical Biochemistry</i> , 1999 , 276, 195-203	3.1	73
365	Recent methodological advances in the mass spectrometric analysis of free and protein-associated 3-nitrotyrosine in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 814, 1-9	3.2	71
364	Analysis of eicosanoids by LC-MS/MS and GC-MS/MS: a historical retrospect and a discussion. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 964, 79-88	3.2	70
363	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

362	Assessment of nitric oxide synthase activity in vitro and in vivo by gas chromatography-mass spectrometry. <i>Biomedical Applications</i> , 2000 , 742, 143-53		68
361	Nebivolol decreases systemic oxidative stress in healthy volunteers. <i>British Journal of Clinical Pharmacology</i> , 2000 , 50, 377-9	3.8	67
360	Accurate quantification of dimethylamine (DMA) in human urine by gas chromatography-mass spectrometry as pentafluorobenzamide derivative: evaluation of the relationship between DMA and its precursor asymmetric dimethylarginine (ADMA) in health and disease. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 851, 229-39	3.2	66
359	Analysis of cysteine and N-acetylcysteine in human plasma by high-performance liquid chromatography at the basal state and after oral administration of N-acetylcysteine. <i>Biomedical Applications</i> , 1998 , 708, 55-60		65
358	Inhibition of platelet aggregation by S-nitroso-cysteine via cGMP-independent mechanisms: evidence of inhibition of thromboxane A2 synthesis in human blood platelets. <i>FEBS Letters</i> , 1999 , 442, 162-6	3.8	65
357	Nitro-fatty acids occur in human plasma in the picomolar range: a targeted nitro-lipidomics GC-MS/MS study. <i>Lipids</i> , 2009 , 44, 855-65	1.6	63
356	Investigations of S-transnitrosylation reactions between low- and high-molecular-weight S-nitroso compounds and their thiols by high-performance liquid chromatography and gas chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 1999 , 270, 231-41	3.1	63
355	Oxidative damage in clinical ischemia/reperfusion injury: a reappraisal. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 535-45	8.4	61
354	Tandem mass spectrometric quantification of 8-iso-prostaglandin F2alpha and its metabolite 2,3-dinor-5,6-dihydro-8-iso-prostaglandin F2alpha in human urine. <i>Biomedical Applications</i> , 2000 , 744, 99-112		61
353	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 F2alpha and nitric oxide (NO). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical</i>	3.2	59
352	Circulating and excretory nitrite and nitrate as indicators of nitric oxide synthesis in humans: methods of analysis. <i>European Journal of Clinical Pharmacology</i> , 2006 , 62, 51-59	2.8	56
351	Growth hormone treatment improves markers of systemic nitric oxide bioavailability via insulin-like growth factor-I. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 4172-9	5.6	56
350	Impaired degradation of leukotrienes in patients with peroxisome deficiency disorders. <i>Journal of Clinical Investigation</i> , 1993 , 91, 881-8	15.9	56
349	Asymmetric dimethylarginine (ADMA)--a modulator of nociception in opiate tolerance and addiction?. <i>Nitric Oxide - Biology and Chemistry</i> , 2007 , 17, 55-9	5	55
348	Simplified HPLC method for urinary and circulating creatinine. <i>Clinical Chemistry</i> , 2004 , 50, 201-3	5.5	52
347	Determination of S-nitrosoglutathione in human and rat plasma by high-performance liquid chromatography with fluorescence and ultraviolet absorbance detection after precolumn derivatization with o-phthalaldehyde. <i>Analytical Biochemistry</i> , 1999 , 273, 32-40	3.1	52
346	Lack of oxidative stress during sustained therapy with isosorbide dinitrate and pentaerythryl tetranitrate in healthy humans: a randomized, double-blind crossover study. <i>Journal of Cardiovascular Pharmacology</i> , 2003 , 41, 284-92	3.1	51
345	Mass spectrometry and 3-nitrotyrosine: strategies, controversies, and our current perspective. <i>Mass Spectrometry Reviews</i> , 2014 , 33, 237-76	11	50

344	Early renal ischemia-reperfusion injury in humans is dominated by IL-6 release from the allograft. <i>American Journal of Transplantation</i> , 2009 , 9, 1574-84	8.7	50
343	Clostridium difficile toxins A and B directly stimulate human mast cells. <i>Infection and Immunity</i> , 2007 , 75, 3868-76	3.7	49
342	Effects of specific COX-2-inhibition on renin release and renal and systemic prostanoid synthesis in healthy volunteers. <i>Kidney International</i> , 2005 , 68, 2197-207	9.9	47
