CITATION REPORT List of articles citing

Arginase: a critical regulator of nitric oxide synthesis and vascular function

DOI: 10.1111/j.1440-1681.2007.04638.x Clinical and Experimental Pharmacology and Physiology, 2007, 34, 906-11.

Source: https://exaly.com/paper-pdf/42838288/citation-report.pdf

Version: 2024-04-20

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
410	INTRODUCTION. Clinical and Experimental Pharmacology and Physiology, 2007 , 34, 905-905	3	
409	A long-term study on female mice fed on a genetically modified soybean: effects on liver ageing. 2008 , 130, 967-77		61
408	Automated GC-MS analysis of free amino acids in biological fluids. 2008 , 870, 222-32		141
407	Microvascular function and ageing L-arginine, tetrahydrobiopterin and the search for the fountain of vascular youth. 2008 , 586, 2041-2		4
406	Hypoxia-induced pulmonary vascular remodeling and right ventricular hypertrophy is unaltered by long-term oral L-arginine administration. 2008 , 49, 71-6		11
405	Regulation of smooth muscle by inducible nitric oxide synthase and NADPH oxidase in vascular proliferative diseases. 2008 , 44, 1232-45		45
404	Involvement of altered arginase activity, arginase I expression and NO production in accelerated intimal hyperplasia following cigarette smoke extract. 2008 , 83, 453-9		4
403	Nitric oxide levels in the intestines of mice submitted to ischemia and reperfusion: L-arginine effects. 2008 , 40, 830-5		28
402	Arginase release by primary hepatocytes and liver slices results in rapid conversion of arginine to urea in cell culture media. 2008 , 22, 1094-8		5
401	Arginase and vascular aging. 2008, 105, 1632-42		120
400	Arginine and arginase: endothelial NO synthase double crossed?. 2008 , 102, 866-8		28
399	Endothelial dysfunction: from molecular mechanisms to measurement, clinical implications, and therapeutic opportunities. 2008 , 10, 1631-74		131
398	Mechanisms of vasculopathy in sickle cell disease and thalassemia. 2008 , 177-85		118
397	Upregulation of arginase expression and activity in hypertensive rats exposed to chronic intermittent hypobaric hypoxia. 2009 , 10, 373-81		10
396	Arginase inhibition restores NOS coupling and reverses endothelial dysfunction and vascular stiffness in old rats. 2009 , 107, 1249-57		185
395	A possible mechanism for the apocynin-induced nitric oxide accumulation in plants. 2009 , 4, 880-2		1
394	Extracellular activation of arginase-1 decreases enterocyte inducible nitric oxide synthase activity during systemic inflammation. 2009 , 297, G840-8		5

(2009-2009)

393	Characterization of a preclinical model of chronic ischemic wound. 2009 , 37, 211-24	78
392	Arginase activity and magnesium levels in blood of children with diabetes mellitus. 2009 , 20, 319-34	10
391	Hypoxia promotes human pulmonary artery smooth muscle cell proliferation through induction of arginase. 2009 , 297, L1151-9	69
390	Arginase promotes neointima formation in rat injured carotid arteries. 2009 , 29, 488-94	52
389	Arginase enzymes in isolated airways from normal and nitric oxide synthase 2-knockout mice exposed to ovalbumin. 2009 , 234, 273-80	38
388	Arginine metabolism and nutrition in growth, health and disease. 2009 , 37, 153-68	799
387	Recent advances in arginine metabolism: roles and regulation of the arginases. 2009, 157, 922-30	360
386	Characterization of arginase 1 gene polymorphisms in the Algerian population and association with blood pressure. 2009 , 42, 1178-82	17
385	The impact of noncoding RNA on the biochemical and molecular mechanisms of aging. 2009, 1790, 970-9	35
384	Paradoxical effect of L-arginine: acceleration of endothelial cell senescence. 2009 , 386, 650-5	33
383	Gastrointestinal dysfunction in diabetic rats relates with a decline in tissue L-arginine content and consequent low levels of nitric oxide. 2009 , 20, 129-33	16
382	Role of arginine in superficial wound healing in man. 2009 , 21, 175-83	80
381	Diminished global arginine bioavailability and increased arginine catabolism as metabolic profile of increased cardiovascular risk. 2009 , 53, 2061-7	137
380	The ageing endothelium, cardiovascular risk and disease in man. 2009 , 94, 317-21	42
379	Does the different proteomic profile found in apical and basal leaves of spinach reveal a strategy of this plant toward cadmium pollution response?. 2009 , 8, 2519-29	29
378	Arginase activity mediates retinal inflammation in endotoxin-induced uveitis. 2009 , 175, 891-902	52
377	Advancing from immunonutrition to a pharmaconutrition: a gigantic challenge. 2009 , 12, 398-403	26

375	Regulation of nitric oxide production in health and disease. 2010 , 13, 97-104	209
374	Combined infusion of glutamine and arginine: does it make sense?. 2010 , 13, 70-4	27
373	Vascular arginase contributes to arteriolar endothelial dysfunction in a rat model of hemorrhagic shock. 2010 , 69, 384-91	13
372	Caloric restriction reverses high-fat diet-induced endothelial dysfunction and vascular superoxide production in C57Bl/6 mice. 2010 , 25, 254-62	59
371	Endothelial arginase II responds to pharmacological inhibition by elevation in protein level. 2010 , 343, 211-6	11
370	Modulating the NO generating system from a medicinal chemistry perspective: current trends and therapeutic options in cardiovascular disease. 2010 , 126, 279-300	32
369	Hyperlipidemic versus healthy pancreases: a proteomic analysis using an animal model. 2010 , 62, 781-9	4
368	Molecular modeling of Helicobacter pylori arginase and the inhibitor coordination interactions. 2010 , 28, 626-35	31
367	Modulation of early stress-related biomarkers in cytoplasm by the antioxidants silymarin and quercetin using a cellular model of acute arsenic poisoning. 2010 , 107, 982-7	7
366	Impact of arginase II on CBF in experimental cortical impact injury in mice using MRI. 2010 , 30, 1105-9	14
365	Pulmonary hypertension in thalassemia. 2010 , 1202, 205-13	50
365 364	Pulmonary hypertension in thalassemia. 2010, 1202, 205-13 Differential activation and antagonistic function of HIF-{alpha} isoforms in macrophages are essential for NO homeostasis. 2010, 24, 491-501	50 405
	Differential activation and antagonistic function of HIF-{alpha} isoforms in macrophages are	
364	Differential activation and antagonistic function of HIF-{alpha} isoforms in macrophages are essential for NO homeostasis. 2010 , 24, 491-501 Acute L-arginine supplementation reduces the O2 cost of moderate-intensity exercise and	405
364 363	Differential activation and antagonistic function of HIF-{alpha} isoforms in macrophages are essential for NO homeostasis. 2010, 24, 491-501 Acute L-arginine supplementation reduces the O2 cost of moderate-intensity exercise and enhances high-intensity exercise tolerance. 2010, 109, 1394-403 Cardiovascular effects of arginase inhibition in spontaneously hypertensive rats with fully	405 92
364 363 362	Differential activation and antagonistic function of HIF-{alpha} isoforms in macrophages are essential for NO homeostasis. 2010, 24, 491-501 Acute L-arginine supplementation reduces the O2 cost of moderate-intensity exercise and enhances high-intensity exercise tolerance. 2010, 109, 1394-403 Cardiovascular effects of arginase inhibition in spontaneously hypertensive rats with fully developed hypertension. 2010, 87, 569-77	405 92 82
364 363 362 361	Differential activation and antagonistic function of HIF-{alpha} isoforms in macrophages are essential for NO homeostasis. 2010, 24, 491-501 Acute L-arginine supplementation reduces the O2 cost of moderate-intensity exercise and enhances high-intensity exercise tolerance. 2010, 109, 1394-403 Cardiovascular effects of arginase inhibition in spontaneously hypertensive rats with fully developed hypertension. 2010, 87, 569-77 Hypoxic upregulation of arginase II in human lung endothelial cells. 2010, 299, C1541-8 Alterations in the modulation of cerebrovascular tone and blood flow by nitric oxide synthases in	405 92 82 63

