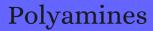
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2322	Structural gene for ornithine decarboxylase in Neurospora crassa. 1985 , 5, 1301-6		18
2321	Distinct roles of putrescine and spermidine in the regulation of ornithine decarboxylase in Neurospora crassa. 1985 , 82, 4105-9		36
2320	Spermidine is bound to a unique protein in early sea urchin embryos. 1985 , 82, 7613-5		19
2319	Control by ethylene of arginine decarboxylase activity in pea seedlings and its implication for hormonal regulation of plant growth. 1985 , 79, 635-40		73
2318	Cadaverine formation by specific lysine decarboxylation in Pisum sativum seedlings. 1985 , 4, 297-9		13
2317	Effects of methylglyoxal-bis (guanylhydrazone) and abscisic acid on polyamine metabolism in embryonectomized barley seeds. 1985 , 3, 257-268		11
2316	Involvement of an "antizyme" in the inactivation of ornithine decarboxylase. 1985 , 45, 1303-7		14
2315	Regulation of polyamine biosynthesis by antizyme and some recent developments relating the induction of polyamine biosynthesis to cell growth. Review. 1985 , 5, 189-204		50
2314	Intercellular communication and cancer chemotherapy. 1985 , 823, 19-34		1
2313	Purification and properties of ornithine decarboxylase from Tetrahymena pyriformis. 1985 , 831, 288-96	5	24
2312	Polyamine depletion results in impairment of polyribosome formation and protein synthesis before onset of DNA synthesis in mitogen-activated human lymphocytes. 1985 , 152, 229-37		29
2311	Striatal ornithine decarboxylase activity following neurotoxic and mechanical lesions of the mesostriatal dopamine system of the male rat. 1985 , 125, 173-5		21
2310	Metabolism and function of polyamines. 1985 , 17, 943-8		62
2309	Prolactin stimulation of Nb 2 node lymphoma cell division is inhibited by polyamine biosynthesis inhibitors. 1985 , 180, 236-9		2

2308	Positive regulation of the colicin E1 gene by cyclic AMP and cyclic AMP receptor protein. 1985 , 13, 4687-98	16
2307	Specific inhibition of spermidine synthesis in Mycobacteria spp. by the dextro isomer of ethambutol. 1985 , 28, 157-9	21
2306	Changes in polyamine biosynthesis associated with postfertilization growth and development in tobacco ovary tissues. 1985 , 79, 336-43	111
2305	Metabolic Relationships of Putrescine, GABA and Alkaloids in Cell and Root Cultures of Solanaceae. 1985 , 174-185	68
2304	The developmental regulation of L-ornithine decarboxylase in Dictyostelium discoideum and its induction by cAMP. 1985 , 846, 55-63	4
2303	Dicyclohexylamine effects on HTC cell polyamine content and ornithine decarboxylase activity. 1985 , 840, 309-16	39
2302	Effects of lesions and ganglioside GM1 treatment on striatal polyamine levels and nigral DA neurons. A role of putrescine in the neurotropic activity of gangliosides. 1985 , 124, 499-506	25
2301	Chemoprevention and chemotherapy by inhibition of ornithine decarboxylase activity and polyamine synthesis: colonic, pancreatic, mammary, and renal carcinomas. 1985 , 24, 93-102	13
2300	Effects of neurotoxic and mechanical lesions of the mesostriatal dopamine pathway on striatal polyamine levels in the rat: modulation by chronic ganglioside GM1 treatment. 1985 , 61, 339-44	27
2299	Multiple factors including the small nuclear ribonucleoproteins U1 and U2 are necessary for pre-mRNA splicing in vitro. 1985 , 42, 725-36	466
2299		466 39
	pre-mRNA splicing in vitro. 1985 , 42, 725-36	
2298	pre-mRNA splicing in vitro. 1985 , 42, 725-36 Elevation of monoacetylated polyamines in human breast cancers. 1985 , 21, 1057-62 The identification of highly chlorinated ethers and diethers in river sediment near an	39
2298	Elevation of monoacetylated polyamines in human breast cancers. 1985, 21, 1057-62 The identification of highly chlorinated ethers and diethers in river sediment near an epichlorohydrin plant. 1985, 19, 1411-1419 Trypanothione: a novel bis(glutathionyl)spermidine cofactor for glutathione reductase in	39
2298 2297 2296	Elevation of monoacetylated polyamines in human breast cancers. 1985, 21, 1057-62 The identification of highly chlorinated ethers and diethers in river sediment near an epichlorohydrin plant. 1985, 19, 1411-1419 Trypanothione: a novel bis(glutathionyl)spermidine cofactor for glutathione reductase in trypanosomatids. 1985, 227, 1485-7 Difluoromethylornithine-induced amplification of ornithine decarboxylase genes in Ehrlich ascites	39 10 595
2298 2297 2296 2295	Elevation of monoacetylated polyamines in human breast cancers. 1985, 21, 1057-62 The identification of highly chlorinated ethers and diethers in river sediment near an epichlorohydrin plant. 1985, 19, 1411-1419 Trypanothione: a novel bis(glutathionyl)spermidine cofactor for glutathione reductase in trypanosomatids. 1985, 227, 1485-7 Difluoromethylornithine-induced amplification of ornithine decarboxylase genes in Ehrlich ascites carcinoma cells. 1985, 126, 734-40 Synergistic induction of ornithine decarboxylase by diacylglycerol, A23187, and cholera toxin in	39 10 595 46
2298 2297 2296 2295 2294	Elevation of monoacetylated polyamines in human breast cancers. 1985, 21, 1057-62 The identification of highly chlorinated ethers and diethers in river sediment near an epichlorohydrin plant. 1985, 19, 1411-1419 Trypanothione: a novel bis(glutathionyl)spermidine cofactor for glutathione reductase in trypanosomatids. 1985, 227, 1485-7 Difluoromethylornithine-induced amplification of ornithine decarboxylase genes in Ehrlich ascites carcinoma cells. 1985, 126, 734-40 Synergistic induction of ornithine decarboxylase by diacylglycerol, A23187, and cholera toxin in guinea pig lymphocytes. 1985, 130, 389-95 1-Aminooxy-3-aminopropane, a new and potent inhibitor of polyamine biosynthesis that inhibits	39 10 595 46

2290	Stimulation of the cyclic AMP-dependent protein kinase-catalyzed phosphorylation of phosphorylase kinase by micromolar concentrations of spermine. 1985 , 130, 1308-13	7
2289	Translational modulation in vitro of a eukaryotic viral mRNA encoding overlapping genes: ribosome scanning and potential roles of conformational changes in the P/C mRNA of Sendai virus. 1985 , 131, 91-7	27
2288	Ornithine decarboxylase inhibitors increase the cellular content of the enzyme: implications for translational regulation. 1985 , 131, 239-45	60
2287	Growth of mammalian cells in the absence of the accumulation of spermine. 1985 , 133, 82-9	32
2286	Response of hepatic ornithine decarboxylase and polyamine concentration to surgical stress in the rat: evidence for a permissive effect of catecholamines on glucocorticoid action. 1985 , 129, 885-91	18
2285	Methylglyoxal bis(guanylhydrazone) elimination of polyamine effects on protein synthesis. 1985 , 242, 263-8	15
2284	Increased polyamine formation in rat salivary glands by stimulation of their autonomic nerve supply. 1985 , 30, 773-5	8
2283	Inhibition of the activity of restriction endonucleases by spermidine and spermine. 1985 , 179, 17-20	12
2282	Equilibrium between active and inactive forms of rat liver ornithine decarboxylase mediated by L-ornithine and salts. 1985 , 190, 324-8	29
2281	alpha-Difluoromethylornithine does not bind to ornithine decarboxylase-antizyme complex. 1986 , 137, 1101-5	5
2280	Interaction of spermine with polyphosphoinositides containing liposomes and myo-inositol 1,4,5 triphosphate. 1986 , 135, 58-64	40
2279	Polyamine binding sites on Escherichia coli ribosomes. 1986 , 251, 413-20	21
2278	Association constants for the interaction of double-stranded and single-stranded DNA with spermine, spermidine, putrescine, diaminopropane, N1- and N8-acetylspermidine, and magnesium: determination from analysis of the broadening of thermal denaturation curves. 1986 , 246, 225-32	51
2277	Uterine arginase inhibition affect the rat embryonic development. 1986 , 33, 597-604	12
2276	Inhibition by interferon (alpha + beta) of mouse liver regeneration and its reversal by putrescine. 1986 , 205, 61-5	19
2275	all-trans-Retinoic acid inhibits the appearance of two phorbol ester-induced ornithine decarboxylase mRNAs in mouse epidermis. 1986 , 208, 151-4	9
2274	Selective inhibition of spermidine biosynthesis and differentiation by S-adenosyl-1,8-diamino-3-thiooctane in murine erythroleukemia cells. 1986 , 35, 2633-6	7
2273	Methylglyoxal bis(butylamidinohydrazone), a new inhibitor of polyamine biosynthesis that simultaneously inhibits ornithine decarboxylase, adenosylmethionine decarboxylase and spermidine synthase. 1986 , 35, 2982-3	5

(1986-1986)

2272	inhibitor of polyamine biosynthesis. 1986 , 61, 229-35	17
2271	Mechanisms and significance of polyamine stimulation of various protein kinase reactions. 1986 , 25, 401-21	14
2270	Synthesis of N-chlorosulfonyl dicyclohexylamine as a potent inhibitor for spermidine synthase and its effects on human leukemia Molt4B cells. 1986 , 141, 718-22	4
2269	decarboxylase activities in Mytilus edulis. 1986 , 83, 459-462	1
2268	Involvement of Polyamines in the Development and Ripening of Avocado Fruits. 1986, 126, 223-233	53
2267	Distribution of polyamines in representative species of archaebacteria. 1986 , 7, 241-245	62
2266	Polyamine levels in human gastric carcinoma. 1986 , 21, 829-32	16
2265	Effects of certain 5'-substituted adenosines on polyamine synthesis: selective inhibitors of spermine synthase. 1986 , 25, 4091-7	23
2264	Non-competitive inhibition of ornithine decarboxylase by a phosphopeptide and phosphoamino acids. 1986 , 884, 482-9	1
2263	Changes in liver polyamines due to aflatoxin B1. 1986, 34, 1-4	2
2262	Elongation Factor 1 in Norway Maple Seeds during the Breaking of Dormancy. 1986 , 123, 317-326	4
2261	Modulation of ornithine decarboxylase activity and ornithine decarboxylase-antizyme complex in rat heart by hormone and putrescine treatment. 1986 , 882, 377-83	22
2260	An inhibitor of ornithine decarboxylase in lactogen-deprived Nb2 node rat lymphoma cells. 1986 , 883, 542-51	8
2259	Epidermal polyamine levels related to cell cycle events during the metamorphosis of Tenebrio molitor L. (insecta, coleoptera): Effect of juvenoid application. 1986 , 83, 589-593	1
2258	Effects of polyamines on tyrosine hydroxylase activity in adrenals. 1986 , 9, 281-6	2
2257	Properties of S-adenosylmethionine decarboxylase from rabbit liver: effects of some hydrazone compounds on its activity. 1986 , 83, 221-5	2
2256	Effect of application frequency on epidermal ornithine decarboxylase induction by chrysarobin in SENCAR mice. 1986 , 32, 263-9	14
2255	Effects of phenylated compounds of methylglyoxal bis(guanylhydrazone) on diamine oxidase activity from rat small intestine. 1986 , 83, 419-21	1

2254	Modulation of diphthamide synthesis by 5'-deoxy-5'-methylthioadenosine in murine lymphoma cells. 1986 , 888, 157-62	6
2253	Effects of the polyamine spermine on binding of follicle-stimulating hormone to membrane-bound immature bovine testis receptors. 1986 , 885, 221-30	12
2252	⊕ifluoromethylarginine treatment inhibits protoplast fusion in fusogenic wild-carrot protoplasts. 1986 , 886, 130-134	12
2251	Apparently unidirectional polyamine transport by proton motive force in polyamine-deficient Escherichia coli. 1986 , 165, 972-7	54
2250	Mechanism of induction of mucosal ornithine decarboxylase by food. 1986 , 251, G370-4	9
2249	Differences in Polyamine Metabolism between Carcinomatous and Uninvolved Human Breast Tissues. 1986 , 1, 77-80	11
2248	Increased pulmonary uptake of exogenous polyamines after unilateral pneumonectomy. 1986 , 250, E435-40	4
2247	11 Muscle Glycogen Synthase. 1986 , 17, 461-497	56
2246	Effects of intraluminal epidermal growth factor on mucosal proliferation in the small intestine of adult rats. 1986 , 91, 1134-40	146
2245	Essential role of polyamine metabolism in hepatic regeneration. Inhibition of deoxyribonucleic acid and protein synthesis and tissue regeneration by difluoromethylornithine in the rat. 1986 , 90, 1261-7	113
2244	Induction of hepatic and renal ornithine decarboxylase by cobalt and other metal ions in rats. 1986 , 233, 577-81	20
2243	Recent advances in the biochemistry of polyamines in eukaryotes. 1986 , 234, 249-62	1516
2242	Ornithine decarboxylase, transglutaminase, diamine oxidase and total diamines and polyamines in maternal liver and kidney throughout rat pregnancy. 1986 , 234, 435-40	40
2241	A probable new pathway for the biosynthesis of putrescine in Escherichia coli. 1986 , 234, 617-22	8
2240	Polyamine-mediated turnover of ornithine decarboxylase in Chinese-hamster ovary cells. 1986 , 236, 351-7	25
2239	Sensitivity of pyruvate dehydrogenase phosphate phosphatase to magnesium ions. Similar effects of spermine and insulin. 1986 , 238, 83-91	85
2238	Regulation of spermidine/spermine N1-acetyltransferase in L6 cells by polyamines and related compounds. 1986 , 238, 581-7	55
2237	Neural control of gene expression in skeletal muscle. Effects of chronic stimulation on lactate dehydrogenase isoenzymes and citrate synthase. 1986 , 239, 115-20	67

2236	The polyamine-dependent modulation of phenylalanine hydroxylase phosphorylation state and enzymic activity in isolated liver cells. 1986 , 237, 277-9	5
2235	Formation of a compensatory polyamine by Escherichia coli polyamine-requiring mutants during growth in the absence of polyamines. 1986 , 166, 128-34	169
2234	Multiple mechanisms are responsible for altered expression of ornithine decarboxylase in overproducing variant cells. 1986 , 6, 2865-71	74
2233	Two ornithine decarboxylase mRNA species in mouse kidney arise from size heterogeneity at their 3' termini. 1986 , 83, 594-8	72
2232	Spermine-DNA interactions: a theoretical study. 1986 , 83, 5948-52	154
2231	Spermidine synthase of Escherichia coli: localization of the speE gene. 1986 , 83, 6040-4	41
2230	Polyamines and their derivatives in AIDSE hypothesis. 1986 , 28, 65-68	1
2229	Secretory endometrial and decidual proteins: studies and clinical significance of a maternally derived group of pregnancy-associated serum proteins. 1986 , 1, 129-43	87
2228	N1-monoacetylation abolishes the inhibitory effect of spermine and spermidine in the reticulocyte lysate translation system. 1986 , 18, 705-11	7
2227	Red blood cell polyamine levels and host toxicity during continuous alpha-difluoromethylornithine infusion. 1986 , 38, 245-9	9
2226	Posttranscriptional regulation of ornithine decarboxylase activity. 1986 , 126, 371-8	58
2225	Altered polyamine metabolism in Chinese hamster cells growing in a defined medium. 1986 , 127, 114-20	10
2224	Effects of ornithine decarboxylase inhibition on c-myc expression during murine erythroleukemia cell proliferation and differentiation. 1986 , 127, 480-4	19
2223	Age dependency of the metabolic conversion of polyamines into amino acids in IMR-90 human embryonic lung diploid fibroblasts. 1986 , 128, 27-32	18
2222	Changes of serum-induced ornithine decarboxylase activity and putrescine content during aging of IMR-90 human diploid fibroblasts. 1986 , 129, 142-6	12
2221	Synthesis of all optically active spermine macrocycle, (S)-6-(hydroxymethyl)-1,5,10,14-tetraazacyclooctadecane, and its complexation to ATP. 1986 , 27, 5943-5946	31
2220	Evaluation of polyamine levels in cerebrospinal fluid of children with brain tumors. 1986 , 3, 327-33	6
2219	Degradation of organic nitrogen compounds by yeasts. 1986 , 2, 1-34	110

2218	Polyamines. 1986 , 379, 157-76	57
2217	Solid-phase extraction and determination of dansyl derivatives of unconjugated and acetylated polyamines by reversed-phase liquid chromatography: improved separation systems for polyamines in cerebrospinal fluid, urine and tissue. 1986 , 380, 19-32	196
2216	Polyamine-DNA Interactions: Possible Site of New Cancer Chemotherapeutic Intervention. 1986 , 3, 311-7	23
2215	Polyamine biosynthesis in trichomonads. 1986 , 19, 241-9	25
2214	Immunocytochemical localization of ornithine decarboxylase in cultured murine cells. 1986 , 243, 33-40	12
2213	Purification and characterization of putrescine synthase from cucumber seedlings. A multifunctional enzyme involved in putrescine biosynthesis. 1986 , 10, 373-391	8
2212	A sensitive, rapid, chemiluminescence-based method for the determination of diamines and polyamines. 1986 , 152, 423-31	17
2211	Inhibition of Ornithine Decarboxylase and Growth of the Fungus Helminthosporium maydis. 1986 , 80, 798-800	34
22 10	Relationship between Heat Sensitivity and Polyamine Levels after Treatment with Difluoromethylornithine (DFMO). 1986 , 108, 269	4
2209	Subacute combined degeneration of the cord, dementia and parkinsonism due to an inborn error of folate metabolism. 1986 , 49, 920-7	71
2208	Different factors possibly involved in post-translational regulation of ornithine decarboxylase activity. 1986 , 14, 466-9	
2207	A left-handed (Z) conformation of poly(dA-dC).poly(dG-dT) induced by polyamines. 1986 , 14, 6721-33	39
2206	Aggregation of DNA by analogs of spermidine; enzymatic and structural studies. 1987 , 15, 2563-80	34
2205	Complete amino acid sequence of human ornithine decarboxylase deduced from complementary DNA. 1987 , 6, 179-87	87
2204	Some properties of pea mitochondrial phospho-pyruvate dehydrogenase-phosphatase. 1987 , 83, 311-5	43
2203	A stopped-flow H-D exchange kinetic study of spermine-polynucleotide interactions. 1987 , 15, 5873-86	36
2202	Requirements for accurate and efficient mRNA 3' end cleavage and polyadenylation of a simian virus 40 early pre-RNA in vitro. 1987 , 7, 495-503	65
2201	Polyamines in intestinal and pancreatic adaptation. 1987 , 28 Suppl, 95-101	27