341	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
340	N-Acetylcysteine ethyl ester (NACET): a novel lipophilic cell-permeable cysteine derivative with an unusual pharmacokinetic feature and remarkable antioxidant potential. <i>Biochemical Pharmacology</i> , 2012 , 84, 1522-33	6	46
339	Bronchial epithelial cell-derived prostaglandin E2 dampens the reactivity of dendritic cells. <i>Journal of Immunology</i> , 2011 , 186, 2095-105	5.3	46
338	HPLC analysis of human erythrocytic glutathione forms using OPA and N-acetyl-cysteine ethyl ester: evidence for nitrite-induced GSH oxidation to GSSG. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 3405-17	3.2	45
337	Electrospray ionization mass spectrometry of low-molecular-mass S-nitroso compounds and their thiols. <i>Biomedical Applications</i> , 2000 , 742, 99-108		44
336	Analytical methods for 3-nitrotyrosine quantification in biological samples: the unique role of tandem mass spectrometry. <i>Amino Acids</i> , 2012 , 42, 45-63	3.5	43
335	Glutathione promotes prostaglandin H synthase (cyclooxygenase)-dependent formation of malondialdehyde and 15(S)-8-iso-prostaglandin F2 α . <i>FEBS Letters</i> , 2012 , 586, 3723-30	3.8	43
334	Asymmetric dimethylarginine, arginine and homoarginine at 11-13 weeks of gestation and preeclampsia: a case-control study. <i>Journal of Human Hypertension</i> , 2013 , 27, 38-43	2.6	43
333	Specific and rapid quantification of 8-iso-prostaglandin F2 α in urine of healthy humans and patients with Zellweger syndrome by gas chromatography-tandem mass spectrometry. <i>Biomedical Applications</i> , 1998 , 716, 7-17		43
332	Developmental changes in the L-arginine/nitric oxide pathway from infancy to adulthood: plasma asymmetric dimethylarginine levels decrease with age. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007 , 45, 1525-30	5.9	43
331	Elevated plasma and urine levels of ADMA and 15(S)-8-iso-PGF2 α in end-stage liver disease. <i>Hepatology</i> , 2003 , 38, 1063-1064	11.2	43
330	Hypercholesterolemia impairs basal nitric oxide synthase turnover rate: a study investigating the conversion of L-[guanidino-(15)N(2)]-arginine to (15)N-labeled nitrate by gas chromatography-mass spectrometry. <i>Nitric Oxide - Biology and Chemistry</i> , 2004 , 11, 1-8	5	43
329	Determination of 3-nitrotyrosine in human urine at the basal state by gas chromatography-tandem mass spectrometry and evaluation of the excretion after oral intake. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 827, 146-56	3.2	43
328	Measurement of S-nitrosoalbumin by gas chromatography-mass spectrometry. <i>Biomedical Applications</i> , 1999 , 726, 13-24		43
327	Elevated plasma and urine levels of ADMA and 15(S)-8-iso-PGF2 α in end-stage liver disease. <i>Hepatology</i> , 2003 , 38, 1063-4	11.2	42

326	Resveratrol protects against atherosclerosis, but does not add to the antiatherogenic effect of atorvastatin, in APOE*3-Leiden.CETP mice. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 1423-30	6.3	41
325	Specific GC-MS/MS stable-isotope dilution methodology for free 9- and 10-nitro-oleic acid in human plasma challenges previous LC-MS/MS reports. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2895-908	3.2	41
324	Human plasma concentrations of malondialdehyde (MDA) and the F2-isoprostane 15(S)-8-iso-PGF(2alpha) may be markedly compromised by hemolysis: evidence by GC-MS/MS and potential analytical and biological ramifications. <i>Clinical Biochemistry</i> , 2010 , 43, 159-67	3.5	41
323	Renal carbonic anhydrases are involved in the reabsorption of endogenous nitrite. <i>Nitric Oxide - Biology and Chemistry</i> , 2012 , 26, 126-31	5	38
322	Effects of successive air and nitrox dives on human vascular function. <i>European Journal of Applied Physiology</i> , 2012 , 112, 2131-7	3.4	38
321	Simultaneous measurement of [15N]nitrate and [15N]nitrite enrichment and concentration in urine by gas chromatography mass spectrometry as pentafluorobenzyl derivatives. <i>Analytical Chemistry</i> , 2010 , 82, 2585-7	7.8	38
320	Accurate quantification of basal plasma levels of 3-nitrotyrosine and 3-nitrotyrosinoalbumin by gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 784, 77-90	3.2	38
319	Artifactual-free analysis of S-nitrosoglutathione and S-nitroglutathione by neutral-pH, anion-pairing, high-performance liquid chromatography. Study on peroxyxynitrite-mediated S-nitration of glutathione to S-nitroglutathione under physiological conditions. <i>Journal of Chromatography A</i> , 2001 , 915, 167-76	4.5	38