(2011-2010)

357	Experimental priapism is associated with increased oxidative stress and activation of protein degradation pathways in corporal tissue. 2010 , 22, 363-73	26
356	The effects of nitric oxide on the immune response during giardiasis. 2010 , 14, 606-612	18
355	Endothelial dysfunction and vascular disease in later life. 2010 , 67, 20-4	55
354	Vascular dysfunction in retinopathy-an emerging role for arginase. 2010 , 81, 303-9	34
353	Regulation of arginine transport and metabolism by protein kinase Calpha in endothelial cells: stimulation of CAT2 transporters and arginase activity. 2010 , 49, 260-70	14
352	Arginase inhibition mediates cardioprotection during ischaemia-reperfusion. 2010 , 85, 147-54	97
351	Regulation of arginase pathway in response to wall shear stress. 2010 , 210, 63-70	18
350	Protein tyrosine nitration in cellular signal transduction pathways. 2010 , 30, 420-9	38
349	Mechanosensitive transient receptor potential vanilloid type 1 channels contribute to vascular remodeling of rat fistula veins. 2010 , 52, 1310-20	24
348	The Endothelium, Part II: EDHF-Mediated Responses "The Classical Pathway". 2011 , 3, 1-306	2
347	Role of vascular Kinin B1 and B2 receptors in endothelial nitric oxide metabolism. 2011 , 32, 1700-5	20
346	Pre-aggregated A(25-35) alters arginine metabolism in the rat hippocampus and prefrontal cortex. 2011 , 193, 269-82	34
345	Up-regulation of arginase II contributes to pulmonary vascular endothelial cell dysfunction during experimental pulmonary embolism. 2011 , 24, 407-13	16
344	Prodrug design for the potent cardiovascular agent NEhydroxy-L-arginine (NOHA): synthetic approaches and physicochemical characterization. 2011 , 9, 5249-59	13
343	Competition of NO synthases and arginase in the airways hyperreactivity. 2011, 30, 75-83	7
342	Cerebral changes occurring in arginase and dimethylarginine dimethylaminohydrolase (DDAH) in a rat model of sleeping sickness. 2011 , 6, e16891	16
341	Arginase 2 deletion reduces neuro-glial injury and improves retinal function in a model of retinopathy of prematurity. 2011 , 6, e22460	47
340	A metabolic index of ischemic injury for perfusion-recovery of cadaveric rat livers. 2011 , 6, e28518	32

339	Reduction of N(Phydroxy-L-arginine by the mitochondrial amidoxime reducing component (mARC). 2011 , 433, 383-91	68
338	Ascorbic acid or L-arginine improves cutaneous microvascular function in chronic kidney disease. 2011 , 111, 1561-7	37
337	Increased platelet and erythrocyte arginase activity in chronic obstructive pulmonary disease associated with tobacco or wood smoke exposure. 2011 , 59, 587-92	17
336	Oral atorvastatin therapy restores cutaneous microvascular function by decreasing arginase activity in hypercholesterolaemic humans. 2011 , 589, 2093-103	54
335	Effects of almond consumption on the reduction of LDL-cholesterol: a discussion of potential mechanisms and future research directions. 2011 , 69, 171-85	68
334	Arginase II deletion increases corpora cavernosa relaxation in diabetic mice. 2011 , 8, 722-33	46
333	Hypoxia-reduced nitric oxide synthase activity is partially explained by higher arginase-2 activity and cellular redistribution in human umbilical vein endothelium. 2011 , 32, 932-40	49
332	The Endothelium, Part I: Multiple Functions of the Endothelial Cells Focus on Endothelium-Derived Vasoactive Mediators. 2011 , 3, 1-306	38
331	Down syndrome patients with pulmonary hypertension have elevated plasma levels of asymmetric dimethylarginine. 2011 , 170, 859-63	31
330	L-arginine and glycine supplementation in the repair of the irradiated colonic wall of rats. 2011 , 26, 561-8	17
330 329	L-arginine and glycine supplementation in the repair of the irradiated colonic wall of rats. 2011 , 26, 561-8 Increased expression of arginase I and II in allergic nasal mucosa. 2011 , 121, 236-40	17
329	Increased expression of arginase I and II in allergic nasal mucosa. 2011 , 121, 236-40 Reversal of hyperlipidemia with a genetic switch favorably affects the content and inflammatory	11
329 328	Increased expression of arginase I and II in allergic nasal mucosa. 2011 , 121, 236-40 Reversal of hyperlipidemia with a genetic switch favorably affects the content and inflammatory state of macrophages in atherosclerotic plaques. 2011 , 123, 989-98	11
329 328 327	Increased expression of arginase I and II in allergic nasal mucosa. 2011 , 121, 236-40 Reversal of hyperlipidemia with a genetic switch favorably affects the content and inflammatory state of macrophages in atherosclerotic plaques. 2011 , 123, 989-98 Therapeutic strategies for endothelial dysfunction. 2011 , 11, 1637-54	11 179 9
329 328 327 326	Increased expression of arginase I and II in allergic nasal mucosa. 2011, 121, 236-40 Reversal of hyperlipidemia with a genetic switch favorably affects the content and inflammatory state of macrophages in atherosclerotic plaques. 2011, 123, 989-98 Therapeutic strategies for endothelial dysfunction. 2011, 11, 1637-54 Enteral arginase II provides ornithine for citrulline synthesis. 2011, 300, E188-94 Arginase inhibition restores in vivo coronary microvascular function in type 2 diabetic rats. 2011,	11 179 9
329 328 327 326 325	Increased expression of arginase I and II in allergic nasal mucosa. 2011, 121, 236-40 Reversal of hyperlipidemia with a genetic switch favorably affects the content and inflammatory state of macrophages in atherosclerotic plaques. 2011, 123, 989-98 Therapeutic strategies for endothelial dysfunction. 2011, 11, 1637-54 Enteral arginase II provides ornithine for citrulline synthesis. 2011, 300, E188-94 Arginase inhibition restores in vivo coronary microvascular function in type 2 diabetic rats. 2011, 300, H1174-81 Arginase 1 contributes to diminished coronary arteriolar dilation in patients with diabetes. 2011,	11 179 9 14 59

(2012-2012)