	Effect of altered inflation on pulmonary uptake of methylglyoxal bis(guanylhydrazone). 1987 , 13, 1-11	4
2199	Socit`Belge De Biochimie Belgische Vereniging Voor Biochemie. 1987 , 95, B57-B106	
2198	A possible mechanism of protection by polyamines against gastric damage induced by acidified ethanol in rats: polyamine protection may depend on its antiperoxidative properties. 1987 , 44, 43-50	29
2197	Decarboxylation of alpha-difluoromethylornithine by ornithine decarboxylase. 1987 , 241, 305-7	46
2196	Effect of polyamine depletion on macromolecular synthesis of the malarial parasite, Plasmodium falciparum, cultured in human erythrocytes. 1987 , 242, 221-6	30
2195	Effect of putrescine on the synthesis of S-adenosylmethionine decarboxylase. 1987 , 243, 285-8	53
2194	Ornithine decarboxylase production in vitro by using mouse cDNA. 1987 , 245, 127-32	10
2193	Inhibitory action of polyamines on protein kinase C association to membranes. 1987 , 247, 175-80	46
2192	Changes in polyamine concentrations in human breast cancer cells in culture: the effect of serum type and 17⊕oestradiol. 1987 , 15, 458-459	1
2191	Approaches to the study of vector specificity for arbovirusesmodel systems using cultured mosquito cells. 1987 , 33, 327-65	8
		3
2190	mosquito cells. 1987 , 33, 327-65	
2190	mosquito cells. 1987, 33, 327-65 Steroid Effects on Excitable Membranes. 1987, 31, 141-190	3
2190 2189	mosquito cells. 1987, 33, 327-65 Steroid Effects on Excitable Membranes. 1987, 31, 141-190 Nonsense mutations of the ornithine decarboxylase structural gene of Neurospora crassa. 1987, 7, 1122-8 Transcriptional activation of mammalian ornithine decarboxylase during stimulated growth. 1987,	3
2190 2189 2188	Monsense mutations of the ornithine decarboxylase structural gene of Neurospora crassa. 1987, 7, 1122-8 Transcriptional activation of mammalian ornithine decarboxylase during stimulated growth. 1987, 7, 2641-3 Effect of microinjected amine and diamine oxidases on the ultrastructure of eukaryotic cultured	3 18 136
2190 2189 2188 2187 2186	Monsense mutations of the ornithine decarboxylase structural gene of Neurospora crassa. 1987, 7, 1122-8 Transcriptional activation of mammalian ornithine decarboxylase during stimulated growth. 1987, 7, 2641-3 Effect of microinjected amine and diamine oxidases on the ultrastructure of eukaryotic cultured cells. 1987, 19, 39-50 Effects of dexamethasone on spermidine N1-acetyltransferase and ornithine activities in rat	3 18 136 17
2190 2189 2188 2187 2186	Steroid Effects on Excitable Membranes. 1987, 31, 141-190 Nonsense mutations of the ornithine decarboxylase structural gene of Neurospora crassa. 1987, 7, 1122-8 Transcriptional activation of mammalian ornithine decarboxylase during stimulated growth. 1987, 7, 2641-3 Effect of microinjected amine and diamine oxidases on the ultrastructure of eukaryotic cultured cells. 1987, 19, 39-50 Effects of dexamethasone on spermidine N1-acetyltransferase and ornithine activities in rat spleen. 1987, 930, 79-86	3 18 136 17

2182	Effect of ornithine decarboxylase inhibitors on the germination of sporangiospores of mucorales. 1987 , 11, 287-296	32
2181	Bio-antimutagenic effect of L-cysteine on diiodohydroxyquinoline-induced micronuclei in Swiss mice. 1987 , 187, 219-22	9
2180	Polyamine biosynthesis in Rhizopus-infected tomato fruits: possible interaction with ethylene. 1987 , 31, 41-50	15
2179	Epidermal growth factor potentiates the induction of ornithine decarboxylase activity by prostaglandins in embryonic palate mesenchymal cells: effects on cell proliferation and glycosaminoglycan synthesis. 1987 , 122, 419-31	32
2178	Inhibition of diamine oxidase of rat small intestine by pentamidine and berenil (diminazene aceturate). 1987 , 36, 2863-4	5
2177	Oxidation of N-alkyl and C-alkylputrescines by diamine oxidases. 1987 , 219, 380-6	14
2176	Cyclic AMP-like effects of polyamines on phosphatidylcholine synthesis and protein phosphorylation in human promyelocytic leukemia HL60 cells. Comparison with the effects of phorbol ester. 1987 , 213, 365-71	10
2175	Dose effects of transfected c-Ha-rasVal 12 oncogene in transformed cell clones. 1987 , 168, 518-30	59
2174	Modulation of arterial smooth muscle cells from contractile to synthetic phenotype requires induction of ornithine decarboxylase activity and polyamine synthesis. 1987 , 170, 153-9	20
2173	Induction of ornithine decarboxylase activity and putrescine synthesis in arterial smooth muscle cells stimulated with platelet-derived growth factor. 1987 , 170, 160-9	50
2172	An evaluation of the involvement of polyamines in modulating MCF-7 human breast cancer cell proliferation and progesterone receptor levels by estrogen and antiestrogen. 1987 , 28, 123-8	34
2171	Mechanism of polyamine inhibition of a leaf protease. 1987 , 255, 460-3	31
2170	Transient induction of ornithine decarboxylase mRNA in rat hepatoma cells treated with 12-O-tetradecanoylphorbol-13-acetate. 1987 , 147, 809-17	14
2169	Ornithine decarboxylase induction and polyamine biosynthesis by phorone (diisopropylidene acetone), a glutathione depletor, in rats. 1987 , 148, 422-8	8
2168	Spermidine and spermine stimulate the transport of the precursor of ornithine carbamoyltransferase into rat liver mitochondria. 1987 , 149, 21-6	12
2167	Effect of putrescine on oxyntic gland and colonic mucosal growth in rats. 1987 , 41, 961-6	8
2166	Polyamines in normal and cancer cells. 1987 , 26, 91-105	52
2165	The polycation-stimulated protein phosphatases: regulation and specificity. 1987 , 26, 241-70	17

2164	Effects of treatment with DNA-directed cancer chemotherapeutic agents after polyamine depletion. 1987 , 32, 183-90	14
2163	Localization of ornithine decarboxylase in barley leaves infected by brown rust (Puccinia hordei). 1987 , 89, 83-87	1
2162	Generation of hemolytic activity in ozone-treated phosphatidylcholine. 1987 , 42, 406-14	5
2161	The induction of ornithine decarboxylase by the tumor promoter TPA is controlled at the post-transcriptional level in murine Swiss 3T3 fibroblasts. 1987 , 147, 219-25	31
2160	Effects of methylglyoxal bis(guanylhydrazone) and two phenylated analogues on S-adenosylmethionine decarboxylase activity from Eimeria stiedai (Apicomplexa). 1987 , 87, 863-6	1
2159	Species-specific Inhibitory Effect of Lupine Alkaloids on Translation in Plants. 1987 , 128, 433-442	12
2158	Polyamine distribution and activity of their biosynthetic enzymes in the European sea bass (Dicentrarchus labrax L.) compared to the rat. 1987 , 88, 475-80	4
2157	Cloning and nucleotide sequence of rat ornithine decarboxylase cDNA. 1987 , 60, 145-55	63
2156	Protection of wheat against leaf and stem rust and powdery mildew diseases by inhibition of polyamine metabolism. 1987 , 51, 311-6	23
2155	Ornithine decarboxylase lability in 2 transplantable highly deviated rat hepatomas. 1987 , 36, 35-43	1
2154	Determination of polyamines in digestive and reproductive tissues of adult Asterias vulgaris (Echinodermata: Asteroidea). 1987 , 88, 309-12	3
2153	Dopaminergic regulation of polyamine synthesis in the rat pituitary gland. 1987 , 51, 219-25	7
2152	Electron microscopy and biochemical properties of polyamine-compacted DNA. 1987, 26, 6387-92	110
2151	High speed HPLC analysis of polyamines in plant tissues. 1987 , 83, 232-4	59
2150	Time-dependent differential effects of natural and recombinant murine interferon-gamma on ornithine decarboxylase activity of tumor cells. 1987 , 101, 927-32	
2149	Permissive role for ornithine decarboxylase and putrescine in the luteinising hormone surge. 1987 , 45, 473-8	7
2148	Arginine decarboxylase inhibitors reduce the capacity of Trypanosoma cruzi to infect and multiply in mammalian host cells. 1987 , 84, 4278-82	51
2147	Rapid and sensitive assay of ornithine decarboxylase activity by high-performance liquid chromatography of the o-phthalaldehyde derivative of putrescine. 1987 , 419, 291-5	8

2146	Immunocytochemical localization of polyamines in normal and neoplastic cells. Comparisons to the formaldehyde-fluorescamine and o-phthalaldehyde methods. 1987 , 19, 643-50	28
2145	Cyclosporine and alpha-difluoromethylornithine exhibit differential effects on colon and pancreatic cancer in vitro. 1987 , 5, 251-8	10
2144	Role of polyamines in the synthesis of RNA in mycobacteria. 1987 , 78, 3-8	6
2143	Thermal denaturation of mononucleosomes in the presence of spermine, spermidine, N1-acetylspermidine, N8-acetylspermidine or putrescine: implications for chromosome structure. 1987 , 12, 21-6	8
2142	Intracellular distribution of active and inactive transglutaminase in stimulated cultured C6 glioma cells. 1987 , 130, 44-50	21
2141	Spermidine mediates degradation of ornithine decarboxylase by a non-lysosomal, ubiquitin-independent mechanism. 1987 , 130, 133-41	63
2140	Fusion-mediated microinjection of active amine and diamine oxidases into cultured cells: effect on protein and DNA synthesis in chick embryo fibroblasts and in glioma cells. 1987 , 131, 92-8	23
2139	Cell-cycle-dependent expression of human ornithine decarboxylase. 1987 , 132, 545-51	41
2138	HPLC determination of polyamines in the femtomole range. 1987 , 2, 173-6	16
2137	Methylglyoxal bis(guanylhydrazone) analogs: multifunctional inhibitors for polyamine enzymes. 1987 , 22, 553-558	8
2136	Metabolism and functions of polyamines. 1987 , 15, 106-110	6
2135	Effect of difluoromethyl ornithine (DFMO) on small intestine of adult and weanling rats. 1987, 32, 883-8	20
2134	Putrescine-activated S-adenosylmethionine decarboxylase from Acanthamoeba culbertsoni. 1987 , 23, 247-52	21
2133	Biochemical changes associated with alpha-difluoromethylornithine uptake and resistance in Trypanosoma brucei. 1987 , 25, 227-38	61
2132	Polyamine metabolism in filarial worms. 1987 , 24, 155-62	39
2131	In vivo effects of difluoromethylornithine on trypanothione and polyamine levels in bloodstream forms of Trypanosoma brucei. 1987 , 24, 185-91	160
2130	Nonspecific inhibition of Escherichia coli ornithine decarboxylase by various ribosomal proteins: detection of a new ribosomal protein possessing strong antizyme activity. 1987 , 911, 180-90	20
2129	Diamine oxidase is important in assessment of polyamine effects on hemopoietic cell proliferation in vitro. 1987 , 23, 257-60	4

2128	archaebacteria and some eubacteria. 1987 , 43, 301-305	23
2127	Polyamine metabolism in Acanthamoeba: polyamine content and synthesis of ornithine, putrescine, and diaminopropane. 1987 , 34, 278-84	29
2126	Polyamine metabolism in rat parotid gland after duct ligation. 1987 , 131, 177-81	2
2125	Dissociation of annulate lamellae in P3J, a Burkitt's lymphoma cell line. 1988 , 98, 169-83	2
2124	Induction of annulate lamellae by alpha-difluoromethylornithine in P3J, a Burkitt's lymphoma cell line. 1988 , 98, 19-31	5
2123	Ornithine decarboxylase properties: is there a role for a microsome-bound inactivating activity?. 1988 , 6, 107-14	3
2122	Kinetic study of the inhibition of rat liver ornithine decarboxylase by diamines; considerations on the mechanism of interaction between enzyme and inhibitor. 1988 , 20, 463-70	2
2121	Regulation of the dephosphorylation of phosphorylase A by glucose, AMP and polyamines. 1988 , 20, 197-201	2
2120	Polyamine-directed preferential nutritional repletion of normal tissues in tumor-bearing hosts. 1988 , 42, 744-7	5
2119	Involvement of cAMP and calcium in the induction of ornithine decarboxylase activity in an osteoblast cell line. 1988 , 135, 488-94	13
2118	Methylglyoxal-bis(guanylhydrazone)-resistant Chinese hamster ovary cells: genetic evidence that more than a single locus controls uptake. 1988 , 136, 133-9	24
2117	Characterization of a polyamine transport system in murine embryonic palate mesenchymal cells. 1988 , 136, 237-46	32
2116	Glucose elevates ornithine decarboxylase expression in Vero cells. 1988, 137, 469-75	13
2115	Kinetic arguments for the existence of a single form of intestinal ornithine decarboxylase during the postnatal development of normal and sparse-fur mutant mice and after EGF treatment. 1988 , 44, 251-2	3
2114	Reversed-phase liquid chromatographic separation and simultaneous fluorimetric detection of polyamines and their monoacetyl derivatives in human and animal urine, serum and tissue samples: an improved, rapid and sensitive method for routine application. 1988 , 430, 249-62	74
2113	Differential sensitivity of pancreatic and colon cancer to cyclosporine and alpha-difluoromethylornithine in vivo. 1988 , 6, 265-72	10
2112	Alterations in human circulating and bone marrow mononuclear cell polyamine levels in hematologic malignancies as a consequence of difluoromethylornithine administration. 1988 , 6, 125-34	1
2111	The influence of polyamine-nucleic acid complexes on Fe2+ autoxidation. 1988 , 83, 179-85	10

2110	Analyzing the effects of exogeneous polyamines and growth regulators on plating efficiency of sweet potato protoplasts using a central composite test design. 1988 , 7, 216-9	12
2109	Biochemical correlates of selection for weight-for-age in chickens: twenty-fold higher muscle ornithine decarboxylase levels in modern broilers. 1988 , 75, 432-437	33
2108	Inhibition of the yeast-mycelial transition and the phorogenesis of Mucorales by diamino butanone. 1989 , 151, 10-4	24
2107	Convenient routes to alkyl-substituted polyamines. 1988 , 29, 6651-6654	14
2106	Ornithine decarboxylase activity and immunohistochemical location in postischemic brain. 1988 , 8, 843-7	45
2105	Thermodynamics of simple and mixed complexes of copper(II) with adenosine 5'-monophosphate and spermine. 1988 , 32, 153-61	28
2104	Purification and properties of ornithine decarboxylase from germinated barley seeds. 1988 , 27, 989-992	13
2103	Erythrocyte polyamines of normal individuals and patients with Sickle Cell Anemia (SCA). 1988 , 11, 11-14	
2102	Independent and interrelated regulation of ornithine decarboxylase by calcium and cAMP in fetal rat osteoblasts. 1988 , 9, 181-91	9
2101	Effect of diethyl maleate on hepatic ornithine decarboxylase. 1988 , 92, 194-202	14
2100	Interaction of alkylputrescines with ornithine decarboxylase from rat liver and Escherichia coli: an in vitro and in vivo study. 1988 , 954, 114-25	2
2099	Covalent incorporation of polyamines as gamma-glutamyl derivatives into CHO cell protein. 1988 , 952, 325-33	41
2098	Inhibition of cyclic nucleotide phosphodiesterase and calcineurin by spermine, a calcium-independent calmodulin antagonist. 1988 , 957, 138-42	20
2097	Temporal alterations in polyamine content and ornithine decarboxylase activity during the larval-pupal development of Manduca sexta. 1988 , 18, 853-859	27
2096	Ergothioneine, Histidine, and Two Naturally Occurring Histidine Dipeptides as Radioprotectors against Erradiation Inactivation of Bacteriophages T4 and P22. 1988 , 114, 319	21
2095	Adsorption of cations to phosphatidylinositol 4,5-bisphosphate. 1988 , 27, 7435-43	129
2094	Polyamines stimulate the activity of glycogen synthase (casein) kinase-1 from bovine kidney and different rat tissues. 1988 , 267, 167-75	14
2093	Spermine, another specific allosteric activator of calcium uptake in rat liver mitochondria. 1988 , 267, 205-10	31