318	In vitro effects of a novel class of nitric oxide (NO) donating compounds on isolated human erectile tissue. <i>European Urology</i> , 2002 , 42, 523-8	10.2	37
317	Effects of various nitric oxide-donating drugs on adrenergic tension of human seminal vesicles in vitro. <i>Urology</i> , 2003 , 61, 479-83	1.6	37
316	Targeted stable-isotope dilution GC-MS/MS analysis of the endocannabinoid anandamide and other fatty acid ethanol amides in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2909-23	3.2	36
315	Quantitative analysis of biomarkers, drugs and toxins in biological samples by immunoaffinity chromatography coupled to mass spectrometry or tandem mass spectrometry: A focused review of recent applications. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 133-40	3.2	36
314	URINARY NO ₃ ⁻ EXCRETION AS AN INDICATOR OF NITRIC OXIDE FORMATION IN VIVO DURING ORAL ADMINISTRATION OF L-ARGININE OR L-NAME IN RATS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010 , 23, 11-15	3	35
313	Positive correlation between plasma nitrite and performance during high-intensive exercise but not oxidative stress in healthy men. <i>Nitric Oxide - Biology and Chemistry</i> , 2010 , 23, 128-35	5	35
312	A proposal for comparing methods of quantitative analysis of endogenous compounds in biological systems by using the relative lower limit of quantification (rLLOQ). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2244-51	3.2	35
311	Quantification of acetaminophen (paracetamol) in human plasma and urine by stable isotope-dilution GC-MS and GC-MS/MS as pentafluorobenzyl ether derivative. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011 , 879, 2274-80	3.2	35
310	Effects of asymmetric dimethylarginine (ADMA) infusion in humans. <i>European Journal of Clinical Pharmacology</i> , 2006 , 62, 39-44	2.8	35
309	Rapid and selective inhibition of platelet aggregation and thromboxane formation by intravenous low dose aspirin in man. <i>Clinical Science</i> , 1993 , 84, 517-24	6.5	35

308	Measurement of S-nitrosoalbumin by gas chromatography--mass spectrometry. III. Quantitative determination in human plasma after specific conversion of the S-nitroso group to nitrite by cysteine and Cu(2+) via intermediate formation of S-nitrosocysteine and nitric oxide. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002 , 772, 335-46	3.2	34
307	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
306	Asymmetric dimethylarginine (ADMA) and the risk for coronary heart disease: the multicenter CARDIAC study. <i>European Journal of Clinical Pharmacology</i> , 2006 , 62, 45-49	2.8	33
305	GC-MS and GC-MS/MS measurement of the cardiovascular risk factor homoarginine in biological samples. <i>Amino Acids</i> , 2014 , 46, 2205-17	3.5	31
304	UPLC-MS/MS measurement of S-nitrosoglutathione (GSNO) in human plasma solves the S-nitrosothiol concentration enigma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013 , 927, 147-57	3.2	31
303	Circulating and excretory nitrite and nitrate: their value as measures of nitric oxide synthesis, bioavailability and activity is inherently limited. <i>Nitric Oxide - Biology and Chemistry</i> , 2015 , 45, 1-3	5	31
302	Doubts concerning functional endothelial nitric oxide synthase in human erythrocytes. <i>Blood</i> , 2012 , 119, 1322-3	2.2	31
301	High urinary homoarginine excretion is associated with low rates of all-cause mortality and graft failure in renal transplant recipients. <i>Amino Acids</i> , 2015 , 47, 1827-36	3.5	30
300	Do homoarginine and asymmetric dimethylarginine act antagonistically in the cardiovascular system?. <i>Circulation Journal</i> , 2014 , 78, 2094-5	2.9	30
299	Urinary asymmetric dimethylarginine (ADMA) is a predictor of mortality risk in patients with coronary artery disease. <i>International Journal of Cardiology</i> , 2012 , 156, 289-94	3.2	30
298	S-Transnitrosylation of albumin in human plasma and blood in vitro and in vivo in the rat. <i>BBA - Proteins and Proteomics</i> , 2001 , 1546, 422-34		30
297	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
296	Oxidized and nitrated oleic acid in biological systems: analysis by GC-MS/MS and LC-MS/MS, and biological significance. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 694-705	5	29
295	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
294	Plasma nitrite concentration decreases after hyperoxia-induced oxidative stress in healthy humans. <i>Clinical Physiology and Functional Imaging</i> , 2012 , 32, 404-8	2.4	28