321	Nitric oxide and L-arginine metabolism in a devascularized porcine model of acute liver failure. 2012 , 303, G435-41	16
320	Mouse CD11b+Gr-1+ myeloid cells can promote Th17 cell differentiation and experimental autoimmune encephalomyelitis. 2012 , 189, 4295-304	122
319	Pharmacologic agents elevating cAMP prevent arginase II expression and proliferation of pulmonary artery smooth muscle cells. 2012 , 47, 218-26	20
318	Resting blood flow in the skin: does it exist, and what is the influence of temperature, aging, and diabetes?. 2012 , 6, 674-85	28
317	Ginsenoside Rb1 reverses H2O2-induced senescence in human umbilical endothelial cells: involvement of eNOS pathway. 2012 , 59, 222-30	24
316	Short-term statin treatment does not prevent ischemia and reperfusion-induced endothelial dysfunction in humans. 2012 , 59, 22-8	9
315	Arginase enzymes in the human prostate: expression of arginase isoenzymes and effects of arginase inhibitors on isolated human prostate tissue. 2012 , 110, E1196-201	2
314	Arginase inhibition improves endothelial function in patients with coronary artery disease and type 2 diabetes mellitus. 2012 , 126, 2943-50	144
313	Effects of lipoprotein-associated phospholipase A2 on arginase/nitric oxide pathway in hemodialysis patients. 2012 , 34, 738-43	6
312	Acute l-arginine supplementation increases muscle blood volume but not strength performance. 2012 , 37, 115-26	50
311	Arginase depletes plasma l-arginine and decreases pulmonary vascular reserve during experimental pulmonary embolism. 2012 , 25, 48-54	19
310	The temporal effect of a wild blueberry (Vaccinium angustifolium)-enriched diet on vasomotor tone in the Sprague-Dawley rat. 2012 , 22, 127-32	16
309	Overexpression of (His)6-tagged human arginase I in Saccharomyces cerevisiae and enzyme purification using metal affinity chromatography. 2012 , 81, 63-68	21
308	Nitric oxide in the regulation of the sleep-wake states. 2012 , 16, 265-79	42
307	Erythropoietin alleviates post-ischemic injury of rat hearts by attenuating nitrosative stress. 2012 , 90, 776-84	19
306	Frog urinary bladder epithelial cells express TLR4 and respond to bacterial LPS by increase of iNOS expression and L-arginine uptake. 2012 , 303, R1042-52	11
305	Designing modulators of dimethylarginine dimethylaminohydrolase (DDAH): a focus on selectivity over arginase. 2012 , 27, 24-8	7
304	Endothelial dysfunction and diabetes: effects on angiogenesis, vascular remodeling, and wound healing. 2012 , 2012, 918267	327

303	Sodium nitrite therapy rescues ischemia-induced neovascularization and blood flow recovery in hypertension. 2012 , 464, 583-92	13
302	Nitric oxide: orchestrator of endothelium-dependent responses. 2012 , 44, 694-716	114
301	Relaxin improves TNF-Induced endothelial dysfunction: the role of glucocorticoid receptor and phosphatidylinositol 3-kinase signalling. 2012 , 95, 97-107	52
300	Biological roles of liver X receptors in immune cells. 2012 , 60, 235-49	32
299	Immunohistochemical study of arginase 1 and 2 in various tissues of rats. 2012 , 114, 487-94	53
298	Immunohistochemical study of arginase-1 in the spinal cords of rats with clip compression injury. 2012 , 1445, 11-9	38
297	Arginase I and the very low-density lipoprotein receptor are associated with phenotypic biomarkers for obesity. 2012 , 28, 635-9	34
296	The vascular endothelium in diabetesa therapeutic target?. 2013 , 14, 87-99	28
295	Rapid regression of atherosclerosis with MTP inhibitor treatment. 2013 , 227, 125-9	42
294	M2 macrophage polarisation is associated with alveolar formation during postnatal lung development. 2013 , 14, 41	72
293	Quantitative and phenotypic analysis of mesenchymal stromal cell graft survival and recognition by microglia and astrocytes in mouse brain. 2013 , 218, 696-705	36
292	Arginase as a target for treatment of myocardial ischemia-reperfusion injury. 2013 , 720, 121-3	16
291	Arginase as a potential target in the treatment of cardiovascular disease: reversal of arginine steal?. 2013 , 98, 334-43	204
290	Hydroxyurea responsiveness in Ethalassemic patients is determined by the stress response adaptation of erythroid progenitors and their differentiation propensity. 2013 , 98, 696-704	39
289	Arginase in retinopathy. 2013 , 36, 260-80	52
288	The consumption of low-mineral bottled water increases the risk of cardiovascular disease: an experimental study of rabbits and young men. 2013 , 168, 4454-6	6
287	Activated Rho kinase mediates diabetes-induced elevation of vascular arginase activation and contributes to impaired corpora cavernosa relaxation: possible involvement of p38 MAPK activation. 2013 , 10, 1502-15	40
286	Arginase inhibition prevents the low shear stress-induced development of vulnerable atherosclerotic plaques in ApoE-/- mice. 2013, 227, 236-43	25

(2013-2013)

285	Arginase inhibition reduces infarct size via nitric oxide, protein kinase C epsilon and mitochondrial ATP-dependent K+ channels. 2013 , 712, 16-21	23
284	Arginase inhibition improves coronary microvascular function and reduces infarct size following ischaemia-reperfusion in a rat model. 2013 , 208, 172-9	29
283	The role of adipose tissue-associated macrophages and T lymphocytes in the pathogenesis of inflammatory bowel disease. 2013 , 61, 459-68	14
282	Diet-induced obesity impairs AKT signalling in the retina and causes retinal degeneration. 2013, 31, 65-74	18
281	Arginase 1 mediates increased blood pressure and contributes to vascular endothelial dysfunction in deoxycorticosterone acetate-salt hypertension. 2013 , 4, 219	34
280	Arginase as a mediator of diabetic retinopathy. 2013 , 4, 173	41
279	Asthma management in sickle cell disease. 2013 , 2013, 604140	3
278	Arginase promotes skeletal muscle arteriolar endothelial dysfunction in diabetic rats. 2013 , 4, 119	7
277	Vasomotor regulation of coronary microcirculation by oxidative stress: role of arginase. 2013 , 4, 237	23
276	Role of arginase in vessel wall remodeling. 2013 , 4, 111	49
275	Insights into the arginine paradox: evidence against the importance of subcellular location of arginase and eNOS. 2013 , 305, H651-66	48
274	Arginase regulates red blood cell nitric oxide synthase and export of cardioprotective nitric oxide bioactivity. 2013 , 110, 15049-54	95
273	What's new in the pathophysiology of sickle cell disease?. 2013 , 22, 311-2	11
272	Selective up-regulation of arginase-1 in coronary arteries of diabetic patients. 2013 , 4, 293	13
271	Effect of stroke on arginase expression and localization in the rat brain. 2013, 37, 1193-202	44
270	L-arginine metabolism in early-onset and late-onset pre-eclamptic pregnancies. 2013, 73, 436-43	14
269	Macrophages and CSF-1: implications for development and beyond. 2013 , 9, 249-60	74
268	Erythrocyte NADPH oxidase activity modulated by Rac GTPases, PKC, and plasma cytokines contributes to oxidative stress in sickle cell disease. 2013 , 121, 2099-107	124