2092 Polyamine transport in Neurospora crassa. 1988 , 267, 479-89	31
Insulin and phorbol myristic acetate induce ornithine decarboxylase in Reuber H35 rat hepatoma cells by different mechanisms. 1988 , 266, 343-50	8
Involvement of the ornithine decarboxylase pathway in macrophage collagenase production. 1988 , 260, 218-25	13
2089 Multiple molecular forms of mouse liver arginase. 1988 , 260, 469-79	25
2088 Regulation of ornithine decarboxylase from Mycobacterium smegmatis. 1988, 264, 288-94	2
Polyamine metabolism in an obligately alkalophilic Bacillus alcalophilus that grows at pH 11.0. 1988 , 150, 185-91	8
2086 Growth factors and intestinal neoplasms. 1988, 155, 526-36	48
Oncogenes modulate cellular gene expression and repress glucocorticoid regulated gene transcription. 1988 , 29, 457-63	17
2084 Diamine and polyamine levels in the urine of healthy adults. 1988 , 176, 107-13	8
Stabilization of ornithine decarboxylase in mouse liver and lung by methylglyoxal bis(cyclohexylamidinohydrazone). 1988 , 37, 4117-20	
2082 The effect of hyperthermia on ornithine decarboxylase activity in different rat tissues. 1988 , 37, 497-502	9
Histamine H2-receptor mediated activation of neonatal rat brain ornithine decarboxylase in vivo. $1988, 37, 551-4$	8
Correlation between transglutaminase activity and polyamine levels in human neuroblastoma cells. Effect of retinoic acid and alpha-difluoromethylornithine. 1988 , 179, 429-45	43
Plasmodium falciparum: purification, properties, and immunochemical study of ornithine decarboxylase, the key enzyme in polyamine biosynthesis. 1988 , 67, 20-30	14
Polylysine activates and alters the divalent cation requirements of the insulin receptor protein tyrosine kinase. 1988 , 231, 397-401	39
Isolation and characterization of an 18 kDa hypusine-containing protein from cultured NB-15 mouse neuroblastoma cells. 1988 , 971, 21-8	2
2076 Polyamine metabolism of filaria and allied parasites. 1988 , 4, 18-20	26
2075 Origin of falciparum. 1988 , 4, 20	

2074 Industrial approaches to tropical diseases. 1988, 4, 20-1

2073	Polyamines and cell proliferation in the sea star Pycnopodia helianthoides. 1988 , 90, 885-90	4
2072	Induction of ornithine decarboxylase in adult rat hippocampal slices. 1988 , 464, 313-8	10
2071	Liver ornithine decarboxylase activity in the European sea bass (Dicentrarchus labrax L.): effects of protein composition of the diet, environmental conditions and age. 1988 , 89, 137-141	1
2070	Recognition of Z-RNA and Z-DNA determinants by polyamines in solution: experimental and theoretical studies. 1988 , 6, 299-309	20
2069	Compensatory growth of the lung following partial pneumonectomy. 1988 , 14, 157-82	77
2068	Tissue distribution of polyamines in pig eye. 1. Introduction. 1988 , 46, 823-5	3
2067	Isolation and characterization of an 18 kDa hypusine-containing protein from cultured NB-15 mouse neuroblastoma cells. 1988 , 971, 21-28	
2066	The effect of structural changes in a polyamine backbone on its DNA-binding properties. 1988 , 152, 1441-6	44
2065	Specificity of a nucleolar 2'-O-methyltransferase for RNA substrates. 1988 , 155, 530-7	2
2064	Polyamines are intracellular messengers in the beta-adrenergic regulation of Ca2+ fluxes, [Ca2+]i and membrane transport in rat heart myocytes. 1988 , 153, 1179-85	34
2063	Effect of various polyamine analogs on in vitro polypeptide synthesis. 1988 , 261, 250-6	11
2062	Regulation of mammalian S-adenosylmethionine decarboxylase. 1988 , 27, 43-55	23
2061	Role of glutathione and other endogenous thiols in radiation protection. 1988 , 39, 269-74	28
2060	Tumor uptake studies of D,L-[5-14C]ornithine and D,L-2-difluoromethyl [5-14C]ornithine. 1988 , 15, 119-22	4
2059	Regulatory peptides and amines during ontogeny and in non-endocrine cancers: occurrence and possible functional significance. 1988 , 17, 1-222	8
2058	Tumor uptake studies of S-adenosyl-L-[methyl-11C]methionine and L-[methyl-11C]methionine. 1988, 15, 123-6	12
2057	Structural specificity of polyamines in left-handed Z-DNA formation. Immunological and spectroscopic studies. 1988 , 201, 463-7	94

2056 Effects of spermine and magnesium ions on the aminoacylation of yeast tRNA(Tyr). 1988 , 70, 637-44	4
2055 Passive sequestration of putrescine, spermidine and spermine by rat lungs. 1988 , 966, 22-9	8
Site of action for the estradiol-induced luteinizing hormone surge in farm animals and primates. 1988, 5, 265-81	5
2053 Polyamines in relation to human breast, rectal and squamous cell carcinoma. 1988 , 39, 311-8	16
2052 Patterns of nitrogen excretion in the phylum echinodermata. 1988 , 91, 317-321	7
Role of polyamines and intracellular pH change in the hypertrophy of the denervated rat hemidiaphragm. 1988 , 967, 314-7	
2050 Role of epidermal growth factor in gastroprotection and ulcer healing. 1988 , 23, 129-33	42
Influence of total parenteral nutrition on tumor growth and polyamine biosynthesis of fibrosarcoma-bearing rats after induced cachexia. 1988 , 12, 441-4	3
Failure of ornithine decarboxylase inhibition to alter small intestinal epithelial repair after transient segmental ischaemia. 1988 , 29, 935-40	2
2047 c-myc and c-myb protein degradation: effect of metabolic inhibitors and heat shock. 1988 , 8, 2504-12	143
A twenty-two-fold increase in the relative affinity of estrogen receptor to poly (dA-dC).poly (dG-dT) in the presence of polyamines. 1988 , 16, 4705-20	33
Different binding modes of spermine to A-T and G-C base pairs modulate the bending and stiffening of the DNA double helix. 1988 , 6, 235-46	40
2044 Cellular origin of prolonged induction of ornithine decarboxylase in the rat ovary. 1988 , 187, 350-4	3
High performance liquid chromatography of the dansyl derivatives of putrescine, spermidine, and spermine. 1988 , 87 , $519-22$	43
Amplification and expression of heterologous ornithine decarboxylase in Chinese hamster cells. 1988, 8, 764-9	16
2041 Mouse ornithine decarboxylase gene: cloning, structure, and expression. 1988 , 85, 2200-4	75
2040 Polyamine levels and gastrin receptors in colon cancers. 1988 , 207, 662-9	44
2039 Polyamines and insulin production in isolated mouse pancreatic islets. 1988 , 252, 701-7	44

2038	Effect of inhibitors of S-adenosylmethionine decarboxylase on the contents of ornithine decarboxylase and S-adenosylmethionine decarboxylase in L1210 cells. 1988 , 254, 45-50	20
2037	Studies of non-metabolizable polyamines that support growth of SV-3T3 cells depleted of natural polyamines by exposure to alpha-difluoromethylornithine. 1988 , 254, 373-8	25
2036	Polyamines inhibit phospholipase C-catalysed polyphosphoinositide hydrolysis. Studies with permeabilized GH3 cells. 1988 , 255, 1015-21	50
2035	Modulation of inositol phospholipid metabolism by polyamines. 1988 , 256, 125-30	30
2034	Synthesis of hepatic protein during pregnancy in the rat. 1988 , 118, 1319-24	2
2033	Adjustment of polyamine contents in Escherichia coli. 1988 , 170, 3131-5	41
2032	DNA methylation and polyamines in regulation of development of the fungus Mucor rouxii. 1988 , 170, 5946-8	20
2031	Distribution of polyamines and their biosynthetic enzymes in intestinal adaptation. 1988 , 254, G194-200	8
2030	Compensatory route of spermidine acetylation and oxidation can supply sufficient putrescine for hepatic DNA synthesis at an early stage after partial hepatectomy in diaminopropane-treated rats. 1988, 104, 98-101	22
2029	Effect of dietary zinc deficiency and the associated drop in voluntary food intake on rat erythrocyte membrane polyamines. 1988 , 118, 987-94	19
2028	Characteristics of putrescine uptake in isolated rat enterocytes. 1988, 254, G81-6	13
2027	Transport of Polyamines in Sugar Beet Seedlings. 1989 , 44, 59-63	5
2026	Characteristics of spermidine uptake by isolated rat enterocytes. 1989 , 256, G905-10	14
2025	Polyamine-mediated regulation of mouse ornithine decarboxylase is posttranslational. 1989 , 9, 5484-90	95
2024	Rearrangement between ornithine decarboxylase and the switch region of the gamma 1 immunoglobulin gene in alpha-difluoromethylornithine resistant mouse myeloma cells 1989 , 8, 1163-1167	12
2023	Localization of spermidine uptake in rabbit lung slices. 1989 , 257, C579-87	7
2022	Diamine oxidase (DAO) activity increase in sera of tumor patients: An unreliable marker. 1989 , 4, 194-196	
2021	Regulation of mouse ornithine decarboxylase activity by cell growth, serum and tetradecanoyl phorbol acetate is governed primarily by sequences within the coding region of the gene. 1989 , 17, 9843-60	54

Effect of whey proteins, their oligopeptide hydrolysates and free amino acid mixtures on growth and nitrogen retention in fed and starved rats. 1989 , 13, 382-6	57
Stimulation of growth and polyamine biosynthesis of the ciliated protozoan Tetrahymena thermophila. Regulation by L-arginine. 1989 , 370, 1113-26	6
2018 Polyamines in lymphocytes from patients infected by human immunodeficiency virus. 1989 , 370, 745-8	20
Polyamine effects on DNA-directed RNA polymerases in the ciliate Tetrahymena thermophila. In vivo- and in vitro-experiments suggesting highly specific regulative interactions. 1989 , 370, 451-66	13
Fifty-Two Membered Macromonocyclic Polyamine Possessing Twelve Nitrogen Atoms in the Ring: Cyclic Spermine Tetramer. 1989 , 19, 1009-1014	9
Short- and long-term effects of secretin and a cholecystokinin-like peptide on pancreatic growth and synthesis of RNA and polyamines. 1989 , 24, 721-32	24
Polyamines mediate androgenic stimulation of calcium fluxes and membrane transport in rat heart myocytes. 1989 , 64, 415-26	66
Differential effects of parenteral nutrition on tumor growth and erythrocyte polyamine levels in the rat. 1989 , 13, 590-5	5
Molecular dynamics of spermine-DNA interactions: sequence specificity and DNA bending for a simple ligand. 1989 , 17, 6883-92	45
2011 Polyamines, DNA synthesis, and tolerance to hyperoxia of mice and rats. 1989 , 139, 387-92	10
Effects of polyamines on the ion content and solutes excretion of isolated embryonic axes and the germination rate of seeds of chickpea. 1989 , 12, 509-522	2
2009 Polyamines in gastrointestinal cancer. 1989 , 34, 1629-36	15
Effect of temperature and diet on polyamine concentrations of the European sea bass (Dicentrarchus labrax L.). 1989 , 94, 581-585	
Polyamine metabolism and cell-cycle-dependent gene expression in IMR-90 human diploid fibroblasts during senescence in culture. 1989 , 24, 523-37	10
Responses of liver enzymes to cadmium administration in the goldfish (Carassius auratus) at different times of the year. 1989 , 94, 177-181	
Modulation of ornithine decarboxylase gene transcript levels by differentiation inducers in human promyelocytic leukemia HL60 cells. 1989 , 28, 39-46	11
Synergistic induction of rat hepatic ornithine decarboxylase by multiple doses of cobalt chloride. 1989 , 72, 157-67	
Dose-dependent inhibition by cyclosporine A of the induction of pancreatic ornithine decarboxylase (ODC) in rats. 1989 , 5, 179-89	1

2002	Noncovalent interactions in ternary complexes of spermine and copper(II) with adenosine 5'-triphosphate and tripolyphosphate. 1989 , 37, 201-11		19
2001	Structure-function relationships of icosahedral plant viruses. 1989 , 109, 153-72		2
2000	Assignment of a gene encoding ornithine decarboxylase to the proximal region of chromosome 12 in the mouse. 1989 , 27, 745-53		17
1999	Stimulation of Ethylene Production by Exogenous Spermidine in Detached Tobacco Leaves in the Light. 1989 , 31, 58-66		10
1998	Receptors involved in the nervous system regulation of polyamine metabolism in rat salivary glands. 1989 , 135, 255-61		10
1997	Degradation of ornithine decarboxylase in mammalian cells is ATP dependent but ubiquitin independent. 1989 , 185, 469-74		86
1996	Epidermal growth factor: modulator of murine embryonic palate mesenchymal cell proliferation, polyamine biosynthesis, and polyamine transport. 1989 , 140, 359-70		34
1995	Ornithine decarboxylase activity in tumor: A study with L-[1¶4C]- and L-[5¶4C]-ornithine. 1989 , 26, 481-483		3
1994	Changes in ornithine decarboxylase activity and polyamine content and effects of polyamine inhibitors in the regenerating planarian Dugesia (G) tigrina. 1989 , 250, 150-161		5
1993	Ornithine decarboxylase in resting human mononuclear leucocytes: evidence for an endogenous inhibitor. 1989 , 21, 1169-75		3
1992	Protection from chlordecone (Kepone)-potentiated CCl4 hepatotoxicity in rats by fructose 1,6-diphosphate. 1989 , 21, 949-54		19
1991	Effect of orally-administered epidermal growth factor on intestinal iron absorption and mucosal permeability. 1989 , 7, 157-63		5
1990	Heat shock stimulates polyamine oxidation by two distinct mechanisms in mammalian cell cultures. 1989 , 16, 451-7		46
1989	Determination of polyamines by precolumn derivatization with 9-fluorenylmethyl chloroformate and reverse-phase high-performance liquid chromatography. 1989 , 29, 27-31		18
1988	Decreased cell replication and polyamine content in insulin-producing cells after exposure to human interleukin 1 beta. 1989 , 22, 267-72		31
1987	Polyamine interaction with Z-DNA. 1989 , 7, 71-5		15
1986	Complexation of putrescine with copper(II), zinc(II), lead(II) and magnesium(II) in aqueous solution. <i>Polyhedron</i> , 1989 , 8, 2645-2648	2.7	12
1985	Rapid stimulation of calcium uptake by isolated rat enterocytes by 1,25(OH)2D3. 1989 , 413, 407-13		21

1984 Polyamine metabolism in Setaria cervi, the bovine filarial worm. 1989 , 75, 311-5	7
1983 Effect of histamine on the development of astroglial cells in culture. 1989 , 14, 693-700	27
1982 Oxidation of polyamines by pyrroloquinoline quinone (PQQ). 1989 , 45, 4235-4242	2
Defined, serum-free culture conditions for the GM-micro-clonogenic assay using agar-capillarie 1981 1989 , 59, 171-6	'S. 1
Mononuclear cell polyamine content associated with myeloid maturation in patients with leuke during administration of polyamine inhibitors. 1989 , 7, 119-29	emia 1
2-Deoxy-D-glucose inhibits the antitumor effects of alpha-difluoromethylornithine on the grov of colon cancer in vivo. 1989 , 7, 131-8	vth
Comparison of polyamine and S-adenosylmethionine contents of growing and encysted Acanthamoeba isolates. 1989 , 90, 145-53	16
Properties of purified L-ornithine decarboxylase (EC 4.1.1.17) from Tetrahymena thermophila. , 36, 577-82	1989 6
The effect of salt stress on polyamine biosynthesis and content in mung bean plants and in halophytes. 1989 , 76, 295-302	63
1975 The role of arginine decarboxylase in modulating the sensitivity of barley to ozone. 1989 , 61, 9	5-106 ₃ 8
The role of polyamines in interferon and retinoic acid mediated synergistic antiproliferative act 1974 1989 , 44, 55-9	tion.
Human ornithine decarboxylase(ODC)-encoding gene: cloning and expression in ODC-deficient CHO cells. 1989 , 83, 125-35	: 14
Polyamines in rat adipocytes: their localization and their effects on the insulin receptor binding 1972 1989 , 62, 161-6] . 18
1971 Active transport and metabolic characteristics of polyamines in the rat lens. 1989 , 993, 199-203	3 5
1970 Polyamine transport systems in the LLC-PK1 renal epithelial established cell line. 1989 , 1012, 1	71-7 25
Effects of inhibitors of polyamine biosynthesis on growth and organization of meristematic cer in Petunia protoplast cultures. 1989 , 62, 123-128	nters 9
1968 Micrococcal nuclease digestion study of spermidine-condensed DNA. 1989 , 11, 241-8	10
Inhibition of spiracle and crochet formation and juvenile hormone activity of isothiocyanate derivatives in the tobacco hornworm, Manduca sexta. 1989 , 35, 259-274	8