293	Mass Spectrometric Analysis of F2-Isoprostanes: Markers and Mediators in Human Disease. <i>Current Pharmaceutical Analysis</i> , 2007 , 3, 39-51	0.6	28
292	Effects of various nitric oxide donating agents on the contractility and cyclic nucleotide turnover of human seminal vesicles in vitro. <i>Urology</i> , 2002 , 59, 958-62	1.6	28
291	Determination of nitric oxide metabolites by means of the Griess assay and gas chromatography-mass spectrometry in the cavernous and systemic blood of healthy males and patients with erectile dysfunction during different functional conditions of the penis. <i>Urological Research</i> , 2000 , 28, 364-9		28

290	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
289	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
288	High-performance liquid chromatography ultraviolet assay for human erythrocytic catalase activity by measuring glutathione as o-phthalaldehyde derivative. <i>Analytical Biochemistry</i> , 2011 , 410, 296-303	3.1	27
287	Gas chromatographic-tandem mass spectrometric determination of acetylsalicylic acid in human plasma after oral administration of low-dose aspirin and guaiacum. <i>Biomedical Applications</i> , 1998 , 709, 79-88		27
286	Trouble with the analysis of nitrite, nitrate, S-nitrosothiols and 3-nitrotyrosine: freezing-induced artifacts?. <i>Nitric Oxide - Biology and Chemistry</i> , 2004 , 11, 209-13; author reply 214-5	5	27
285	Methodological considerations on the detection of 3-nitrotyrosine in the cardiovascular system. <i>Circulation Research</i> , 2002 , 90, E70	15.7	27
284	Affinity chromatography as a method for sample preparation in gas chromatography/mass spectrometry. <i>Journal of Proteomics</i> , 2001 , 49, 705-31		27
283	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
282	Creatine is a Conditionally Essential Nutrient in Chronic Kidney Disease: A Hypothesis and Narrative Literature Review. <i>Nutrients</i> , 2019 , 11,	6.7	26
281	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
280	Measurement of nitric oxide synthase activity in vivo and in vitro by gas chromatography-mass spectrometry. <i>Methods in Molecular Biology</i> , 2004 , 279, 81-103	1.4	26
279	Measurement of physiological S-nitrosothiols: a problem child and a challenge. <i>Nitric Oxide - Biology and Chemistry</i> , 2003 , 9, 53-5	5	26
278	Is S-nitroso-N-acetyl-L-cysteine a circulating or an excretory metabolite of nitric oxide (NO) in man? Assessment by gas chromatography-mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 220, 939-44	3.4	26
277	Effect of captopril on prostacyclin and nitric oxide formation in healthy human subjects: interaction with low dose acetylsalicylic acid. <i>British Journal of Clinical Pharmacology</i> , 1996 , 42, 721-7	3.8	26
276	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
275	Simultaneous GC-ECN-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
274	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
273	Gas chromatography-mass spectrometry analysis of nitrite in biological fluids without derivatization. <i>Analytical Chemistry</i> , 2010 , 82, 5384-90	7.8	25

272	Rapeseed protein in a high-fat mixed meal alleviates postprandial systemic and vascular oxidative stress and prevents vascular endothelial dysfunction in healthy rats. <i>Journal of Nutrition</i> , 2009 , 139, 1660-6	4.1	25
271	Nitrite correlates with 3-nitrotyrosine but not with the F(2)-isoprostane 15(S)-8-iso-PGF(2alpha) in urine of rheumatic patients. <i>Nitric Oxide - Biology and Chemistry</i> , 2009 , 21, 210-5	5	25
270	Plasma ADMA associates with all-cause mortality in renal transplant recipients. <i>Amino Acids</i> , 2015 , 47, 1941-9	3.5	24
269	Homoarginine and 3-nitrotyrosine in patients with takotsubo cardiomyopathy. <i>International Journal of Cardiology</i> , 2014 , 173, 546-7	3.2	24
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139	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
138	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
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127	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
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11	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
10	Lysine and homoarginine are closely interrelated metabolites in the rat.. <i>Amino Acids</i> , 2022 , 1	3.5	0
9	Can nitric oxide synthase activity be unequivocally measured in red Blood cells and platelets? if yes, by which assay?. <i>Redox Biology</i> , 2015 , 5, 409-11	11.3	
8	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	
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