267	Nitric oxide synthetic pathway in red blood cells is impaired in coronary artery disease. 2013, 8, e66945	31
266	Resuscitation of ischemic donor livers with normothermic machine perfusion: a metabolic flux analysis of treatment in rats. 2013 , 8, e69758	25
265	Akita spontaneously type 1 diabetic mice exhibit elevated vascular arginase and impaired vascular endothelial and nitrergic function. 2013 , 8, e72277	23
264	Urea transporter UT-B deletion induces DNA damage and apoptosis in mouse bladder urothelium. 2013 , 8, e76952	25
263	Gr1(int)CD11b+ myeloid-derived suppressor cells in Mycobacterium tuberculosis infection. 2013 , 8, e80669	60
262	Single- and multiple-dose pharmacokinetics of arginase inhibitor NEhydroxy-nor-L-arginine, and its effect on plasma amino acids concentrations in Wistar rats. 2014 , 33, 189-98	12
261	Ageing and microvasculature. 2014 , 6, 19	58
260	Prevalence of pulmonary hypertension in sickle cell anaemia patients of a tertiary hospital in Nigeria. 2014 , 55, 161-5	14
259	Expression quantitative trait loci and receptor pharmacology implicate Arg1 and the GABA-A receptor as therapeutic targets in neuroblastoma. 2014 , 9, 1034-46	14
258	An increased arginase activity is associated with corpus cavernosum impairment induced by hypercholesterolemia. 2014 , 11, 1173-81	14
257	Chapter 22:Manganese and Huntington Disease. 2014 , 540-573	2
256	Label-free quantitative urinary proteomics identifies the arginase pathway as a new player in congenital obstructive nephropathy. 2014 , 13, 3421-34	20
255	Increased arginase levels contribute to impaired perfusion after cardiopulmonary resuscitation. 2014 , 44, 965-71	17
254	Impaired L-arginine uptake but not arginase contributes to endothelial dysfunction in rats with chronic kidney disease. 2014 , 63, 40-8	22
253	Anesthetic management of a patient with arginase deficiency undergoing liver transplantation. 2014 , 3, 85-7	3
252	Korean red ginseng water extract restores impaired endothelial function by inhibiting arginase activity in aged mice. 2014 , 18, 95-101	7
251	Peroxynitrite and peroxiredoxin in the pathogenesis of experimental amebic liver abscess. 2014 , 2014, 324230	14
250	Increased levels of circulating arginase I in overweight compared to normal weight adolescents. 2014 , 15, 51-6	12

(2015-2014)

249	Alterations of the arginine metabolome in sickle cell disease: a growing rationale for arginine therapy. 2014 , 28, 301-21	36
248	Human cytomegalovirus induces upregulation of arginase II: possible implications for vasculopathies. 2014 , 109, 401	10
247	Novel immobilization of arginase I via cellulose-binding domain and its application in producing of L-Ornitine. 2014 , 50, 43-48	5
246	HIF-2D lows out the flames of adipose tissue macrophages to keep obesity in a safe zone. 2014 , 63, 3169-71	4
245	Modulatory effect of celastrol on Th1/Th2 cytokines profile, TLR2 and CD3+ T-lymphocyte expression in a relapsing-remitting model of multiple sclerosis in rats. 2014 , 742, 102-12	29
244	Arginase II is a target of miR-17-5p and regulates miR-17-5p expression in human pulmonary artery smooth muscle cells. 2014 , 307, L197-204	14
243	Almonds inhibit dyslipidemia and vascular dysfunction in rats through multiple pathways. 2014 , 144, 1768-74	13
242	Protective effects of the neuropeptides PACAP, substance P and the somatostatin analogue octreotide in retinal ischemia: a metabolomic analysis. 2014 , 10, 1290-304	28
241	The importance of nitric oxide and arginase in the pathogenesis of acute neuroinflammation: are those contra players with the same direction?. 2014 , 26, 392-9	15
240	Cutaneous vasodilator and vasoconstrictor mechanisms in temperature regulation. 2014 , 4, 33-89	224
239	Thiamine deficiency leads to reduced nitric oxide production and vascular dysfunction in rats. 2014 , 24, 183-8	11
238	Effect of long-term treatment of L-ornithine on visual function and retinal histology in the rats. 2015 , 38, 139-43	5
237	Poly(ADP-ribose)polymerase 1 inhibition protects against age-dependent endothelial dysfunction. Clinical and Experimental Pharmacology and Physiology, 2015 , 42, 1266-74	6
236	Unveiling differences between patients with acute coronary syndrome with and without ST elevation through fingerprinting with CE-MS and HILIC-MS targeted analysis. 2015 , 36, 2303-2313	15
235	Nitric oxide inhibition strategies. 2015 , 1,	30
234	Arginine and citrulline and the immune response in sepsis. 2015 , 7, 1426-63	99
233	Citrulline Supplementation Improves Organ Perfusion and Arginine Availability under Conditions with Enhanced Arginase Activity. 2015 , 7, 5217-38	30
232	Impaired Coronary and Renal Vascular Function in Spontaneously Type 2 Diabetic Leptin-Deficient Mice. 2015 , 10, e0130648	12

231	Cytokines Modulate the "Immune-Metabolism" Interactions during Behlet Disease: Effect on Arginine Metabolism. 2015 , 2015, 241738	8
230	Understanding the Mysterious M2 Macrophage through Activation Markers and Effector Mechanisms. 2015 , 2015, 816460	790
229	Arginase as a Critical Prooxidant Mediator in the Binomial Endothelial Dysfunction-Atherosclerosis. 2015 , 2015, 924860	21
228	Arginase inhibition prevents bleomycin-induced pulmonary hypertension, vascular remodeling, and collagen deposition in neonatal rat lungs. 2015 , 308, L503-10	30
227	Relationship between Arginase 1 and Arginase 2 levels and genetic polymorphisms with erectile dysfunction. 2015 , 51, 36-42	19
226	Arginase promotes endothelial dysfunction and hypertension in obese rats. 2015 , 23, 383-90	33
225	L-arginine catabolism is driven mainly towards nitric oxide synthesis in the erythrocytes of patients with type 2 diabetes at first clinical onset. 2015 , 52, 135-43	12
224	Subsets of airway myeloid-derived regulatory cells distinguish mild asthma from chronic obstructive pulmonary disease. 2015 , 135, 413-424.e15	21
223	Indian women of childbearing age do not metabolically conserve arginine as do American and Jamaican women. 2015 , 145, 884-92	5
222	Association between brachial-ankle pulse wave velocity and the ratio of l-arginine to asymmetric dimethylarginine in patients undergoing coronary angiography. 2015 , 65, 311-7	6
221	Mutagenic and kinetic support for an allosteric site in arginase from the extreme thermophile Bacillus caldovelox, which allows activation by arginine. 2015 , 108, 8-12	6
220	Arginase activity and lecithin/sphingomyelin (l/s) ratio in the amniotic fluid of pregnant women. 2015 , 30, 84-8	2
219	Effect of Pneumoperitoneum on Oxidative Stress and Inflammation via the Arginase Pathway in Rats. 2016 , 57, 238-46	8
218	KCl-Dependent Release of Mitochondrial Membrane-Bound Arginase Appears to Be a Novel Variant of Arginase-II. 2016 , 2016, 3675283	1
217	Effect of heat stress on the serum concentrations of free amino acids and some of their metabolites in growing pigs. 2016 , 94, 2835-42	19
216	Carbamoyl Phosphate Synthetase Subunit MoCpa2 Affects Development and Pathogenicity by Modulating Arginine Biosynthesis in. 2016 , 7, 2023	12
215	Arginine behaviour after arginine or citrulline administration in older subjects. 2016 , 115, 399-404	25
214	Functional inhibition of urea transporter UT-B enhances endothelial-dependent vasodilatation and lowers blood pressure via L-arginine-endothelial nitric oxide synthase-nitric oxide pathway. 2016 , 6, 18697	10

(2016-2016)