1966	Polyamine biosynthetic decarboxylases in muscles of rats with different experimental myopathies. 1989 , 89, 27-35	1
1965	Effect of S-adenosyl-1,12-diamino-3-thio-9-azadodecane, a multisubstrate adduct inhibitor of spermine synthase, on polyamine metabolism in mammalian cells. 1989 , 28, 8446-53	57
1964	Polyamine levels as biomarkers of injury response in polytrauma victims. 1989 , 38, 625-30	24
1963	Biochemical and genetic characterization of the structure of yeast ornithine decarboxylase. 1989 , 162, 1409-16	6
1962	Modulation of growth gene expression by selective alteration of polyamines in human colon carcinoma cells. 1989 , 165, 384-90	37
1961	The structure and regulation of protein phosphatases. <i>Annual Review of Biochemistry</i> , 1989 , 58, 453-508 _{29.1}	2341
1960	Effect of spermidine on the development of bacteriophage SP6. 1989 , 270, 77-83	
1959	In vitro transport of ornithine carbamoyltransferase precursor into rat liver mitochondria using a more homologous medium. 1989 , 275, 224-7	1
1958	Two mechanisms of spermidine/spermine N1-acetyltransferase-induction. 1989, 268, 209-14	17
1957	Polyamine stimulation of ribosomal synthesis and activity in a polyamine-dependent mutant of Escherichia coli. 1989 , 268, 379-87	18
1956	Relationship of human gingival crevicular fluid polyamine concentration to the percentage of spirochaetes in subgingival dental plaque. 1989 , 34, 373-5	2
1955	Polyamines inhibit the ATP-dependent proteolytic pathway in rabbit reticulocyte lysates. 1989 , 243, 141-4	7
1954	Histamine and serotonin inhibit induction of ornithine decarboxylase by ornithine in perifused Ehrlich ascites tumour cells. 1989 , 250, 257-61	14
1953	Expression of catalytically active rat S-adenosylmethionine decarboxylase in Escherichia coli. 1989 , 258, 123-6	1
1952	Polyamine metabolism in Ancylostoma ceylanicum and Nippostrongylus brasiliensis. 1989 , 19, 191-8	8
1951	Stimulus-secretion coupling of arginine-induced insulin release. Insulinotropic action of agmatine. 1989 , 38, 327-30	68
1950	Swelling of the Golgi apparatus and decrease of galactosyltransferase in polyamine-deficient bovine lymphocytes and epithelium of mouse small intestine. 1989 , 38, 1083-9	8
1949	Inhibition by polyamines of methylthiopropylamine-induced ornithine decarboxylase in human lymphoid leukemia Molt 4B cells. 1989 , 38, 3673-6	2

¹⁹⁴⁸ of	lyamines mediate the reversible opening of the blood-brain barrier by the intracarotid infusion hyperosmolal mannitol. 1989 , 483, 110-6	30
1947 M o	olecular biology of cell activation. 1989 , 183, 24-35	46
	estruction of specific hippocampal cell fields increases ornithine decarboxylase activity: odulation of the biochemical but not the histological changes by ganglioside GM1. 1989 , 105, 54-61	9
1945 Po	lyamine profiles in rat testis, germ cells and Sertoli cells during testicular maturation. 1989 , 10, 145-51	16
	e changing profiles of L-ornithine decarboxylase and S-adenosyl-L-methionine decarboxylase tivities in testicular cell types during sexual maturation of male rats. 1989 , 10, 152-8	18
	lyamine-mediated control of mammalian S-adenosyl-L-methionine decarboxylase expression: fects on the content and translational efficiency of the mRNA. 1989 , 160, 1196-202	29
	lyamines are sufficient to drive the transport of the precursor of ornithine carbamoyltransferase to rat liver mitochondria: possible effect on mitochondrial membranes. 1989 , 158, 287-93	7
1941 Ph	otoperiod influences the growth of colon cancer in mice. 1989 , 45, 737-44	5
1940 Bi o	osynthetic arginine decarboxylase in phytopathogenic fungi. 1989 , 44, 1215-22	26
	ditive stimulation of hepatic putrescine production by glucagon and insulin after partial patectomy in rats. 1989 , 45, 77-83	8
1938 All	tered ornithine metabolism in tumor-bearing mice. 1989 , 45, 1877-84	15
1937 Рг	evention of rapid intracellular degradation of ODC by a carboxyl-terminal truncation. 1989 , 243, 1493-5	234
	nibition of polyamine synthesis by alpha-difluoromethylornithine and its effects on pancreatic cretion and growth in the rat. 1989 , 24, 733-44	10
1935 Ba	se only binding of spermine in the deep groove of the A-DNA octamer d(GTGTACAC). 1989 , 28, 2360-4	174
1934 Sig	gnal transduction during craniofacial development. 1989 , 20, 137-52	31
1933 No	ovel biochemical pathways in parasitic protozoa. 1989 , 99 Suppl, S93-112	102
	lyamine Biosynthetic Enzymes and the Effect of their Inhibition on the Growth of Some ytopathogenic Fungi1. 1989 ,	
1931 Po	lyamines in human gastric and esophageal cancer. 1989 , 24, 1193-9	8

1930	Influence of polyamines on membrane functions. 1989 , 260, 1-10	396
1929	DNA and spermidine provide a switch mechanism to regulate the activity of restriction enzyme Nae I. 1989 , 86, 9707-11	70
1928	Major pathway for putrescine synthesis induced by 1 alpha,25-dihydroxyvitamin D3 in chick duodenum. 1989 , 96, 1494-501	9
1927	Characterization of putrescine production in nongrowing Vibrio parahaemolyticus cells in response to external osmolality. 1989 , 33, 11-21	5
1926	Feedback regulation of S-adenosylmethionine decarboxylase synthesis. 1989 , 257, 929-31	26
1925	Feedback control of ornithine decarboxylase expression by polyamines. Analysis of ornithine decarboxylase mRNA distribution in polysome profiles and of translation of this mRNA in vitro. 1989, 258, 343-50	62
1924	Involvement of thiol transferase- and thioredoxin-dependent systems in the protection of 'essential' thiol groups of ornithine decarboxylase. 1989 , 259, 111-5	30
1923	Differential stimulation of S-adenosylmethionine decarboxylase by difluoromethylornithine in the rat colon and small intestine. 1989 , 259, 513-8	3
1922	Properties and fluctuations in vivo of rat liver antizyme inhibitor. 1989 , 259, 839-45	40
1921	Purification and partial characterization of human polyamine synthases. 1989 , 259, 879-86	27
1920	A novel type of putrescine (diamine)-acetylating enzyme from the nematode Ascaris suum. 1989 , 260, 265-9	15
1919	Characterization of antilipolytic action of polyamines in isolated rat adipocytes. 1989 , 261, 661-5	12
1918	Expression of a human gene for polyamine transport in Chinese-hamster ovary cells. 1989 , 263, 745-52	54
1917	Ornithine decarboxylase and diamine oxidase in human colon carcinoma cell line CaCo-2 in culture. 1989 , 97, 888-94	31
1916	Co-ordinated changes in the cyclic AMP signalling system and the phosphorylation of two nuclear proteins of Mr 130,000 and 110,000 during proliferative stimulation of the rat parotid gland by isoprenaline. Possible identity of the two proteins with pp135 and nucleolin. 1989 , 263, 785-93	8
1915	Design and Synthesis of Macromonocyclic Polyamines Composed of Natural Methylene Arrays. 1989 , 62, 198-210	22
1914	Effects of dietary amines on the small intestine in calves fed soybean protein. 1989 , 119, 1034-41	44
1913	Urinary excretion of polyamines: importance of circadian rhythm, age, sex, menstrual cycle, weight, and creatinine excretion. 1990 , 52, 746-51	17

1912	Spermidine Uptake by Mitochondria of Helianthus tuberosus. 1990 , 92, 690-5	27
1911	Cell type-specific mechanisms of regulating expression of the ornithine decarboxylase gene after growth stimulation. 1990 , 10, 5525-8	45
1910	Immunologic effects of arginine supplementation in tumor-bearing and non-tumor-bearing hosts. 1990 , 211, 202-10	75
1909	Polyamine concentrations in pancreatic tissue, serum, and urine of patients with pancreatic cancer. 1990 , 5, 119-27	34
1908	Paraquat toxicity is increased in Escherichia coli defective in the synthesis of polyamines. 1990 , 87, 2851-5	66
1907	Ternary interactions of spermine with DNA: 4'-epiadriamycin and other DNA: anthracycline complexes. 1990 , 18, 5533-41	64
1906	Effect of norspermidine and its related triamines on the cell-free polyphenylalanine synthesizing system from Vibrio parahaemolyticus. 1990 , 34, 575-85	2
1905	Delineation between T and B suppressive molecules from human seminal plasma: II. Spermine is the major suppressor of T-lymphocytes in vitro. 1990 , 22, 64-9	21
1904	Induction of spermidine/spermine N1-acetyltransferase activity in Chinese-hamster ovary cells by N1N11-bis(ethyl)norspermine (corrected) and related compounds. 1990 , 267, 331-8	38
1903	bis(benzyl)polyamine analogues are substrates for a mammalian cell-transport system which is distinct from the polyamine-transport system. 1990 , 269, 35-40	17
1902	Effects of variation in the structure of spermine on the association with DNA and the induction of DNA conformational changes. 1990 , 269, 329-34	118
1901	Characterization of putrescine- and spermidine-transport systems of a rat pancreatic acinar tumoral cell line (AR4-2J). 1990 , 269, 629-32	23
1900	Characterization of a high-affinity membrane-associated ornithine decarboxylase from the free-living nematode Caenorhabditis elegans. 1990 , 270, 599-604	16
1899	N1N8-bis(gamma-glutamyl)spermidine cross-linking in epidermal-cell envelopes. Comparison of cross-link levels in normal and psoriatic cell envelopes. 1990 , 271, 305-8	45
1898	Determination of polyamines in rat tissues by high performance liquid chromatography after derivatization with 1-phenylsulfonyl-3,3,3-trifluoropropene 1990 , 6, 523-527	2
1897	Role of epidermal growth factor, prostaglandin, and sulfhydryls in stress-induced gastric lesions. 1990 , 99, 1607-15	121
1896	Erythrocyte polyamine levels in human prostatic carcinoma. 1990 , 144, 1164-6	22
1895	Changes in Polyamine Contents Development of the Frog, Microhyla ornata. 1990 , 32, 329-334	2

1894	Regulation of ornithine decarboxylase activity in the growth cycle of Tetrahymena thermophila. 1990 , 37, 273-7	4
1893	Suppression of ornithine decarboxylase gene expression by retinoids in cultured human keratinocytes. 1990 , 94, 33-6	19
1892	Casein kinase II is elevated in solid human tumours and rapidly proliferating non-neoplastic tissue. 1990 , 189, 251-7	189
1891	Spermine stimulates the threonyl-tRNA formation in rat liver. 1990 , 74, 33-43	1
1890	Dissimilar trophic effects of cerulein and xenopsin on the rat pancreas. 1990 , 6, 129-37	2
1889	Action of ornithine alpha ketoglutarate on DNA synthesis by human fibroblasts. 1990 , 26, 187-92	18
1888	Molecular mechanics of the interactions of spermine with DNA: DNA bending as a result of ligand binding. 1990 , 18, 1271-82	157
1887	Responses of polyamine metabolism to metal treatment (Co, Cu, Zn, Cd) in the liver of the goldfish (Carassius auratus): Distinct effect of season and temperature. 1990 , 97, 305-310	
1886	Cerebrospinal fluid concentrations of S-adenosylmethionine, methionine, and 5-methyltetrahydrofolate in a reference population: cerebrospinal fluid S-adenosylmethionine declines with age in humans. 1990 , 44, 192-9	22
1885	Induction of pathogenesis-related proteins by spermidine exogenously supplied to detached tobacco leaves. 1990 , 32, 241-246	1
1884	Evaluation of continuous-infusion alpha-difluoromethylornithine therapy for colorectal carcinoma. 1990 , 26, 223-6	12
1883	Concentration-dependent effects of natural polyamines on peptide chain initiation and elongation in a cell-free system of protein synthesis. 1990 , 99, 9-19	18
1882	Affinity chromatographic isolation of a major polyamine binding protein from serum and placenta, identified as serum albumin. 1990 , 527, 146-51	6
1881	Reversed-phase high-performance liquid chromatographic method for the measurement of polyamine oxidase activity. 1990 , 533, 187-94	9
1880	Polypeptide synthesis on ribosomes of an extreme thermophilic hydrogen bacterium Calderobacterium hydrogenophilum. 1990 , 153, 248-253	4
1879	Analysis of a cDNA encoding arginine decarboxylase from oat reveals similarity to the Escherichia coli arginine decarboxylase and evidence of protein processing. 1990 , 224, 431-6	80
1878	Juvenile hormone stimulation of ornithine decarboxylase activity during vitellogenesis in Drosophila melanogaster. 1990 , 160, 145-51	32
1877	Towards microfluorometric quantitation of polyamines in situ. Relationship between cellular polyamine concentration and fluorescence yield of the formaldehyde fluorescamine method. 1990 , 93, 359-62	5

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1876	Pea-seedling diamine oxidase: Applications in synthesis and evidence relating to its mechanism of action. 1990 , 31, 6907-6910	14
1875	Spermine induces the B-Z transition of poly(dG-dC) in 5% ethanol and dioxane. 1990 , 29, 1495-7	6
1874	Condensation of DNA by trivalent cations. 1. Effects of DNA length and topology on the size and shape of condensed particles. 1990 , 30, 619-30	214
1873	Enhanced binding of lupus sera to the polyamine-induced left-handed Z-DNA form of polynucleotides. 1990 , 33, 356-65	20
1872	Supplemental putrescine reverses ethanol-associated inhibition of liver regeneration. 1990 , 12, 633-7	41
1871	Antimutagens and anticarcinogens: a survey of putative interceptor molecules. 1990 , 15, 145-82	222
1870	Flow cytometric detection of ornithine decarboxylase activity in epidermal cell subpopulations. 1990 , 11, 832-6	5
1869	Measurement of 5'-methylthioadenosine in patients with neoplasms. 1990 , 45, 8-11	1
1868	Perturbations in polyamines and related enzymes following chlordecone-potentiated bromotrichloromethane hepatotoxicity. 1990 , 5, 23-32	5
1867	Mirex induces ornithine decarboxylase in female rat liver. 1990 , 5, 119-24	7
1866	Regulation of polyamine transport in Chinese hamster ovary cells. 1990 , 143, 460-7	53
1865	Regulation of the Na(+)-dependent and the Na(+)-independent polyamine transporters in renal epithelial cells (LLC-PK1). 1990 , 144, 365-75	16
1864	Polyamines in colorectal cancer. Evaluation of polyamine concentrations in the colon tissue, serum, and urine of 50 patients with colorectal cancer. 1990 , 65, 958-66	81
1863	Mitogenic induction of ornithine decarboxylase in human mononuclear leukocytes: relationships with adenosine diphosphate ribosyltransferase. 1990 , 22, 67-73	4
1862	Modulation by polyamines of DNA-dependent DNA polymerase activity from human serum. 1990 , 22, 545-9	2
1861	Gut microflora and tissue protein turnover in vivo in animals. 1990 , 22, 793-800	8
1860	Polyamine transport in mammalian cells. 1990 , 22, 211-8	255
1859	Polyamine biosynthesis inhibitors combined with systemic hyperthermia in cancer therapy. 1990 , 19, 89-96	7

1858	Separation of spermidine derivatives by reversed-phase high-performance liquid chromatography using a UV-absorbing counter ion. 1990 , 508, 229-31		5
1857	Spectrophotometric assay for total polyamines by immobilized amine oxidases. 1990 , 237, 391-397		27
1856	Characterization of maize polyamine oxidase. 1990 , 29, 2411-4		45
1855	Polyamine Metabolism. 1990 , 283-325		48
1854	Localization of arginine synthesis along rat nephron. 1990 , 259, F916-23		31
1853	Role of polyamines in mitogenic and secretory responses of pancreatic beta-cells to growth factors. 1990 , 259, C828-33		40
1852	Human spermidine synthase: cloning and primary structure. 1990 , 9, 103-10		30
1851	Polyamine metabolism in ripening tomato fruit: I. Identification of metabolites of putrescine and spermidine. 1990 , 94, 1449-55		45
1850	Purification and Properties of Arginase from Soybean, Glycine max, Axes. 1990 , 93, 1230-4		38
1849	In vitro regulation of mammary glucose-6-phosphate dehydrogenase activity by palmitoyl coenzyme A, acetate, and polyamines. 1990 , 193, 274-9		3
1848	Cellular and synaptic alterations in the aging brain. 1990 , 2, 5-25		6
1847	Role of Epidermal Growth Factor in Protection, Repair and Healing of Gastroduodenal Mucosal Injury. 1990 , 2, 13-17		
1846	Pyruvoyl-dependent enzymes. <i>Annual Review of Biochemistry</i> , 1990 , 59, 29-59	29.1	207
1845	Nucleotide sequence of rat S-adenosylmethionine decarboxylase cDNA. Comparison with an intronless rat pseudogene. 1990 , 86, 193-9		20
1844	Regulation of polyamine biosynthesis by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). 1990 , 53, 315-25		7
1843	Polyamines in plant physiology. 1990 , 94, 406-10		524
1842	Imaging prostate derived tumors with PET and N-(3-[18F]fluoropropyl)putrescine. 1990, 17, 525-32		9
1841	Translocation of Putrescine in the Ovule, Suspensor and Embryo of Phaseolus coccineus. 1990 , 136, 587-	591	24