213	Grape seed flavanols decrease blood pressure via Sirt-1 and confer a vasoprotective pattern in rats. 2016 , 24, 164-172	17
212	Influence of Statin Pretreatment on Initial Neurological Severity and Short-Term Functional Outcome in Acute Ischemic Stroke Patients: The Fukuoka Stroke Registry. 2016 , 42, 395-403	17
211	Asymmetric dimethylarginine (ADMA) elevation and arginase up-regulation contribute to endothelial dysfunction related to insulin resistance in rats and morbidly obese humans. 2016 , 594, 3045-60	42
210	Design, Synthesis, and Bioactivation of O-Glycosylated Prodrugs of the Natural Nitric Oxide Precursor N(I-Hydroxy-l-arginine. 2016 , 59, 8030-41	4
209	Modulation of rat liver urea cycle and related ammonium metabolism by sex and cafeteria diet. 2016 , 6, 11278-11288	8
208	Arginase 2 promotes neurovascular degeneration during ischemia/reperfusion injury. 2016 , 7, e2483	39
207	Nitric Oxide Releasing Coronary Stent: A New Approach Using Layer-by-Layer Coating and Liposomal Encapsulation. 2016 , 12, 6012-6023	35
206	Thirty Years of Saying NO: Sources, Fate, Actions, and Misfortunes of the Endothelium-Derived Vasodilator Mediator. 2016 , 119, 375-96	237
205	Modifying effect of intravenous laser therapy on the protein expression of arginase and epidermal growth factor receptor in type 2 diabetic patients. 2016 , 31, 1537-1545	7
204	Nitric Oxide Synthase Uncoupling in Tumor Progression and Cancer Therapy. 2016 , 139-158	
203	Arginase inhibition improves endothelial function in patients with familial hypercholesterolaemia irrespective of their cholesterol levels. 2016 , 279, 477-84	28
202	Amino acid metabolism reflecting arginase activity is increased in patients with type 2 diabetes and associated with endothelial dysfunction. 2016 , 13, 354-60	32
201	The effects of arginase inhibitor on lung oxidative stress and inflammation caused by pneumoperitoneum in rats. 2015 , 15, 129	5
200	Phenotyping hepatocellular metabolism using uniformly labeled carbon-13 molecular probes and LC-HRMS stable isotope tracing. 2016 , 508, 129-37	7
199	Deregulation of arginase induces bone complications in high-fat/high-sucrose diet diabetic mouse model. 2016 , 422, 211-220	17
198	Effects of serum uric acid levels on the arginase pathway in women with metabolic syndrome. 2016 , 185, 259-63	3
197	Metabolic biomarkers for chronic kidney disease. 2016 , 589, 62-80	28
196	Bioinformatics methods in drug repurposing for Alzheimer's disease. 2016 , 17, 322-35	50

195	Hepatocyte-secreted extracellular vesicles modify blood metabolome and endothelial function by an arginase-dependent mechanism. 2017 , 7, 42798	46
194	Levels of l-arginine and l-citrulline in patients with erectile dysfunction of different etiology. 2017 , 5, 256-261	14
193	Mechanistic Investigations Into the Developmental Toxicity of Nitrated and Heterocyclic PAHs. 2017 , 157, 246-259	29
192	Comprehensive metabonomic analysis of heart tissue from isoproterenol-induced myocardial infarction rat based on reversed-phase and hydrophilic interaction chromatography coupled to mass spectrometry. 2017 , 40, 2198-2206	14
191	Inhibition of Rho kinase protects from ischaemia-reperfusion injury via regulation of arginase activity and nitric oxide synthase in type 1 diabetes. 2017 , 14, 236-245	10
190	Macrophage heterogeneity and energy metabolism. 2017 , 360, 35-40	30
189	Hypoxia-induced proliferation of HeLa cells depends on epidermal growth factor receptor-mediated arginase II induction. 2017 , 5, e13175	8
188	Metabolic profiling of human endothelial cells during autophagy assessed in a biomimetic microfluidic device model. 2017 , 172, 42-47	4
187	l-Ornithine and l-lysine stimulate gastrointestinal motility via transient receptor potential vanilloid 1. 2017 , 61, 1700230	3
186	The effects of caffeine, caffeic acid, and their combination on acetylcholinesterase, adenosine deaminase and arginase activities linked with brain function. 2017 , 41, e12401	8
185	Effects of dietary arginine and glutamine on growth performance, nonspecific immunity, and disease resistance in relation to arginine catabolism in juvenile turbot (Scophthalmus maximus L.). 2017 , 468, 246-254	20
184	Arginine-Dual roles as an onconutrient and immunonutrient. 2017 , 115, 273-280	36
183	Serum l-Arginase in Healthy Subjects and Nitric Oxide. 2017 , 175-185	
182	AMP-Activated Protein Kinase and l-Arginine. 2017 , 31-39	
181	Pharmacokinetics and Pharmacodynamics of Promising Arginase Inhibitors. 2017 , 42, 355-370	19
180	Nitric Oxide Synthase Activity Correlates with OGG1 in Ozone-Induced Lung Injury Animal Models. 2017 , 8, 249	4
179	NOX2-Induced Activation of Arginase and Diabetes-Induced Retinal Endothelial Cell Senescence. 2017 , 6,	31
178	The Defective Arginine-Nitric Oxide Pathway in Sickle Cell Disease. 2017 , 355-371	

177	Cellular and Physiological Effects of Arginine in Seniors. 2017 , 317-336	1
176	Kidney Mass Reduction Leads to l-Arginine Metabolism-Dependent Blood Pressure Increase in Mice. 2018 , 7,	5
175	Effectiveness of arginase inhibitors against experimentally induced stroke. 2018, 391, 603-612	7
174	Alterations in plasma L-arginine and methylarginines in heart failure and after heart transplantation. 2018 , 52, 196-204	2
173	Mechanotransduction in Blood and Lymphatic Vascular Development and Disease. 2018, 81, 155-208	7
172	Assessing N -hydroxy-L-arginine applicability as a novel ethnic specific estrogen-negative breast cancer marker. 2018 , 50, 373-382	6
171	Dietary supplementation of tiger nut alters biochemical parameters relevant to erectile function in l-NAME treated rats. 2018 , 109, 358-367	12
170	Local condiments from fermented tropical legume seeds modulate activities of critical enzymes relevant to cardiovascular diseases and endothelial function. 2018 , 6, 602-608	1
169	Arginase inhibition prevents the development of hypertension and improves insulin resistance in obese rats. 2018 , 50, 747-754	13
168	l-Arginine supplementation does not improve muscle function during recovery from resistance exercise. 2018 , 43, 928-936	9
167	Arginase controls soluble vascular endothelial growth factor receptor 1 (sFlt1) to maintain pregnancy homeostasis. 2018 , 499, 150-155	3
166	Attenuated cutaneous microvascular function in healthy young African Americans: Role of intradermal l-arginine supplementation. 2018 , 118, 1-6	20
165	Influence of arginase polymorphisms and arginase levels/activity on the response to erectile dysfunction therapy with sildenafil. 2018 , 18, 238-244	8
164	Towards Metabolic Biomarkers for the Diagnosis and Prognosis of CKD. 2018 ,	O
163	L-Norvaline Reverses Cognitive Decline and Synaptic Loss in a Murine Model of Alzheimer's Disease. 2018 , 15, 1036-1054	37
162	Effects of Oral Supplementation With Nitrate-Rich Beetroot Juice in Patients With Pulmonary Arterial Hypertension-Results From BEET-PAH, an Exploratory Randomized, Double-Blind, Placebo-Controlled, Crossover Study. 2018 , 24, 640-653	14
161	Endothelium and Genetics. 2018 , 153-169	
160	Effect of combinations of caffeine and caffeic acid on key enzymes linked to hypertension (in vitro). 2018 , 18, 247-255	6