1840	Characterization and reconstitution of a cell free system for NAD(+)-dependent deoxyhypusine formation on the 18 kDa eIF-4D precursor. 1990 , 1036, 128-37	12
1839	Ornithine decarboxylase activity in prostate and tumor: a feasibility study for PET with L-[5-14C]-and L-[5-14C]ornithine. 1990 , 17, 597-600	1
1838	Deoxyhypusine/hypusine formation on a 21,000-dalton cellular protein in a Neurospora crassa mutant in vivo and in vitro. 1990 , 1033, 133-8	8
1837	Arterial injury-induced smooth muscle cell proliferation in rats is accompanied by increase in polyamine synthesis and level. 1990 , 83, 119-25	22
1836	Phosphorylation of ornithine decarboxylase in intact erythroleukemia cells. 1990 , 1052, 345-7	11
1835	Polyamines, Phospholipids, and Peroxides in Normal and Habituated Sugar Beet Calli. 1990 , 136, 641-645	22
1834	Cloning and functional analysis of the rat ornithine decarboxylase-encoding gene. 1990 , 93, 249-56	28
1833	The regulation of G0-S transition in mouse T lymphocytes by polyamines. 1990 , 191, 239-45	20
1832	Different effects of TPA on two skin-derived cell lines: murine (HEL-30) and human (NCTC) epidermal cells. 1990 , 191, 129-32	8
1831	Specific binding of [3H]spermidine to membranes of rat brain. 1990 , 180, 393-4	17
1830	Stimulation and inhibition of 1,3-bis(2-chloroethyl)-1-nitrosourea-induced strand breaks and interstrand cross-linking in Col E1 plasmid deoxyribonucleic acid by polyamines and inorganic cations. 1990 , 40, 473-9	7
1829	Kinetoplast DNA-aggregating proteins from the parasitic protozoan Crithidia fasciculata. 1990 , 260, 57-61	4
1828	Action of spermidine, N1-acetylspermidine, and N8-acetylspermidine at apurinic sites in DNA. 1990 , 269, 389-93	2
1827	Polyamine regulation of the synthesis of thymidine kinase in bovine lymphocytes. 1990 , 278, 277-83	24
1826	The genetics of polyamine synthesis in Neurospora crassa. 1990 , 278, 386-91	27
1825	Responsibility of tRNA(Ile) for spermine stimulation of rat liver Ile-tRNA formation. 1990 , 279, 138-45	16
1824	Regulation of Ca2+ transport in brain mitochondria. I. The mechanism of spermine enhancement of Ca2+ uptake and retention. 1990 , 1016, 77-86	48
1823	Induction of angiogenesis in chick yolk-sac membrane by polyamines and its inhibition by tissue inhibitors of metalloproteinases (TIMP and TIMP-2). 1990 , 171, 1264-71	128

1822	Selection and coamplification of heterologous genes in mammalian cells. 1990 , 185, 537-66	148
1821	Effects of repeated infusions of substance P and vasoactive intestinal peptide on the weights of salivary glands subjected to atrophying influences in rats. 1990 , 101, 853-8	36
1820	Regulation of differentiated properties and proliferation of arterial smooth muscle cells. 1990 , 10, 966-90	494
1819	Different turnover of rat fetal and placental ornithine decarboxylases. 1990 , 47, 1195-202	1
1818	Differential effects of sex steroids on uterine and renal ODC activity in ovariectomized rats. 1990 , 47, 1261-7	6
1817	Inhibition of hormone-stimulated ornithine decarboxylase activity by lithium chloride. 1990 , 47, 233-40	9
1816	Control of Leishmania mexicana proliferation by modulation of polyamine intracellular levels. 1991 , 180, 797-804	10
1815	Modulation of the NMDA receptor by polyamines. 1991 , 48, 469-98	283
1814	Further evidence for the hypothesis that beta-endorphin mediates maternal deprivation effects. 1991 , 48, 643-8	6
1813	Polyamines and mammalian hormones. Part I: Biosynthesis, interconversion and hormone effects. 1991 , 77, 1-35	64
1812	Systemic alterations in ornithine decarboxylase activity caused by colon cancer in mice. 1991 , 58, 155-8	2
1811	Androgen-regulation of ornithine decarboxylase and S-adenosylmethionine decarboxylase genes. 1991 , 40, 307-15	24
1810	Effect of dibutyltin dilaurate on regional brain polyamines in rats. 1991 , 55, 179-83	6
1809	Histamine increases ornithine decarboxylase activity in different neonatal rat brain subcellular fractions. 1991 , 18, 237-41	
1808	Cellular energy metabolism and regulation. 1991 , 74, 678-94	14
1807	Effect of Methylglyoxal-Bis (Guanylhydrazone) on the Growth of Ceratocystis ulmi. 1991 , 138, 625-627	2
1806	Effects of central administration of beta-endorphin on brain and liver DNA synthesis in preweanling rats. 1991 , 40, 289-94	46
1805	Sites for antagonism on the N-methyl-D-aspartate receptor channel complex. 1991 , 31, 401-25	208

1804	The effects of polyamines on the immunogenicity of polynucleotides. 1991 , 20, 337-50	8
1803	Inhibition of liposomal lipid peroxidation by spermidine. 1992 , 9, 237-42	1
1802	Two new photoaffinity polyamines appear to alter the helical twist of DNA in nucleosome core particles. 1991 , 30, 4009-20	18
1801	Translational control mechanism of ornithine decarboxylase by asparagine and putrescine in primary cultured hepatocytes. 1991 , 291, 247-54	11
1800	Activation of phosphoinositide-specific phospholipase C delta from rat liver by polyamines and basic proteins. 1991 , 288, 243-9	53
1799	Increase in fidelity of rat liver Ile-tRNA formation by both spermine and the aminoacyl-tRNA synthetase complex. 1991 , 288, 495-9	4
1798	Stable ornithine decarboxylase in a rat hepatoma cell line selected for resistance to alpha-difluoromethylornithine. 1991 , 290, 143-52	24
1797	Spermine uptake by rat intestinal brush-border membrane vesicles. 1991 , 1068, 105-10	30
1796	Spermidine regulation of ornithine decarboxylase synthesis by a GC-rich sequence of the 5'-untranslated region. 1991 , 178, 815-22	19
1795	Blockade of alpha-and beta -adrenergic receptors can prevent stimulation of liver ornithine decarboxylase activity by glucocorticoid or laparatomy. 1991 , 174, 915-21	9
1794	Cultured hepatocytes bind and internalize bovine serum amine oxidase-gold complexes. 1991 , 179, 1169-74	19
1793	Correlation between spermine stimulation of rat liver Ile-tRNA formation and structural change of the acceptor stem by spermine. 1991 , 177, 745-50	20
1792	Structure and organization of the gene encoding rat S-adenosylmethionine decarboxylase. 1991 , 291, 289-95	12
1791	Polyamine uptake, binding and release in rat brain. 1991 , 193, 41-6	49
1790	Putrescine uptake and release by a normal rat small intestine crypt cell line, IEC-6. 1991 , 193, 241-52	18
1789	Involvement of protein kinase C in the regulation of ornithine decarboxylase mRNA by phorbol esters in rat hepatoma cells. 1991 , 194, 56-61	24
1788	Polyamine metabolism in some helminth parasites. 1991 , 72, 15-23	20
1787	Molecular features necessary for the uptake of diamines and related compounds by the polyamine receptor of rat lung slices. 1991 , 41, 1839-48	32

1786	Identification and characterization of specific binding sites of [3H]spermidine in synaptic membranes of rat brain. 1991 , 563, 17-27	18
1785	On the translational control of ornithine decarboxylase expression by polyamines. 1991 , 1090, 188-94	14
1784	Effect of glutathione on mitomycin C-induced micronuclei in bone marrow erythrocytes of Swiss albino mice. 1991 , 260, 131-5	5
1783	Essential role for polyamine biosynthesis in thyroxine stimulated pancreatic development in neonatal rats. 1991 , 1093, 65-71	5
1782	Presence of ornithine decarboxylase antizyme in primary cultured hepatocytes of the frog Xenopus laevis. 1991 , 1092, 161-4	8
1781	Inhibition by EDTA and enhancement by divalent cations or polyamines of the dithiothreitol-induced activation of adenylate cyclase in the cellular slime mold, Dictyostelium discoideum. 1991 , 1092, 85-8	4
1780	Preparation and characterization of polyclonal and monoclonal antibodies to polyamines. 1991 , 136, 23-30	19
1779	The cDNA sequence and expression of an ubiquitin-tail gene fusion in Neurospora crassa. 1991 , 102, 133-7	10
1778	Role of polyamine in the regulation of RNA synthesis in uterine nucleoli. 1991 , 39, 161-7	8
1777	Molecular studies on trypanothione reductase, a target for antiparasitic drugs. 1991 , 16, 305-9	27
1776	Ability of DNA and spermidine to affect the activity of restriction endonucleases from several bacterial species. 1991 , 30, 2543-9	69
1775	Ornithine decarboxylase induction in partially hepatectomized rat liver and modes of its stimulation by glucagon and insulin. 1991 , 110, 173-8	9
1774	Polyamines as constituents of the outer membranes of Escherichia coli and Salmonella typhimurium. 1991 , 173, 3695-9	40
1773	Stimulation of proximal small intestinal mucosal growth by luminal polyamines. 1991 , 261, G504-11	41
1772	Increase in spermine content coordinated with siderophore production in Paracoccus denitrificans. 1991 , 173, 2238-43	7
1771	Metabolic deviation of mouse liver by RhIL1-alpha or RhTNF/cachectin. 1991 , 109, 507-13	2
1770	Cancer and Pregnancy Characterization of Common Markers. 1991 , 6, 203-220	1
1769	TGF-beta stimulates insulin secretion and blocks mitogenic response of pancreatic beta-cells to glucose. 1991 , 260, C1046-51	49

1768 Protection by human serum fr	rom the immunosuppression induced by spermine in vitro. 1991 , 25, 153-7	1
1767 Polyamines in rabbit aqueous	humor after surgical trauma to the eye. 1991 , 10, 463-9	8
1766 Putrescine is involved in the v	ritamin D action in chick intestine. 1991 , 100, 113-22	19
Role of unsaturated derivative supporting growth of SV-3T3	es of spermidine as substrates for spermine synthase and in cells. 1991 , 274 (Pt 1), 167-71	12
The translation in vitro of rate in a polyamine-independent w	ornithine decarboxylase mRNA is blocked by its 5' untranslated region vay. 1991 , 274 (Pt 2), 521-6	33
Phosphorylation differences a 1763 Trypanosoma brucei brucei. 1 9	among proteins of bloodstream developmental stages of 991 , 275 (Pt 1), 7-14	38
Increased glucose oxidation a cells (RINm5F). 1991 , 277 (Pt	nd contents of insulin and ATP in polyamine-depleted rat insulinoma 2), 533-40	21
Identification of residues in or protein turnover. 1991 , 277 (rnithine decarboxylase essential for enzymic activity and for rapid Pt 3), 671-5	62
Role of polyamines in the tran 279 (Pt 3), 815-20	nsport in vitro of the precursor of ornithine transcarbamylase. 1991,	10
Glucocorticoids stimulate orn 1759 101, 1102-8	ithine decarboxylase gene expression in pancreatic AR42J cells. 1991 ,	11
Difluoromethylornithine (DFN 1991 , 21, 129-43	AO) arrests murine CTL development in the late, pre-effector stage.	11
Norspermidine inhibits LPS-in different from spermidine and	duced immunoglobulin production in an FCS-independent mechanism d spermine. 1991 , 13, 67-73	3
1756 Polyamine levels in healthy ar	nd tumor tissues of patients with colon adenocarcinoma. 1991 , 34, 167-73	11
Premature onset of mitosis ar plant cells: evidence for G2 re	nd potentiation of chromosome damage induced by poly-D-lysine in pair. 1991 , 247, 147-51	3
Protection from chlordecone- studies. 1991 , 108, 58-66	-amplified carbon tetrachloride toxicity by cyanidanol: regeneration	20
Inhibition of polyamine biosyr and D,L-alpha-difluoromethyl	nthesis in Crithidia fasciculata by D,L-alpha-difluoromethylornithine arginine. 1991 , 46, 35-43	15
Hepatic ornithine decarboxyla and some properties. 1991 , 99	ase from the frog, Rana negromaculata: dietary induction, purification 9, 151-6	1
Polylysine activates membran 1751 transducing protein. 1991 , 99	ne-bound adenylyl cyclase from Xenopus laevis oocytes through the Gs , 827-32	5

1750	Inhibition of diamine oxidase from porcine kidney by pentamidine and other aminoguanidine compounds. 1991 , 100, 543-6	3
1749	Aldehyde dehydrogenase (EC 1.2.1.3): comparison of subcellular localization of the third isozyme that dehydrogenates gamma-aminobutyraldehyde in rat, guinea pig and human liver. 1991 , 100, 321-7	6
1748	Purification of ornithine decarboxylase-inducing factor from cell-free ascites fluid of Ehrlich ascites tumor and its characteristics. 1991 , 82, 315-24	1
1747	Modulation of ornithine decarboxylase mRNA following transient ischemia in the gerbil brain. 1991 , 11, 979-85	42
1746	Successful treatment of lupus nephritis in MRL-lpr/lpr mice by inhibiting ornithine decarboxylase. 1991 , 39, 882-90	23
1745	Role of ornithine decarboxylase for proliferation of mesangial cells in culture. 1991 , 40, 684-90	19
1744	Mouse ornithine decarboxylase is phosphorylated by casein kinase-II at a predominant single location (serine 303). 1991 , 197, 419-24	18
1743	Adaptive response of ileal mucosa to malnutrition in the rat: role of polyamines. 1991 , 142, 387-95	3
1742	Evaluation of the antimicrobial activity of methylglyoxal bis(guanylhydrazone) analogues, the inhibitors for polyamine biosynthetic pathway. 1991 , 70, 291-3	4
1741	Simultaneous determination of Eminobutyric acid and polyamines by o-phthalaldehydemmercaptoethanol precolumn derivatization and gradient elution liquid chromatography with electrochemical detection. 1991 , 251, 101-107	13
1740	A novel suicide inhibitor strategy for antiparasitic drug development. 1991 , 45, 49-53	12
1739	Killer polyamines?. 1991 , 45, 54-8	43
1738	Implications and concepts of polyamine-nucleic acid interactions. 1991 , 46, 37-47	160
1737	A new perspective on ornithine decarboxylase regulation: prevention of polyamine toxicity is the overriding theme. 1991 , 46, 102-5	63
1736	Regulation of ornithine decarboxylase mRNA by phorbol esters and insulin in normal and C-kinase-deficient rat hepatoma cells. 1991 , 147, 256-64	16
1735	Stimulation of putrescine production by epidermal growth factor in rat liver after partial hepatectomy. 1991 , 14, 901-5	12
1734	Differential sensitivity of various human tumors to inhibition of polyamine biosynthesis in vivo. 1991 , 47, 44-8	9
1733	Ornithine decarboxylase activity and polyamine content in adenocarcinomas of human stomach and large intestine. 1991 , 47, 496-8	4 ⁰

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1732	Involvement of ornithine decarboxylase in the control of proliferation of the HT29 human colon cancer cell line. Effect of vasoactive intestinal peptide on enzyme activity. 1991 , 47, 633-8	37
1731	Effect on N1,N14-bis-(ethyl)-homospermine (BE-4-4-4) on the growth of U-251 MG and SF-188 human brain tumor cells. 1991 , 48, 873-8	14
1730	Putrescine and spermidine uptake is regulated by proliferation and dexamethasone treatment in AR4-2J cells. 1991 , 49, 577-81	7
1729	Antimutagenic activities of naturally occurring polyamines in Chinese hamster ovary cells in vitro. 1991 , 18, 207-11	13
1728	Temporal expression of ornithine decarboxylase in developing embryos of Musca domestica. 1991 , 16, 177-187	4
1727	Restoration of the DNA binding activity of estrogen receptor in MRL-lpr/lpr mice by a polyamine biosynthesis inhibitor. 1991 , 34, 55-62	8
1726	Early developmental profile of ornithine decarboxylase in the frog, Microhyla ornata and its regulation by polyamines. 1991 , 258, 158-63	1
1725	Variations in amplification and expression of the ornithine decarboxylase gene in human breast cancer cells. 1991 , 19, 257-67	17
1724	Molecular basis for cellular effects of naturally occurring polyamines. 1991 , 33, 84-7	18
1723	Synthesis of putrescine under possible primitive Earth conditions. 1991 , 21, 145-56	2
1722	Oxidation of putrescine and cadaverine derivatives by diamine oxidases. 1991 , 47, 507-518	14
1721	Rle des polyamines dans l'agression. 1991 , 5, 153-164	2
1720	Application of statistical design of experiments to the optimization of factor VIII expression by CHO cells. 1991 , 6, 233-40	21
1719	A study of polyamine complex formation with H+, Cu(II), Zn(II), Pb(II), and Mg(II) in aqueous solution. 1991 , 122, 131-138	35
1718	Effect of bis(benzyl)polyamine derivatives on polyamine transport and survival of Brugia pahangi. 1991 , 77, 612-5	8
1717	Modulation of insulin induced ornithine decarboxylase by putrescine and methylputrescines in H-35 hepatoma cells. 1991 , 100, 9-23	2
1716	Regulation of DNA synthesis and cell division by polyamines in Catharanthus roseus suspension cultures. 1991 , 10, 126-30	18
1715	PolyamineDNA nexus: structural ramifications and biological implications. 1991 , 100, 129-40	26