159	Serum Arginase II level can be a novel indicator for erectile dysfunction in patients with vasculogenic erectile dysfunction: a comparative study. 2018 , 50, 1389-1395	4
158	Modulation of M1/M2 polarization by capsaicin contributes to the survival of dopaminergic neurons in the lipopolysaccharide-lesioned substantia nigra in vivo. 2018 , 50, 1-14	51
157	Relationship of Transforming Growth Factor-Dand Arginase-1 Levels with Long-term Survival after Kidney Transplantation. 2018 , 38, 455-460	2
156	Plasmatic Concentrations of ADMA and Homocystein in Llama () and Regulation of Arginase Type II: An Animal Resistent to the Development of Pulmonary Hypertension Induced by Hypoxia. 2018 , 9, 606	8
155	Arginase upregulation and eNOS uncoupling contribute to impaired endothelium-dependent vasodilation in a rat model of intrauterine growth restriction. 2018 , 315, R509-R520	16
154	Arginase: A Multifaceted Enzyme Important in Health and Disease. 2018 , 98, 641-665	143
153	Elevated levels of plasma symmetric dimethylarginine and increased arginase activity as potential indicators of cardiovascular comorbidity in rheumatoid arthritis. 2018 , 20, 123	31
152	Arginase enzymes in the human prostate: A molecular biological and immunohistochemical approach. 2019 , 51, e13349	1
151	Arginine metabolism and deprivation in cancer therapy. 2019 , 118, 109210	51
150	The CD105:CD106 microparticle ratio is CD106 dominant in polycystic ovary syndrome compared to type 2 diabetes and healthy subjects. 2019 , 66, 220-225	1
149	Vitamin C and l-Arginine in Retinal Cells and Its Relationship With the Visual System. 2019, 461-483	
148	Regulation of MAP kinase-mediated endothelial dysfunction in hyperglycemia via arginase I and eNOS dysregulation. 2019 , 1866, 1398-1411	7
147	Cellular and physiological upregulation of inducible nitric oxide synthase, arginase, and inducible cyclooxygenase in wound healing. 2019 , 234, 23618-23632	10
146	Alkaloid extracts from Bitter leaf (Vernonia amygdalina) and Black nightshade (Solanum nigrum) inhibit phosphodiesterase-5, arginase activities and oxidative stress in rats penile tissue. 2019 , 43, e12889	3
145	Inflammatory monocytes are detrimental to the host immune response during acute infection with Cryptococcus neoformans. 2019 , 15, e1007627	27
144	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, transamidination, and arginase activity. 2019 , 51, 529-547	26
143	Sources of Vascular Nitric Oxide and Reactive Oxygen Species and Their Regulation. 2019 , 99, 311-379	173
142	The role of arginase in the microcirculation in cardiovascular disease. 2020 , 74, 79-92	8

141	Improvement in endothelial function in cardiovascular disease - Is arginase the target?. 2020 , 301, 207-214	19
140	Arginase inhibition by (-)-Epicatechin reverses endothelial cell aging. 2020 , 885, 173442	6
139	Cross-Talk Between Alveolar Macrophages and Lung Epithelial Cells is Essential to Maintain Lung Homeostasis. 2020 , 11, 583042	28
138	L-Arginine-Nitric Oxide-Asymmetric Dimethylarginine Pathway and the Coronary Circulation: Translation of Basic Science Results to Clinical Practice. 2020 , 11, 569914	9
137	The Intestinal Perspective of COVID-19: NOS2 and AOC1 Genes as Epidemiological Factors, and a Homeopathic Approach to their Functional Improvement. 2020 , 33, 196-221	1
136	The Genetic and Clinical Significance of Fetal Hemoglobin Expression in Sickle Cell Disease. 2021 , 30, 201-211	2
135	Caveolin-1-Mediated Tumor Suppression Is Linked to Reduced HIF155-Nitrosylation and Transcriptional Activity in Hypoxia. 2020 , 12,	7
134	Cardiovascular Effects of Caffeic Acid and Its Derivatives: A Comprehensive Review. 2020 , 11, 595516	23
133	Comparative therapeutic effect of the L-arginine and sildenafil on beta-thalassemia children with increased tricuspid regurgitant jet velocity. 2020 , 5, 25-29	1
132	Amino acids: key sources for immunometabolites and immunotransmitters. 2020 , 32, 435-446	16
131	M2 Macrophages and Phenotypic Modulation of Intestinal Smooth Muscle Cells Characterize Inflammatory Stricture Formation in Rats. 2020 , 190, 1843-1858	7
130	Nitrosative Stress and Its Association with Cardiometabolic Disorders. 2020 , 25,	29
129	Norvaline Reduces Blood Pressure and Induces Diuresis in Rats with Inherited Stress-Induced Arterial Hypertension. 2020 , 2020, 4935386	6
128	Arginase inhibitor, N-hydroxy-L-norarginine, spontaneously releases biologically active NO-like molecule: Limitations for research applications. 2020 , 152, 74-82	2
127	Is the Arginase Pathway a Novel Therapeutic Avenue for Diabetic Retinopathy?. 2020, 9,	7
126	Poor glycemic control impairs the cardioprotective effects of red blood cells on myocardial ischemia/reperfusion injury. 2020 , 97, 1-10	1
125	Cellular backpacks for macrophage immunotherapy. 2020 , 6, eaaz6579	100
124	Role of the eNOS Uncoupling and the Nitric Oxide Metabolic Pathway in the Pathogenesis of Autoimmune Rheumatic Diseases. 2020 , 2020, 1417981	14

123	Neuroprotective modulation of microglia effector functions following priming with interleukin 4 and 13: current limitations in understanding their mode-of-action. 2020 , 88, 856-866	16
122	Association of Hypertension and Obesity with Risk Factors of Cardiovascular Diseases in Children Aged 6-9 Years Old in the Eastern Cape Province of South Africa. 2020 , 7,	8
121	Endogenous flux of nitric oxide: Citrulline is preferred to Arginine. 2021, 231, e13572	8
120	Human-based evidence for the therapeutic potential of arginase inhibitors in cardiovascular diseases. 2021 , 26, 138-147	1
119	Protective role of zinc in liver damage in experimental diabetes demonstrated via different biochemical parameters. 2021 , 35, e22617	6
118	Bioactive peptides and proteins on hypertension and endothelium function. 2021 , 391-404	
117	Tumor starvation by L-arginine deprivation. 2021 , 25-111	
116	Intrathecal and systemic alterations of L-arginine metabolism in patients after intracerebral hemorrhage. 2021 , 41, 1964-1977	3
115	Diets supplemented with raw and roasted pumpkin (Cucurbita pepo L) seeds improved some biochemical parameters associated with erectile function in rats. 2021 , 45, e13629	2
114	Role of myeloid-derived suppressor cells in metastasis. 2021 , 40, 391-411	6
113	Lycopene and Caffeic Acid Phenethyl Ester Affect Caspase-3 Activity, but Do Not Alter the NO Pathway in Lung Tissue Damage Induced by Cisplatin. 2021 , 106, 400-408	
112	Evaluation of Arginine-Nitric Oxide Pathway in Patients with Hyperthyroidism. 2021 , 18, em278	
111	Evaluation of the effectiveness of three therapeutic protocols used in the treatment of visceral canine leishmaniosis. 2021 , 9, 129-139	
110	Impact of suitable control on a uniform interpretation of units for arginase assay. 2021 , 25, 100910	3
109	Effects of Co-Ingestion of EHydroxy-EMethylbutyrate and L-Arginine EKetoglutarate on Jump Performance in Young Track and Field Athletes. 2021 , 13,	0
108	Arginine Metabolites as Biomarkers of Myocardial Ischaemia, Assessed with Cardiac Magnetic Resonance Imaging in Chronic Kidney Disease. 2021 , 11,	2
107	Arginase Activity in Coelomocytes: Function in the Earthworm Innate Response. 2021 , 22,	0
106	Sustained Maternal Smoking Triggers Endothelial-Mediated Oxidative Stress in the Umbilical Cord Vessels, Resulting in Vascular Dysfunction. 2021 , 10,	2