1714	Amelioration of thrombocytopenia with concomitant ornithine in sarcoma-bearing rats receiving high dose difluoromethylornithine. 1991 , 9, 321-6	2
1713	Single strand binding protein specific for the polyoma early-coding strand of PEA1 (AP1) regulatory sequence. 1991 , 19, 4279-87	12
1712	Effects of IP3, spermine, and Mg2+ on regulation of Ca2+ transport by endoplasmic reticulum and mitochondria in permeabilized pancreatic islets. 1991 , 40, 323-6	24
1711	Seminal polyamines as agents of cervical carcinoma: production of aneuploidy in squamous epithelium. 1991 , 44, 410-5	2
1710	Polyamines and the Cell Cycle of Catharanthus roseus Cells in Culture. 1991 , 96, 1008-13	36
1709	Biology of pancreatic cancer. 1991 , 32, 800-12	61
1708	Photoaffinity polyamines: sequence-specific interactions with DNA. 1991 , 19, 3701-8	17
1707	Condensation and precipitation of chromatin by multivalent cations. 1991 , 8, 847-65	10
1706	Cadaverine, an Essential Diamine for the Normal Root Development of Germinating Soybean (Glycine max) Seeds. 1991 , 97, 778-85	50
1705	Effects of 4-hydroxynonenal, a product of lipid peroxidation, on cell proliferation and ornithine decarboxylase activity. 1991 , 14, 81-9	43
1704	Regioselective Synthesis of (+) -S-2-Amino-5-iodoacetamidopentanoic and (+) -S-2-amino-6-iodoacetamidohexanoic Acids. 1991 , 21, 683-691	8
1703	Analysis of Polyamines and Their Acetylated Forms with 9-Fluorenylmethyl Chloroformate and Reversed Phase HPLC. 1991 , 14, 675-697	10
1702	High level expression in Escherichia coli of soluble, enzymatically active schistosomal hypoxanthine/guanine phosphoribosyltransferase and trypanosomal ornithine decarboxylase. 1991 , 88, 2500-4	81
1701	The effect of tumor burden on ornithine decarboxylase activity in mice. 1991 , 9, 415-9	3
1700	Polyamines, vascular smooth muscle, and deoxycorticosterone acetate-salt hypertension. 1991 , 18, 85-92	29
1699	Polyamine biosynthesis in arginine-starved and refed rats. 1991 , 372, 27-33	8
1698	Regulation of S-adenosylmethionine decarboxylase during the germination of sporangiospores of Mucor rouxii. 1991 , 137, 307-314	3
1697	Spermidine or spermine is essential for the aerobic growth of Saccharomyces cerevisiae. 1991 , 88, 5872-6	93

1696	Protein-DNA interactions in the cAMP responsive promoter region of the murine ornithine decarboxylase gene. 1991 , 19, 3921-7	34
1695	Ornithine decarboxylase gene of Neurospora crassa: isolation, sequence, and polyamine-mediated regulation of its mRNA. 1992 , 12, 347-59	52
1694	Multiple promoter elements govern expression of the human ornithine decarboxylase gene in colon carcinoma cells. 1992 , 20, 2581-90	21
1693	Characterization of DNA-directed RNA polymerases in isolated macronuclei of the ciliated protozoan Tetrahymena thermophila. Effects of purified ornithine decarboxylase and amine compounds. 1992 , 373, 5-11	2
1692	Dose, time and route dependency of the induction of rat hepatic ornithine decarboxylase by 12-tetradecanoylphorbol 13-acetate. 1992 , 15, 67-79	2
1691	Reversal of the abnormal development of T cell subpopulations in the thymus of autoimmune MRL-lpr/lpr mice by a polyamine biosynthesis inhibitor. 1992 , 13, 275-83	14
1690	Interactions between natural polyamines and tRNA: an 15N NMR analysis. 1992, 89, 9186-90	52
1689	Developmental regulation of CUP gene expression through DNA methylation in Mucor spp. 1992 , 174, 362-6	16
1688	Alteration of the kinetic properties of the epidermal growth factor receptor tyrosine kinase by basic proteins. 1992 , 281 (Pt 1), 107-14	30
1687	Natural polyamines stimulate G-proteins. 1992 , 282 (Pt 2), 545-50	89
1686	Effect of polyamine depletion on chromatin structure in U-87 MG human brain tumour cells. 1992 , 282 (Pt 3), 723-7	38
1685	Purification and characterization of polyamine oxidase from Ascaris suum. 1992 , 283 (Pt 1), 75-80	17
1684	Antizyme, a protein induced by polyamines, accelerates the degradation of ornithine decarboxylase in Chinese-hamster ovary-cell extracts. 1992 , 283 (Pt 3), 661-4	75
1683	The effect of mevalonic acid deprivation on enzymes of DNA replication in cells emerging from quiescence. 1992 , 288 (Pt 3), 883-9	7
1682	Estradiol is trophic for colon cancer in mice: effect on ornithine decarboxylase and c-myc messenger RNA. 1992 , 103, 1823-32	28
1681	Putrescine uptake and metabolism in isolated rat pancreatic acini. 1992 , 53, 8-16	4
1680	Polyamine cytochemistry: localization and possible functions of polyamines. 1992 , 138, 51-88	32
1679	Molecular genetics of superoxide dismutases in yeasts and related fungi. 1992 , 30, 251-319	135

1678	A proposed function for spermine and spermidine: protection of replicating DNA against damage by singlet oxygen. 1992 , 89, 11426-7	118
1677	Studies of the induction of ornithine decarboxylase activity in primary cultures of adult rat hepatocytes by the phorbol ester 12-O-tetradecanoyl-13-acetate and other substances. 1992 , 6, 589-96	1
1676	Excretion of putrescine by the putrescine-ornithine antiporter encoded by the potE gene of Escherichia coli. 1992 , 89, 4529-33	118
1675	Isolation of amine oxidase from bovine plasma by a two-step procedure. 1992 , 3, 362-7	14
1674	Adaptation of mammalian skeletal muscle fibers to chronic electrical stimulation. 1992 , 120, 115-202	370
1673	Site selective and quantitative CN bond cleavage of spermine on a cobalt complex. 1992, 1167-1168	6
1672	Ornithine decarboxylase as an enzyme target for therapy. 1992 , 54, 195-215	198
1671	Spermine down-regulates superoxide generation induced by fMet-Leu-Phe in electropermeabilized human neutrophils. 1992 , 182, 20-6	10
1670	Feedback repression of polyamine uptake into mammalian cells requires active protein synthesis. 1992 , 186, 81-8	40
1669	Chronic lithium treatment prevents the dexamethasone-induced increase of brain polyamine metabolizing enzymes. 1992 , 50, PL149-54	20
1668	Role of polyamines in regulation of uterine blood flow of ovariectomized rats. 1992 , 50, 1607-14	4
1667	Attenuation of murine acute lethal graft-versus-host disease by the administration of DL-alpha-difluoromethylornithine. 1992 , 65, 242-6	1
1666	Inhibition of polyamine synthesis impairs the secretion of atrial natriuretic peptide. 1992 , 37, 227-36	4
1665	Cloning and characterization of a rat gene encoding ornithine decarboxylase antizyme. 1992 , 113, 191-7	72
1664	Spermine regulates N-methyl-D-aspartate receptor desensitization. 1992 , 8, 343-52	103
1663	Polyamine plasma levels and liver regeneration following partial hepatic resection in man. 1992 , 16, 159-64	8
1662	Characteristics of putrescine uptake and subsequent GABA formation in primary cultured astrocytes from normal C57BL/6J and epileptic DBA/2J mouse brain cortices. 1992 , 48, 151-7	33
1661	1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced astrogliosis does not require activation of ornithine decarboxylase. 1992 , 148, 105-8	17

1660	Polyamines modulate multiple protein phosphorylation pathways in the insect prothoracic gland. 1992 , 83, 11-9		20
1659	Cell proliferation and carcinogenesis may share a common basis of permeable plasma membrane clusters. 1992 , 38, 208-14		2
1658	Hepatic ornithine decar?ylase activity during short-term starvation and refeeding in brook trout, Salvelinus fontinalis. <i>Aquaculture</i> , 1992 , 102, 105-113	-4	15
1657	Polyamine metabolism in enterocytes isolated from newborn pigs. 1992 , 1175, 21-6		41
1656	Abnormal accumulation and toxicity of polyamines in a difluoromethylornithine-resistant HTC cell variant. 1992 , 1136, 136-42		39
1655	Structural elements of ornithine decarboxylase required for intracellular degradation and polyamine-dependent regulation. 1992 , 12, 2178-85		86
1654	Transcriptional inhibition of the bacteriophage T7 early promoter region by oligonucleotide triple helix formation. 1992 , 189, 1674-80		6
1653	Structure of the human spermidine/spermine N1-acetyltransferase gene (exon/intron gene organization and localization to Xp22.1). 1992 , 187, 1493-502		41
1652	Selective binding to AT sequences in DNA by an acridine-linked peptide containing the SPKK motif. 1992 , 184, 930-7		12
1651	Developmental expression of ornithine and S-adenosylmethionine decarboxylases in mouse brain. 1992 , 184, 1114-8		2
1650	Molecular cloning of the mouse S-adenosylmethionine decarboxylase cDNA: specific protein binding to the conserved region of the mRNA 5'-untranslated region. 1992 , 189, 424-9		11
1649	Metabolism and functions of trypanothione in the Kinetoplastida. 1992 , 46, 695-729		643
1648	Proton potential-dependent polyamine transport by vacuolar membrane vesicles of Saccharomyces cerevisiae. 1992 , 1107, 126-30		21
1647	Inhibition of deoxyribonucleic acid synthesis by difluoromethylornithine. Role of polyamine metabolism in monocrotaline-induced pulmonary hypertension. 1992 , 44, 965-71		9
1646	Inhibition of mast cell secretion by oxidation products of natural polyamines. 1992 , 43, 2237-45		22
1645	Cadmium induction of renal and hepatic ornithine decarboxylase activity in the rat. Effects of sex hormones and involvement of the renin-angiotensin system. 1992 , 44, 721-6		5
1644	Polyamines in neurotrauma. Ubiquitous molecules in search of a function. 1992 , 44, 401-7		96
1643	Spermine facilitates the generation of long-term potentiation of evoked potential in the dentate gyrus of anesthetized rats. 1992 , 593, 57-62		27

1642	Neurotoxic effects of the intrastriatal injection of spermine and spermidine: lack of involvement of NMDA receptors. 1992 , 596, 183-8	23
1641	Induction of c-jun independent of PKC, pertussis toxin-sensitive G protein, and polyamines in quiescent SV40-transformed 3T3 T cells. 1992 , 203, 47-55	16
1640	Reduced tyrosine phosphorylation in polyamine-starved cells. 1992 , 202, 370-5	15
1639	Polyamines enhance calcium mobilization in fMet-Leu-Phe-stimulated phagocytes. 1992 , 304, 37-40	13
1638	Inhibitors of polyamine biosynthesis affect the expression of genes encoding cytoskeletal proteins. 1992 , 304, 198-200	32
1637	Regulation of gastric mucosal diamine oxidase activity by gastrin. 1992 , 307, 135-8	9
1636	Crystallization and oligomeric structure of rat liver arginase. 1992 , 224, 1175-7	27
1635	Increase of sensitivity to aminoglycoside antibiotics by polyamine-induced protein (oligopeptide-binding protein) in Escherichia coli. 1992 , 174, 4331-7	26
1634	Lithium increases DNA replication, polyamine content, and insulin secretion by rat pancreatic beta-cells. 1992 , 262, C391-5	24
1633	Neuroendocrine Peptide Hormone Regulation of Immunity1. 1992 , 52, 49-83	
1632	Pattern and concentration of free and acetylated polyamines in urine of cirrhotic patients. 1992 , 7, 52-58	5
1631	Effect of spermine on peptide-bond formation, catalyzed by ribosomal peptidyltransferase. 1992 , 115, 19-26	9
1630	Polyamines in liver and their influence on chromatin condensation after 17-beta estradiol	_
	treatment of Atlantic salmon. 1992 , 109, 17-24	7
1629		11
1629 1628	treatment of Atlantic salmon. 1992 , 109, 17-24	
	Transport of putrescine in the isolated rabbit intestine. 1992, 420, 329-35 Inhibition of ornithine decarboxylase and S-adenosylmethionine decarboxylase synthesis by	11
1628	Transport of putrescine in the isolated rabbit intestine. 1992, 420, 329-35 Inhibition of ornithine decarboxylase and S-adenosylmethionine decarboxylase synthesis by antisense oligodeoxynucleotides. 1992, 118, 191-5 Effect of exogenously applied polyamines on malathion toxicity in the toad Bufo arenarum Hensel.	11

1624	Regulation of ornithine decarboxylase gene expression, polyamine levels, and DNA synthetic rates by all-trans-retinoic acid in cultured human keratinocytes. 1992 , 98, 327-32	9
1623	Ornithine decarboxylase activity is critical for cell transformation. 1992 , 360, 355-8	567
1622	Enzymes and pathways of polyamine breakdown in microorganisms. 1992 , 8, 249-62	45
1621	Abscisic acid increases the content of free polyamines and delays mitotic activity induced by spermine in isolated embryonic axes of chick-pea seeds. 1992 , 85, 531-536	24
1620	Polyamine metabolism in nodules of Vigna mungo during senescence. 1992 , 31, 4087-4090	12
1619	Different superstructural features of the complexes between spermine and the light responsive elements of the two pea genes rbcS-3A and rbcS-3.6. Gel electrophoresis and circular dichroism studies. 1992 , 44, 99-112	8
1618	Monitoring of the uptake and metabolism of aminooxy analogues of polyamines in cultured cells by high-performance liquid chromatography. 1992 , 574, 17-21	104
1617	In vitro effect of glutathione on mitomycin-C in human lymphocytes. 1992 , 49, 395-401	
1616	Modulation of [3H]3-((+-)-2-carboxypiperazin-4-yl)propyl-1-phosphonic acid ([3H]CPP) binding by ligands acting at the glycine and the polyamine sites of the rat brain NMDA receptor complex. 1992 , 227, 83-8	11
1615	Poly-D-lysine in G2 potentiates chromosome damage induced by X-rays and mitomycin C in CHO cells. 1992 , 266, 99-103	3
1614	A comparative study of the potentiating effect of caffeine and poly-D-lysine on chromosome damage induced by X-rays in plant cells. 1992 , 266, 215-9	4
1613	Posttranslational regulation of spermidine/spermine N1-acetyltransferase with stress. 1992 , 1131, 41-6	8
1612	Differential mechanisms of induction of ornithine decarboxylase in rat intestine by L- and D-amino acids. 1992 , 1129, 195-8	7
1611	The presence of polyamines during embryonic development of arctic charr, Salvelinus alpinus. 1992 , 101, 153-157	
1610	Changes in polyamines during embryonic development of Atlantic salmon, Salmo salar. 1992 , 102, 97-101	3
1609	Effect of lysophospholipids, arachidonic acid and other fatty acids on regulation of Ca2+ transport in permeabilized pancreatic islets. 1992 , 13, 193-202	18
1608	Possible prebiotic significance of polyamines in the condensation, protection, encapsulation, and biological properties of DNA. 1991 , 21, 225-42	26
1607	Structures of bis(1,4,7-triazacyclononane)cadmium(II) diperchlorate, [Cd(tacn)2](ClO4)2 (1), and bis(1,4,7-triazacyclononane)cadmium(II) bis(tetraphenylborate) bis(dimethyl sulfoxide) solvate, [Cd(tacn)2](BPh4)2.2(CH3)2SO (2). 1992 , 48, 437-440	14

1606	Zum Einflußon Ameisensüre auf die Konzentrationen an Ammoniak und biogenen Aminen im Gastrointestinaltrakt. 1992 , 67, 198-205	15
1605	Interactions Between Acyclic and Cyclic Peralkylammonium Compounds and DNA. 1992 , 31, 1207-1208	38
1604	Superinduction of ornithine decarboxylase by halogenated ribofuranosylbenzimidazoles. 1992 , 24, 1475-80	
1603	The condensing action of Mg2+, hexamminecobalt3+ and spermidine3+ on chromatin with gene regions activated by 17-beta estradiol. 1992 , 24, 1711-6	2
1602	Modulation of ribonuclease P expression in Escherichia coli by polyamines. 1992 , 24, 1625-31	10
1601	Liver regeneration and the effect of exogenous putrescine on regenerative activity after partial hepatectomy in cirrhotic rats. 1992 , 16, 1428-33	31
1600	Vasoactive intestinal peptide and forskolin regulate proliferation of the HT29 human colon adenocarcinoma cell line. 1992 , 150, 501-9	29
1599	Effects of short-chain fatty acids on growth and differentiation of the human colon-cancer cell line HT29. 1992 , 52, 286-9	172
1598	Wechselwirkungen zwischen acyclischen und cyclischen Peralkylammoniumverbindungen und DNA. 1992 , 104, 1244-1246	10
1597	Synthesis of vinyl monomers, polymers and copolymers containing aminoalkyl residues designed for interaction with enzymes. 1993 , 29, 871-875	3
1596	Defined media optimization for growth of recombinant Escherichia coli X90. 1993 , 41, 221-30	53
1595	Recombinant trypsin production in high cell density fed-batch cultures in Escherichia coli. 1993 , 41, 781-90	88
1594	Tissue-specific changes in polyamine levels of neural tissue and fat body in adult crickets. 1993 , 24, 203-217	9
1593	Age and tissue-dependent changes of ornithine decarboxylase and s-adenosylmethionine decarboxylase activities in neural tissue and fat body of adult crickets. 1993 , 24, 219-228	12
1592	Differences in the post-translational modification of proteins by polyamines between weakly and highly metastatic B16 melanoma cells. 1993 , 53, 792-7	44
1591	Increase in Ornithine Decarboxylase Activity Caused by Hepatocyte Growth Factor in Primary Cultured Adult Rat Hepatocytes. 1993 , 17, 99-102	14
1590	C-alkylation of nitriles: a useful route to 2-ethoxyalkyl derivatives of cadaverine planned for enzyme study. 1993 , 49, 8423-8432	1
1589	A new enzyme-linked immunosorbent assay (ELISA) for studying immunocytochemical procedures using an antiserum produced against spermidine as a model. 1993 , 99, 477-83	15

1588	Endogenous protein-bound polyamines: correlation with regions of cell division in tobacco leaves, internodes and ovaries. 1993 , 12, 223-227	37
1587	Recent advances in the understanding of polyamine functions during plant development. 1993 , 12, 331-340	125
1586	Inhibition of Polyamine Synthesis Suppresses Growth and ERay-Induced Sublethal and Potentially Lethal Damage Recovery in Human Tumor Cells in Culture. 1993 , 1, 41-49	1
1585	Ornithine decarboxylase and malignant growth. 1993 , 115, 667-669	
1584	Zinc can influence ornithine decarboxylase activity in rat thymus cells. 1993 , 4, 53-61	2
1583	Equilibrium and spectral studies of putrescine complexes with copper(II). 1993 , 124, 109-115	15
1582	Diethylglyoxal bis(guanylhydrazone), a potent inhibitor of mammalian S-adenosylmethionine decarboxylase. Effects on cell proliferation and polyamine metabolism in L1210 leukemia cells. 1993 , 124, 141-7	16
1581	Comparison of seasonal growth and polyamine content in shoots of orchard-grown standard and genetic dwarf apple tress. 1993 , 89, 376-380	6
1580	Gene expression induced by spermine in isolated embryonic axes of chick-pea seeds. 1993 , 87, 381-388	11
1579	Control and function of lysyl-tRNA synthetases: diversity and co-ordination. 1993 , 10, 225-31	9
1578	Complexes of the polyamines spermine, spermidine and putrescine with alpha-lactalbumins. 1993 , 218, 303-9	6
1577	Human aldehyde dehydrogenase. cDNA cloning and primary structure of the enzyme that catalyzes dehydrogenation of 4-aminobutyraldehyde. 1993 , 218, 311-20	23
1576	Effects of polyamines on intracellular calcium and mechanical activity in smooth muscle of guinea-pig taenia coli. 1993 , 148, 37-43	27
1575	Effects of luminal stimuli on polyamine metabolism in the small intestine of the rat: the role of enteric nerves. 1993 , 149, 483-90	2
1574	Age-related changes in polyamine biosynthesis after fasting and refeeding. 1993 , 28, 565-72	15
1573	Characteristics of phospholipase C present in membranes of Xenopus laevis oocytes. Stimulation by phosphatidic acid. 1993 , 106, 895-900	7
1572	Active translocation of platelets into sinusoidal and Disse spaces in the liver in response to lipopolysaccharides, interleukin-1 and tumor necrosis factor. 1993 , 24, 1039-53	40
1571	Epidermal growth factor, polyamines, and prostaglandins in healing of stress-induced gastric lesions in rats. 1993 , 38, 276-83	41

1570	Polyamines, diamine oxidase, and ornithine decarboxylase activity in colorectal cancer and in normal surrounding mucosa. 1993 , 36, 662-7	25
1569	Treatment with a polyamine analog alters DNA-matrix association in HeLa cell nuclei: a nucleoid halo assay. 1993 , 32, 4073-6	16
1568	Effects of receptor agonists on polyamine concentrations and spermidine/spermine N1-acetyltransferase activity in rat parotid gland. 1993 , 49, 881-4	3
1567	Release of polyamines in cultures of rat parotid and liver cells. 1993 , 38, 44-7	25
1566	Subdiaphragmatic vagotomy abolishes increase in ornithine decarboxylase activity of rat duodenal mucosa after ischemia-reperfusion in superior mesenteric artery. 1993 , 28, 505-10	2
1565	Polyamine modulation of excitatory amino acid responses in the rat cortical wedge. 1993 , 32, 1025-35	7
1564	Stabilization of S-adenosylmethionine decarboxylase by aminoguanidine. 1993 , 45, 1174-6	11
1563	Aromatic diamidines are reversible inhibitors of porcine kidney diamine oxidase. 1993 , 45, 1355-7	8
1562	Effects of inhibitors of spermidine synthase and spermine synthase on polyamine synthesis in rat tissues. 1993 , 45, 1897-903	54
1561	Effect of N-(n-butyl)-1,3-diaminopropane on polyamine metabolism, cell growth and sensitivity to chloroethylating agents. 1993 , 46, 717-24	13
1560	Ornithine decarboxylase-like immunoreactivity in rat spinal motoneurons and motoric nerves. 1993 , 609, 149-53	16
1559	Spermine promotes the survival of primary cultured brain neurons. 1993 , 605, 322-6	27
1558	Free and Conjugated Polyamines during the Initiation of the Cell Cycle of G0-arrested Medicago varia Cell Cultures. 1993 , 142, 605-609	14
1557	Localized interaction of the polyamine methylspermidine with double-helical DNA as monitored by 1H NMR self-diffusion measurements. 1993 , 32, 961-7	15
1556	Is hypusine essential for eukaryotic cell proliferation?. 1993 , 18, 475-9	146
1555	Polyamine acetylation in rat liver following long-term ethanol ingestion. 1993 , 1156, 113-6	4
1554	Cellular transglutaminases in neural development. 1993 , 11, 709-20	47
1553	Ethanol-induced insulin resistance suppresses the expression of embryonic ornithine decarboxylase activity. 1993 , 10, 303-10	8

1552	Requirement of polyamines for in-vitro maturation of the mid-binucleate pollen of Nicotiana tabacum. 1993 , 142, 452-456	21
1551	Ecdysone deprivation affects polyamine metabolism in the house cricket Acheta domesticus. 1993 , 23, 165-170	13
1550	Effect of difluoromethylornithine on atrial natriuretic peptide in rat atria. 1993, 43, 157-67	2
1549	Effects of osmotic stress and growth stage on cellular pH and polyphosphate metabolism in Neurospora crassa as studied by 31P nuclear magnetic resonance spectroscopy. 1993 , 1179, 141-7	32
1548	Correlations between developmental ornithine decarboxylase gene expression and enzyme activity in the rat brain. 1993 , 71, 53-7	13
1547	Polyamines are essential for cell transformation by pp60v-src: delineation of molecular events relevant for the transformed phenotype. 1993 , 122, 903-14	63
1546	From bacterial nutrition to enzyme structure: a personal odyssey. <i>Annual Review of Biochemistry</i> , 1993 , 62, 1-27	19
1545	Oxygen toxicity in a polyamine-depleted spe2 delta mutant of Saccharomyces cerevisiae. 1993 , 90, 4693-7	48
1544	Structural specificity of polyamines in modulating the binding of estrogen receptor to potential Z-DNA forming sequences. 1993 , 13, 1115-33	16
1543	Persistence of the circadian variation and altered response to hepatectomy of hepatic ornithine decarboxylase activity with malignant tumor burden. 1993 , 11, 400-7	3
1542	Comparison of seasonal growth and polyamine content in shoots of orchard-grown standard and genetic dwarf apple trees. 1993 , 89, 376-380	11
1541	Transglutaminase in response to hypertonic NaCl-induced gastric mucosal injury in rats. 1993 , 104, 65-74	19
1540	Ischemia-induced disturbances of polyamine synthesis. 1993 , 96, 147-60	18
1539	Multiple regulation of ornithine decarboxylase in enzyme-overproducing cells. 1993 , 289 (Pt 2), 581-6	37
1538	Differential effects of spermine and its analogues on the structures of polynucleotides complexed with ethidium bromide. 1993 , 291 (Pt 1), 269-74	29
1537	Inhibition of calcium signalling in murine splenocytes by polyamines: differential effects on CD4 and CD8 T-cells. 1993 , 291 (Pt 2), 375-81	21
1536	Multiple active conformers of mouse ornithine decarboxylase. 1993 , 293 (Pt 1), 289-95	10
1535	Stress induction of the spermidine/spermine N1-acetyltransferase by a post-transcriptional mechanism in mammalian cells. 1993 , 294 (Pt 2), 491-5	17

1534	Transglutaminase-catalyzed incorporation of polyamines into phospholipase A2. 1993 , 113, 164-73	56
1533	Effects of Polyamines on the Ice-nucleating Activity of Erwinia uredovora KUIN-3. 1993 , 57, 1424-1428	3
1532	Identification, cloning, and nucleotide sequencing of the ornithine decarboxylase antizyme gene of Escherichia coli. 1993 , 90, 7129-33	52
1531	Effects of novel polyamines on cell-free polypeptide synthesis catalyzed by Thermus thermophilus HB8 extract. 1993 , 114, 478-86	35
1530	Identification of ornithine decarboxylase as a trait gene for growth in replicated mouse lines divergently selected for lean body mass. 1993 , 62, 31-7	8
1529	Role of polyamines in the regulation of proliferation and hormone production by insulin-secreting cells. 1993 , 264, C501-18	39
1528	Inhibitory effect of EGF on secretory response of rat parietal cells is associated with an induction of ODC. 1993 , 264, C1428-33	10
1527	Regulation of epidermal growth factor receptor kinase activity by polyions. 1994 , 115, 825-9	10
1526	Adenosine transport in cultured human umbilical vein endothelial cells is reduced in diabetes. 1994 , 267, C39-47	91
1525	Postnatal development of ornithine decarboxylase and polyamines in the mouse kidney: influence of testosterone. 1994 , 66, 119-27	16
1524	Translational control of eukaryotic gene expression. Role of the guanine nucleotide exchange factor and chain initiation factor-2. 1994 , 48, 61-80	2
1523	Polyamines increase Ca2+ sensitivity in permeabilized smooth muscle of guinea pig ileum. 1994 , 266, C1754-63	24
1522	Marker Determination for Response Monitoring: Radiotherapy and Disappearance Curves. 1994 , 9, 38-42	3
1521	Effects of ethylene and auxin on polyamine levels in suspension-cultured tobacco cells. 1994 , 90, 382-390	19
1520	The initial growth-rate of krebs-ii ascites cell tumors in mice is slowed down by the inclusion of phytohemagglutinin in the diet. 1994 , 5, 1105-7	
1519	Polyamines, DNA methylation, and fungal differentiation. 1994 , 20, 143-50	68
1518	Zinc inhibits UV radiation-induced apoptosis but fails to prevent subsequent cell death. 1994 , 66, 343-9	41
1517	Estrogen receptors and polyamine levels in human gastric carcinoma. 1994 , 29, 67-70	13

1516	Eflornithine treatment in SHR: potential role of vascular polyamines and ornithine decarboxylase in hypertension. 1994 , 16, 595-610	7
1515	Synthetic polyamines stimulate in vitro transcription by T7 RNA polymerase. 1994 , 22, 2784-90	47
1514	Distinct phenotypes generated by overexpression and suppression of S-adenosyl-L-methionine synthetase reveal developmental patterns of gene silencing in tobacco. 1994 , 6, 1401-14	174
1513	Ornithine decarboxylase is a mediator of c-Myc-induced apoptosis. 1994 , 14, 5741-7	233
1512	Regulation of ornithine decarboxylase in the kidney of autoimmune mice with the lpr gene. 1994 , 19, 253-64	8
1511	Spermine interacts with cocaine binding sites on dopamine transporters. 1994 , 114, 47-52	12
1510	An evaluation of polyamine immunocytochemistry using immunocytochemical model systems. 1994 , 101, 287-94	15
1509	Polyamines block Ca(2+)-activated K+ channels in pituitary tumor cells (GH3). 1994 , 140, 133-42	23
1508	Production and characterization of monoclonal antibodies against the polyamine, spermine: immunocytochemical localization in rat tissues. 1994 , 102, 397-404	22
1507	A comparison of RNA concentrations and ornithine decarboxylase activity in Atlantic salmon (Salmo salar) muscle tissue, with respect to specific growth rates and diel variations. 1994 , 13, 463-71	20
1506	Polyamine metabolism, floral initiation and floral development in Chrysanthemum (Chrysanthemum morifolium Ramat.). 1994 , 15, 23-31	21
1505	Characterisation of the S-adenosylmethionine decarboxylase (SAMDC) gene of potato. 1994 , 26, 327-38	60
1504	Synthesis of site-specific oligonucleotide-polyamine conjugates. 1994 , 4, 1733-1738	43
1503	Regulation of N-methyl-D-aspartate receptor-mediated calcium transport and norepinephrine release in rat hippocampus synaptosomes by polyamines. 1994 , 19, 1421-9	10
1502	Estradiol control of ornithine decarboxylase mRNA, enzyme activity, and polyamine levels in MCF-7 breast cancer cells: therapeutic implications. 1994 , 29, 189-201	36
1501	PET: brain tumor biochemistry. 1994 , 22, 275-9	16
1500	Elevated ornithine decarboxylase activity and polyamine levels during early development in the brine shrimp Artemia franciscana. 1994 , 270, 426-431	12
1499	Polyamine-dependent expression of the matrix metalloproteinase matrilysin in a human colon cancer-derived cell line. 1994 , 11, 138-44	26

1498	Tumor-derived components were responsible for suppression of ornithine decarboxylase activity in the rat wounded skin. 1994 , 55, 135-42	3
1497	Spectroscopic studies on complex formation and non-covalent interactions in ternary palladium(II) systems involving spermidine and 2,3-diaminoproprionate or 2,4-diaminobutyrate. 1994 , 219, 107-114	16
1496	Effects of spermine on formation of HGPRT- mutants induced by ethylmethanesulfonate, methylmethanesulfonate, and mitomycin C in V79 Chinese hamster cells. 1994 , 23, 294-8	7
1495	WI-38 cell long-term quiescence model system: a valuable tool to study molecular events that regulate growth. 1994 , 54, 405-14	25
1494	Consequences of aberrant ornithine decarboxylase regulation in rat hepatoma cells. 1994 , 158, 237-44	25
1493	Putrescine as a comitogen of epidermal growth factor in rat liver growth. 1994 , 20, 725-730	14
1492	DNA binding of a spermine derivative: spectroscopic study of anthracene-9-carbonyl-N1-spermine with poly[d(G-C).(d(G-C)] and poly[d(A-T).d(A-T)]. 1994 , 34, 1583-93	44
1491	Pharmacokinetic studies of alpha-difluoromethylornithine in rabbits using an enzyme-linked immunosorbent assay. 1994 , 12, 1249-57	11
1490	Antiproliferative effects of interferon gamma in combination with alpha-difluoromethylornithine on human carcinoma cell cultures. 1994 , 120, 700-6	3
1489	Interaction of protein kinase C and phosphoinositides: regulation by polyamines. 1994 , 6, 345-53	5
1488	Bimodal action of spermine on ribosomal peptidyltransferase at low concentration of magnesium ions. 1994 , 1208, 55-64	12
1487	Molecular cloning and sequencing of a human cDNA encoding ornithine decarboxylase antizyme. 1994 , 1209, 293-5	18
1486	Polyamine transport in human promyelocytic leukemia cells and polymorphonuclear leukocytes. 1994 , 18, 703-8	12
1485	Interactions between polyamines and nucleotides studied by31P and1H NMR. 1994 , 7, 89-94	1
1484	Blockade of ornithine decarboxylase enzyme protects against ischemic brain damage. 1994 , 14, 1040-5	47
1483	Intracellular action of spermine on neuronal Ca2+ and K+ currents. 1994 , 6, 412-9	35
1482	Effects of ethylene and auxin on polyamine levels in suspension-cultured tobacco cells. 1994 , 90, 382-390	20
1481	The involvement of polyamines in the activation of vitamin D receptor from porcine intestinal mucosa. 1994 , 219, 349-56	5

1480	Biochemical changes, early brain growth suppression and impaired detour learning in nicotine-treated chicks. 1994 , 83, 181-9		19
1479	Polyamines and their biosynthetic enzymes in dormant embryos of the spindle tree (Euonymus europaeus L.) and in dormancy break obtained after treatment with gibberellic acid. 1994 , 102, 139-145		15
1478	Effects of polyamines on in vitro phosphorylation of soluble and plasma membrane proteins in tobacco, cucumber and Arabidopsis thaliana. 1994 , 97, 109-118		16
1477	H-DNA and related structures. 1994 , 23, 541-76		223
1476	A liquid crystalline phase in spermidine-condensed DNA. 1994 , 67, 1387-92		85
1475	Biochemical parameters in the anterior pituitary during the course of tumorigenesis induced by diethylstilbestrol treatment. 1994 , 51, 183-9		6
1474	Polyamine-sensitive magnesium transport in Saccharomyces cerevisiae. 1994 , 1194, 289-95		27
1473	Characterization of putrescine and cadaverine export in mammalian cells. A pharmacological approach. 1994 , 48, 2237-49		16
1472	Heat enhancement of cytotoxicity induced by oxidation products of spermine in Chinese hamster ovary cells. 1994 , 48, 1181-6		31
1471	Effect of polyamines on glutamate dehydrogenase within permeabilized kidney-cortex mitochondria and isolated renal tubules of rabbit. 1994 , 47, 1387-93		5
1470	Cytotoxic activity of N1- and N8-aziridinyl analogs of spermidine. 1994 , 47, 1587-92		4
1469	Lithium exerts a time-dependent and tissue-selective attenuation of the dexamethasone-induced polyamine response in rat brain and liver. 1994 , 636, 187-92		7
1468	Spermine depresses NMDA, K/AMPA and GABAA-mediated synaptic transmission in the rat hippocampal slice preparation. 1994 , 647, 353-6		17
1467	Possible role of the transcription factor interferon regulatory factor 1 (IRF-1) in the regulation of ornithine decarboxylase (ODC) gene expression during IFN gamma macrophage activation. 1994 , 348, 177-80		6
1466	Effects of transient expression of spermidine/spermine N1-acetyltransferase in COS cells. 1994 , 355, 163-5		8
1465	Recovery from acute glucagon challenge in isolated rat hepatocytes: is protein dephosphorylation synchronous or asynchronous?. 1994 , 1224, 311-22		2
1464	Effect of sucrose monostearate, an emulsifier, on polyamine metabolism and phosphatidylinositol turnover in Ehrlich ascites tumor cells. 1994 , 1224, 413-7		2
1463	Muscle ornithine decarboxylase activity as an indication of recent growth in pre-smolt Atlantic salmon, Salmo salar. <i>Aquaculture</i> , 1994 , 121, 125-135	4.4	17