105	L-Citrulline: A Non-Essential Amino Acid with Important Roles in Human Health. 2021 , 11, 3293	3
104	Senescent Microglia: The Key to the Ageing Brain?. 2021 , 22,	4
103	The Mystery of Red Blood Cells Extracellular Vesicles in Sleep Apnea with Metabolic Dysfunction. 2021 , 22,	2
102	Paroxetine Administration Alter some Biochemical Parameters in Male Wistar Rats Over a Systemic Period of Thirty-Five Days. 3899-3914	
101	Identification of Circulating Diagnostic Biomarkers for Coronary Microvascular Disease in Postmenopausal Women Using Machine-Learning Techniques. 2021 , 11,	0
100	Dynamic roles of neutrophils in post-stroke neuroinflammation. 2021 , 99, 924-935	4
99	Effects of arginase genetic polymorphisms on nitric oxide formation in healthy pregnancy and in preeclampsia. 2021 , 109-110, 20-25	1
98	Myeloid derived suppressor cells and the release of micro-metastases from dormancy. 2021 , 38, 279-293	4
97	Citrulline supplementation attenuates the development of non-alcoholic steatohepatitis in female mice through mechanisms involving intestinal arginase. 2021 , 41, 101879	6
96	Development of a new nano arginase HPLC capillary column for the fast screening of arginase inhibitors and evaluation of their binding affinity. 2021 , 1175, 122751	О
95	Amylin Dyshomeostasis Hypothesis: Small Vessel-Type Ischemic Stroke in the Setting of Type-2 Diabetes. 2021 , 52, e244-e249	1
94	Pathological Features of Enterovirus 71-Associated Brain and Lung Damage in Mice Based on Quantitative Proteomic Analysis. 2021 , 12, 663019	3
93	Revisiting the Mechanisms of Immune Evasion Employed by Human Parasites. 2021 , 11, 702125	2
92	Distribution of free amino acids and mRNA expression of their corresponding transporters in the intestinal mucosa of goats feeding on a corn grain versus corn gluten diet. 2022 , 102, 868-875	O
91	Non-invasive metabolic biomarkers for early diagnosis of diabetic nephropathy: Meta-analysis of profiling metabolomics studies. 2021 , 31, 2253-2272	3
90	Arginase 1 is upregulated at admission in patients with ST-elevation myocardial infarction. 2021 , 290, 1061-1070	O
89	Low concentrations of lead disturb phenotypical markers of the inflammatory and the anti-inflammatory profile of bone marrow-derived macrophages from BALB/c mice. 2021 , 460, 152885	O
88	Intestinal Transcriptomic and Histologic Profiling Reveals Tissue Repair Mechanisms Underlying Resistance to the Parasite. 2021 , 10,	O

87	Plasma Arginine and Citrulline are Elevated in Diabetic Retinopathy. 2021,	2
86	Diet Supplemented with Chrysophyllum albidum G. Don (Sapotaceae) Fruit Pulp Improves Reproductive Function in Hypertensive Male Rats. 2021 , 1	1
85	Fetal oxygen supply can be improved by an effective cross-talk between fetal erythrocytes and vascular endothelium. 2021 , 1867, 166243	
84	High total cholesterol and triglycerides levels increase arginases metabolism, impairing nitric oxide signaling and worsening fetoplacental endothelial dysfunction in gestational diabetes mellitus pregnancies. 2021 , 1867, 166216	2
83	Arginase II polymorphisms modify the hypotensive responses to propofol by affecting nitric oxide bioavailability. 2021 , 77, 869-877	2
82	Advances and impact of arginine-based materials in wound healing. 2021 , 9, 6738-6750	3
81	Cardiovascular Risk Factors and Their Relationship with Vascular Dysfunction in South African Children of African Ancestry. 2021 , 10,	7
80	Amino Acids in Circulatory Function and Health. 2020 , 1265, 39-56	14
79	Extrarenal phenotypes of the UT-B knockout mouse. 2014 , 73, 153-64	5
78	L-norvaline reverses cognitive decline and synaptic loss in a murine model of Alzheimer disease.	3
77	Norvaline reduces blood pressure and induces diuresis in rats with inherited stress-induced arterial hypertension.	2
76	Novel Findings From a Metabolomics Study of Left Ventricular Diastolic Function: The Bogalusa Heart Study. 2020 , 9, e015118	14
75	Bench to bedside review: therapeutic modulation of nitric oxide in sepsis-an update. 2019 , 7, 64	23
74	CoQ10 and endothelial function in Asians from Korea compared to Asians born in the United States and US born Caucasians. 2013 , 19, 339-46	6
73	Role of Metabolites of Nitric Oxide and Arginase in the Pathogenesis of Glomerulonephritis. 2016 , 42, 221-225	2
72	Arginase activities and global arginine bioavailability in wild-type and ApoE-deficient mice: responses to high fat and high cholesterol diets. 2010 , 5, e15253	28
71	Citrulline a more suitable substrate than arginine to restore NO production and the microcirculation during endotoxemia. 2012 , 7, e37439	94
70	Local arginase inhibition during early reperfusion mediates cardioprotection via increased nitric oxide production. 2012 , 7, e42038	51

(2009-2014)

69	Arginase-1 deficiency regulates arginine concentrations and NOS2-mediated NO production during endotoxemia. 2014 , 9, e86135	33
68	Effect of arginase inhibition on ischemia-reperfusion injury in patients with coronary artery disease with and without diabetes mellitus. 2014 , 9, e103260	35
67	The role of arginase and rho kinase in cardioprotection from remote ischemic perconditioning in non-diabetic and diabetic rat in vivo. 2014 , 9, e104731	18
66	Increase in Red Blood Cell-Nitric Oxide Synthase Dependent Nitric Oxide Production during Red Blood Cell Aging in Health and Disease: A Study on Age Dependent Changes of Rheologic and Enzymatic Properties in Red Blood Cells. 2015 , 10, e0125206	36
65	Biphasic Effect of Diabetes on Neuronal Nitric Oxide Release in Rat Mesenteric Arteries. 2016 , 11, e0156793	8
64	Vascular surgical stretch injury leads to activation of P2X7 receptors and impaired endothelial function. 2017 , 12, e0188069	6
63	Functioning of nitric oxide cycle in gastric mucosa of rats under excessive combined intake of sodium nitrate and fluoride. 2016 , 88, 70-5	19
62	A New Perspective on Alzheimer Disease as a Brain Expression of a Complex Metabolic Disorder. 1-22	7
61	Schistosome infection and its effect on pulmonary circulation. 2019 , 2019, 5	12
60	Effects of Dietary L-arginine Supplementation from Conception to Post- Weaning in Piglets. 2019 , 20, 736-749	7
59	Vascular Damage in Obesity and Diabetes: Highlighting Links Between Endothelial Dysfunction and Metabolic Disease in Zebrafish and Man. 2019 , 17, 476-490	12
58	Evidence that Nitric Oxide is Involved in the Blood Pressure Lowering Effect of the Peptide AVFQHNCQE in Spontaneously Hypertensive Rats. 2019 , 11,	8
57	Role of Arginase 2 as a potential pharmacological target for the creation of new drugs to correct cardiovascular diseases. 2020 , 6, 47-55	3
56	Ablation of Arginase II Spares Arginine and Abolishes the Arginine Requirement for Growth in Male Mice. 2017 , 147, 1510-1516	7
55	Arginase as a Potential Target in the Treatment of Alzheimer Disease. 2018, 07, 119-140	15
54	Arginase activity and nitric oxide levels in patients with obstructive sleep apnea syndrome. 2014 , 69, 247-52	18
53	Gut permeability is associated with hypertension and measures of obesity but not with Endothelial Dysfunction in South African youth 2021 , 21, 1172-1184	1
52	Free Radical Signaling in Reactions Catalyzed by Enzymes P roducers of Reactive Oxygen and Nitrogen Species. 2009 , 5-54	

51 The Chemistry of Biological Gases. **2011**, 287-299

50	Reactive Nitrogen Posttranslational Modifications of Proteins in Carcinogenesis. 2014 , 2873-2891	
49	Ascorbate Transport in Retinal Cells and Its Relationship with the Nitric Oxide System. 2014 , 599-609	
48	Analytical Procedures for Nitrative/Nitrosative Stress. 2014 , 149-158	1
47	Age-related alterations in arginase-NO-synthase system in patients with coronary heart disease associated with hypertension. 2016 , 70, 40-45	
46	Antioxidants in Male Sexual Dysfunctions. 2017 , 71-79	O
45	The effect of thymic mesenchymal stromal cells on arginase activity and nitric oxide produced by mouse macrophages. 2017 , 89, 25-30	
44	THE CHANGES IN DYNAMICS OF ORNITHINE CYCLE COMPONENTS LEVELS DURING THE ACUTE PERIOD OF POLYTRAUMA. 2019 , 72, 1781-1785	
43	Oxidative Stress in Neonatal Lung Diseases. 2019 , 51-84	0
42	Microvascular dysfunction in septic and dengue shock: Pathophysiology and implications for clinical management. 2020 , 2020, e202029	O
41	l-Arginine and COVID-19: An Update. 2021 , 13,	11
40	Microcirculatory Function during Endotoxemia-A Functional Citrulline-Arginine-NO Pathway and NOS3 Complex Is Essential to Maintain the Microcirculation. 2021 , 22,	O
39	Towards understanding the cell surface phenotype, metabolic properties and immune functions of resident macrophages of the peritoneal cavity and splenic red pulp using high resolution quantitative proteomics. 5, 165	1
38	Pattern of chronic lung lesions in adults with sickle cell disease in Lagos, Nigeria. 2013, 4, 754-8	4
37	L-arginase induces vascular dysfunction in old spontaneously hypertensive rats. 2019 , 7, 119-127	1
36	The role of L-arginine metabolism in neurocritical care patients 2022 , 17, 1446-1453	Ο
35	Physical Interaction between Embryonic Stem Cell-Expressed Ras (ERas) and Arginase-1 in Quiescent Hepatic Stellate Cells 2022 , 11,	0
34	Urea transporter B downregulates polyamines levels in melanoma B16 cells via p53 activation 2022 , 1869, 119236	

33	The regulation of mitochondrial NO synthase activity under nitroglycerine application in rat heart and liver mitochondria. 2022 , 68, 3-12	О
32	Mechanisms and Clinical Implications of Endothelium-dependent Vasomotor Dysfunction in Coronary Microvasculature 2022 ,	2
31	Elevated serum extracellular vesicle arginase 1 in type 2 diabetes mellitus: a cross-sectional study in middle-aged and elderly population 2022 , 22, 62	О
30	Targeting Arginine in COVID-19-Induced Immunopathology and Vasculopathy 2022, 12,	4
29	Urine metabolomics reveals the effects of confined environment on mating choice in adult male giant pandas 2022 , 249, 113744	О
28	Arginine and Arginases Modulate Metabolism, Tumor Microenvironment and Prostate Cancer Progression 2021 , 13,	3
27	Quercetin boosts nitric oxide levels and modulates the activities of arginase, acetylcholinesterase and adenosine deaminase in the corpus cavernosum of cyclosporine-treated rats 2022 , e14404	О
26	Perioperative arginine prevents metastases by accelerating natural killer cell recovery after surgery. 2022 ,	1
25	Untargeted Metabolomics Profiling Reveals Perturbations in Arginine-NO Metabolism in Middle Eastern Patients with Coronary Heart Disease. 2022 , 12, 517	О
24	MITOMYCIN C IN THE TREATMENT OF URETHRIC STRICTURE AND ITS EFFECT ON ARGINASE/NO-SYNTHASE SYSTEM. 2022 , 1, 276	
23	Evaluate the activity of arginase and some biochemical parameters in patients with atherosclerosis. 2022 ,	O
22	Effects of arginase inhibition on myocardial Ca 2+ and contractile responses. 2022, 10,	1
21	Genomic, Proteomic, and Metabolic Comparisons of Small Animal Models of Heart Failure With Preserved Ejection Fraction: A Tale of Mice, Rats, and Cats. 2022 , 11,	2
20	ARG2 single-nucleotide polymorphism rs3742879 affects plasma arginase 2 levels, nitric oxide formation and antihypertensive therapy response in preeclampsia.	1
19	Integrated multi-omic data reveal the potential molecular mechanisms of the nutrition and flavor in Liancheng white duck meat. 13,	1
18	Arginase: Biological and Therapeutic Implications in Diabetes Mellitus and Its Complications. 2022 , 2022, 1-20	О
17	Arginase: shedding light on the mechanisms and opportunities in cardiovascular diseases. 2022, 8,	1
16	Evaluation of erythrocyte arginase activity, plasma nitric oxide concentration and oxidative stress status in cattle with anaplasmosis. 2023 , 314, 109855	О

15	Distinct binding pattern of nor-NOHA inhibitor to liver arginase in aqueous solution (Perspectives from molecular dynamics simulations. 2023 , 371, 121014	О
14	The Role of L-Arginine-NO System in Female Reproduction: A Narrative Review. 2022 , 23, 14908	O
13	Congenital diaphragmatic hernia: phosphodiesterase-5 and Arginase inhibitors prevent pulmonary vascular hypoplasia in rat lungs.	О
12	The level of nitric oxide and arginase activity in patients with arterial hypertension and diabetes mellitus during COVID-19. 2022 , 94, 18-27	O
11	Insulin resistance in Alzheimer⊞ Disease: the genetics and metabolomics links. 2022,	1
10	The Effects of Different Doses of Sildenafil on Coronary Blood Flow and Oxidative Stress in Isolated Rat Hearts. 2023 , 16, 118	O
9	Red blood cells from endothelial nitric oxide synthase-deficient mice induce vascular dysfunction involving oxidative stress and endothelial arginase I. 2023 , 102612	0
8	Role of myeloid-derived suppressor cells in tumor recurrence.	1
7	Fermented seeds of Pentaclethra macrophylla mitigate against memory deficit and restored altered enzymatic activity in the brain of streptozotocin-diabetic rats.	O
6	Cell Death-NO-Today: Effect of NO and RNS on Non-apoptotic Regulated Cell Death. 2023 , 177-210	O
5	Preliminary insights on the metabolomics of Trichinella zimbabwensis infection in Sprague Dawley rats using GCxGC-TOF-MS (untargeted approach). 10,	0
4	Beauty and the beast: host microRNA-155 versus SARS-CoV-2. 2023 , 36, 908-922	O
3	Inositol-Stabilized Arginine Silicate Reduces Exercise Induced Muscle Damage and Increases Perceived Energy. 2023 , 6,	O
2	Effects of l-Arginine Plus Vitamin C Supplementation on l-Arginine Metabolism in Adults with Long COVID: Secondary Analysis of a Randomized Clinical Trial. 2023 , 24, 5078	O
1	Tetramerization of STAT5 regulates monocyte differentiation and the dextran sulfate sodium-induced colitis in mice. 14,	O