1462 Agmatine: an endogenous clonidine-displacing substance in the brain. 1994 , 263, 966-9	646
Positron emission tomography study of human prostatic adenocarcinoma using carbon-11 putrescine. 1994 , 21, 77-82	4
1460 Polyamines promote neurite elongation of cultured rat hippocampal neurons. 1994 , 19, 155-6	0 22
Asparagine markedly induces the expression of ornithine decarboxylase gene in transformed mammalian cells but not in their untransformed counterparts. 1994 , 86, 97-103	5
Polyamine-induced changes in the sedimentation profile and DNA binding of aryl hydrocarbon receptor. 1994 , 74, 35-49	1
Retardation of benzo[a]pyrene-induced epidermal tumor formation by the potent antioxidant 4b,5,9b,10-tetrahydroindeno[1,2-b]indole. 1994 , 86, 209-14	: 5
Modulation of the nicotinic acetylcholine receptor channels by spermine in Xenopus muscle ce culture. 1994 , 182, 99-103	ell 7
1455 Protective action of putrescine against rat liver injury. 1994 , 29, 166-71	17
1454 Formation of functional cross-species heterodimers of ornithine decarboxylase. 1994 , 33, 1360	62-7 75
Stimulation of the synthesis of histamine and putrescine in mice by a peptidoglycan of gram-positive bacteria. 1994 , 38, 209-15	9
Response of rat immature enterocytes to insulin: regulation by receptor binding and endolum polyamine uptake. 1994 , 106, 49-59	inal 25
Polyamine-induced Z-DNA conformation in plasmids containing (dA-dC)n.(dG-dT)n inserts and increased binding of lupus autoantibodies to the Z-DNA form of plasmids. 1994 , 298 (Pt 2), 48	
Inhibition of immediate-early-gene induction in renal mesangial cells by depletion of intracellupolyamines. 1994 , 298 Pt 3, 647-53	ılar 6
1449 Activation of rat brain ornithine decarboxylase by GTP. 1994 , 300 (Pt 2), 577-82	14
Effects of the S-adenosylmethionine decarboxylase inhibitor, 1448 5'-([(Z)-4-amino-2-butenyl]methylamino)-5'-deoxyadenosine, on cell growth and polyamine metabolism and transport in Chinese hamster ovary cell cultures. 1994 , 303 (Pt 1), 89-96	18
Spermidine deficiency increases +1 ribosomal frameshifting efficiency and inhibits Ty1 retrotransposition in Saccharomyces cerevisiae. 1994 , 91, 172-6	64
Antizyme protects against abnormal accumulation and toxicity of polyamines in ornithine decarboxylase-overproducing cells. 1994 , 91, 8930-4	137
1445 Influence of polyamines on growth and metabolism of Dunaliella primolecta. 1994 , 43, 129-13	6 4

Dynamics of pancreatic tyrosine kinase and phospholipase D activities in the course of cerulein-induced acute pancreatitis and during regeneration. 1995 , 10, 382-8	4
Ornithine decarboxylase- and ras-induced cell transformations: reversal by protein tyrosine kinase inhibitors and role of pp130CAS. 1995 , 15, 6513-25	79
Dissimilar effect of the carcinogenic agent azaserine on pancreatic and hepatic polyamine metabolism in rats. 1995 , 10, 44-52	1
Structural requirement for neurotrophic activity of spermine in cultured rat hippocampal neurons. 1995 , 67, 173-6	3
Acidic residues important for substrate binding and cofactor reactivity in eukaryotic ornithine decarboxylase identified by alanine scanning mutagenesis. 1995 , 270, 11797-802	68
Determination of urinary acetylpolyamines by a monoclonal antibody-based enzyme-linked immunosorbent assay (ELISA). 1995 , 118, 1211-5	9
The importance of dietary polyamines in cell regeneration and growth. 1995 , 73, 819-28	199
The impact of polyamine analogues on the blood pressure of normotensive and hypertensive rats. 1995 , 17, 1197-217	5
Determination of amounts of polyamines excreted in urine: demonstration of N1,N8-diacetylspermidine and N1,N12-diacetylspermine as components commonly occurring in normal human urine. 1995 , 117, 107-12	49
Regulation of the efflux of putrescine and cadaverine from rapidly growing cultured RAW 264 cells by extracellular putrescine. 1995 , 305 (Pt 1), 291-9	17
Post-transcriptional regulation of the content of spermidine/spermine N1-acetyltransferase by N1N12-bis(ethyl)spermine. 1995 , 305 (Pt 2), 451-8	53
Rapid and regulated degradation of ornithine decarboxylase. 1995 , 306 (Pt 1), 1-10	183
Differential transcription and expression of ornithine decarboxylase in embryos of replicated mouse lines divergently selected for lean body mass. 1995 , 308 (Pt 1), 161-6	2
Molecular cloning and characterization of ornithine decarboxylase cDNA of the nematode Panagrellus redivivus. 1995 , 308 (Pt 2), 635-40	9
Regulation of the induction of ornithine decarboxylase in keratinocytes by retinoids. 1995 , 309 (Pt 1), 159-65	7
Spermine induces haemoglobin synthesis in murine erythroleukaemia cells. 1995 , 309 (Pt 3), 781-6	5
The structure of polyamine analogues determines haemoglobin production and cytotoxicity in murine erythroleukaemia cells. 1995 , 309 (Pt 3), 787-91	6
Defective signal-transduction pathways in T-cells from autoimmune MRL-lpr/lpr mice are associated with increased polyamine concentrations. 1995 , 311 (Pt 1), 175-82	17
	Cerulein-induced acute pancreatitis and during regeneration. 1995, 10, 382-8 Ornithine decarboxylase- and ras-induced cell transformations: reversal by protein tyrosine kinase inhibitors and role of pp 130CAS. 1995, 15, 6513-25 Dissimilar effect of the carcinogenic agent azaserine on pancreatic and hepatic polyamine metabolism in rats. 1995, 10, 44-52 Structural requirement for neurotrophic activity of spermine in cultured rat hippocampal neurons. 1995, 67, 173-6 Acidic residues important for substrate binding and cofactor reactivity in eukaryotic ornithine decarboxylase identified by alanine scanning mutagenesis. 1995, 270, 11797-802 Determination of urinary acetylpolyamines by a monoclonal antibody-based enzyme-linked immunosorbent assay (ELISA). 1995, 118, 1211-5 The importance of dietary polyamines in cell regeneration and growth. 1995, 73, 819-28 The impact of polyamine analogues on the blood pressure of normotensive and hypertensive rats. 1995, 17, 1197-217 Determination of amounts of polyamines excreted in urine: demonstration of N1,N8-diacetylspermidine and N1,N12-diacetylspermine as components commonly occurring in normal human urine. 1995, 117, 107-12 Regulation of the efflux of putrescine and cadaverine from rapidly growing cultured RAW 264 cells by extracellular putrescine. 1995, 305 (Pt 1), 291-9 Post-transcriptional regulation of the content of spermidine/spermine N1-acetyltransferase by N1N12-bis(ethyl)spermine. 1995, 305 (Pt 2), 451-8 Rapid and regulated degradation of ornithine decarboxylase. 1995, 306 (Pt 1), 1-10 Differential transcription and expression of ornithine decarboxylase in embryos of replicated mouse lines divergently selected for lean body mass. 1995, 308 (Pt 1), 161-6 Molecular cloning and characterization of ornithine decarboxylase in keratinocytes by retinoids. 1995, 309 (Pt 3), 781-6 Spermine induces haemoglobin synthesis in murine erythroleukaemia cells. 1995, 309 (Pt 3), 787-91 Defective signal-transduction pathways in T-cells from autoimmune MRL-lpr/lpr mice

1426	Cloning and expression of two ornithine decarboxylase forms from HMOA cells. 1995 , 312 (Pt 1), 13-6	3
1425	A new model for disruption of the ornithine decarboxylase gene, SPE1, in Saccharomyces cerevisiae exhibits growth arrest and genetic instability at the MAT locus. 1995 , 312 (Pt 1), 83-90	29
1424	Urea synthesis in enterocytes of developing pigs. 1995 , 312 (Pt 3), 717-23	105
1423	Antagonistic effect of N-(3-Aminopropyl)cyclohexylamine on neurotrophic action of spermine in primary cultured rat hippocampal and cerebellar neurons. 1995 , 69, 311-5	3
1422	Some aspects of the pathophysiology of semicarbazide-sensitive amine oxidase enzymes. 1995 , 106, 305-21	33
1421	Putrescine level in blood from the rat portal vein is influenced by inhibition of diamine oxidase. 1995 , 153, 395-6	3
1420	Differential actions of exogenous and intracellular spermine on contractile activity in smooth muscle of rat portal vein. 1995 , 154, 355-65	13
1419	cDNAs for S-Adenosyl-L-Methionine Decarboxylase from Catharanthus Roseus, Heterologous Expression, Identification of the Proenzyme-Processing Site, Evidence for the Presence of Both Subunits in the Active Enzyme, and a Conserved Region in the 5' mRNA Leader. 1995 , 228, 74-78	
1418	Interaction of Polyamines with the Ca2+-binding Protein Parvalbumin. 1995 , 230, 498-502	
1417	Tumor markers in serum, polyamines and modified nucleosides in urine, and cytogenetic aberrations in lymphocytes of workers exposed to polycyclic aromatic hydrocarbons. 1995 , 27, 523-43	53
1416	Characterization of novel phorbol ester- and serum-responsive sequences of the rat ornithine decarboxylase gene promoter. 1995 , 14, 240-50	16
1415	DNA condensation by cobalt hexaammine (III) in alcohol-water mixtures: dielectric constant and other solvent effects. 1995 , 36, 345-64	195
1414	Hypergastrinemia in rats with azoxymethane-induced colon cancers. 1995 , 61, 223-6	11
1413	Comodulation of cellular polyamines and proliferation: biomarker application to colorectal mucosa. 1995 , 57, 256-61	28
1412	DNA methylation is not involved in the structural alterations of ornithine decarboxylase or total chromatin of c-Ha-rasVal 12 oncogene-transformed NIH-3T3 fibroblasts. 1995 , 57, 670-9	3
1411	Development of difluoromethylornithine as a chemoprevention agent for the management of colon cancer. 1995 , 22, 126-31	29
1410	Regulation of human ornithine decarboxylase expression following prolonged quiescence: role for the c-Myc/Max protein complex. 1995 , 162, 234-45	13
1409	Phenotypic features of breast cancer cells overexpressing ornithine-decarboxylase. 1995 , 163, 129-36	19

1408	Ornithine decarboxylase activity is associated with proliferation but not with T3-induced differentiation of Caco-2 cells. 1995 , 165, 639-46	4
1407	Slowing proliferation in head and neck tumors: in vitro growth inhibitory effects of the polyamine analog BE-4-4-4 in human squamous cell carcinomas. 1995 , 32, 687-94	5
1406	Epidermal growth factor enhances repair of rat intestinal mucosa damaged by oral administration of methotrexate. 1995 , 30, 169-76	39
1405	Low density lipoprotein receptors and polyamine levels in human colorectal adenocarcinoma. 1995 , 30, 705-9	7
1404	Crystal and molecular structure of aqua spermine copper (II) sulphate trihydrate studied by X-ray and IR spectroscopy. 1995 , 25, 19-23	8
1403	Monoclonal antibody against the glutaraldehyde-conjugated polyamine, spermine. 1995 , 104, 309-16	34
1402	Polyamines in brain tumor therapy. 1995 , 25, 167-79	16
1401	Protective effect of spermine on DNA exposed to oxidative stress. 1995 , 144, 125-9	22
1400	Increased transcript levels of a methionine synthase during adhesion-induced activation of Chlamydomonas reinhardtii gametes. 1995 , 29, 1235-52	23
1399	Effect of heat stress on polyamine content and protein pattern in Skeletonema costatum. 1995 , 121, 549-554	12
1398	In vitro propagation of taro, with spermine, arginine and ornithine: II. Plantlet regeneration via callus. 1995 , 14, 520-4	6
1397	Effects of polyamines on voltage-activated calcium channels in guinea-pig intestinal smooth muscle. 1995 , 430, 501-7	36
1396	Salmonella typhimurium and Salmonella enteritidis induce gut growth and increase the polyamine content of the rat small intestine in vivo. 1995 , 12, 251-8	15
1395	Synthesis and DNA binding properties of C3-, C12-, and C24-substituted amino-steroids derived from bile acids. 1995 , 3, 823-38	26
1394	Determination of biogenic amines and their precursor amino acids in wines of the Valle du Rhee by high-performance liquid chromatography with precolumn derivatization and fluorimetric detection. 1995 , 707, 373-379	88
1393	Pancreatic growth after distal small bowel resection is altered with aging. 1995 , 18, 63-68	1
1392	Aging. Increased responsiveness of colorectal mucosa to carcinogen stimulation and protective role of folic acid. 1995 , 40, 396-401	24
1391	Urinary N1-acetylspermidine and N8-acetylspermidine excretion in normal humans and in patients with colorectal cancer. 1995 , 40, 1269-74	7

1390	Effects of juvenile hormone on polyamines of the fat body and neural tissue of the cricket Acheta domesticus. 1995 , 111, 241-250	12
1389	c-Myc and apoptosis. 1995 , 1242, 11-28	95
1388	Regulation of mammalian S-adenosylmethionine decarboxylase as studied in a transient expression system. 1995 , 1260, 21-6	3
1387	Effect of polyphosphates on the activity of amine oxidases. 1995 , 1247, 246-52	5
1386	Nitric oxide synthase activity is inducible in rat, but not rabbit alveolar macrophages, with a concomitant reduction in arginase activity. 1995 , 351, 651-9	40
1385	Polyamines promote regeneration of injured axons of cultured rat hippocampal neurons. 1995 , 673, 233-41	27
1384	Signaling pathways regulating ornithine decarboxylase activity in the embryonic chicken. 1995 , 67, 441-9	4
1383	A spinach cDNA with homology to S-Adenosylmethionine decarboxylase. 1995 , 107, 1461-2	22
1382	Transcriptional activation by Myc is under negative control by the transcription factor AP-2 1995 , 14, 1508-1519	153
1381	Role of charge in the radioprotection of E. coli by thiols. 1995 , 67, 393-401	21
1380	Cardiovascular responses to agmatine, a clonidine-displacing substance, in anesthetized rat. 1995 , 17, 115-28	51
1379	Comparison of cholecystokinin, pentagastrin, and duodenal oleate in gastroprotection in rats. 1995 , 30, 620-30	26
1378	Polyamines alter sequence-specific DNA-protein interactions. 1995 , 23, 1800-9	100
1377	Hormonal and Feedback Regulation of Putrescine and Spermidine Transport in Human Breast Cancer Cells. 1995 , 270, 1685-1694	19
1376	Spermidine-preferential uptake system in Escherichia coli. ATP hydrolysis by PotA protein and its association with membrane. 1995 , 270, 25377-82	33
1375	Regulation of rat ornithine decarboxylase promoter activity by binding of transcription factor Sp1. 1995 , 270, 4341-8	50
1374	Rat antizyme inhibits the activity but does not promote the degradation of mouse ornithine decarboxylase in Trypanosoma brucei. 1995 , 270, 10264-71	16
1373	Glutathionylspermidine metabolism in Escherichia coli. Purification, cloning, overproduction, and characterization of a bifunctional glutathionylspermidine synthetase/amidase. 1995 , 270, 14031-41	70

1372	Decrease in cell viability due to the accumulation of spermidine in spermidine acetyltransferase-deficient mutant of Escherichia coli. 1995 , 270, 18831-5	62
1371	Purification of deoxyhypusine synthase from Neurospora crassa to homogeneity by substrate elution affinity chromatography. 1995 , 270, 383-6	27
1370	Specific depletion of spermidine and spermine in HTC cells treated with inhibitors of aminopropyltransferases. 1995 , 117, 339-45	21
1369	Section Review: Retinoids: Biological Function and Use in the Treatment of Dermatological Diseases: Pulmonary-Allergy, Dermatological, Gastrointestinal & Arthritis. 1995 , 4, 593-612	42
1368	Base-pair opening and spermine bindingB-DNA features displayed in the crystal structure of a gal operon fragment: implications for protein-DNA recognition. 1995 , 23, 2065-73	49
1367	Polyamines found in gingival fluid inhibit chemotaxis by human polymorphonuclear leukocytes in vitro. 1995 , 66, 274-8	12
1366	Histamine effect on ornithine decarboxylase of rat intestine in cases of ischemia-reperfusion compared with refeeding. 1995 , 209, 27-31	3
1365	Suppression of c-myc oncogene expression by a polyamine-complexed triplex forming oligonucleotide in MCF-7 breast cancer cells. 1995 , 23, 3594-9	57
1364	Polyamine effects on purine-purine-pyrimidine triple helix formation by phosphodiester and phosphorothioate oligodeoxyribonucleotides. 1995 , 23, 2320-7	43
1363	Cloning and sequencing of an intronless mouse S-adenosylmethionine decarboxylase gene coding for a functional enzyme strongly expressed in the liver. 1995 , 270, 5642-8	21
1362	Oxidation of Acetylpolyamines by Maize Polyamine Oxidase. 1995 , 129, 946-946	
1361	Osmotic effectors and DNA structure: effect of glycine on precipitation of DNA by multivalent cations. 1995 , 13, 87-102	25
1360	Leishmania donovani: cellular control of ornithine decarboxylase in promastigotes. 1995 , 27, 947-52	11
1359	Dual effect of spermine on acrosomal exocytosis in capacitated bovine spermatozoa. 1995 , 1266, 196-200	7
1358	Ornithine decarboxylase: an indicator for growth of NIH 3T3 fibroblasts and their c-Ha-ras transformants. 1995 , 1267, 107-14	10
1357	Metabolism of L-arginine through polyamine and nitric oxide synthase pathways in proliferative or differentiated human colon carcinoma cells. 1995 , 1268, 255-62	34
1356	Transgenic animals as models in the study of the neurobiological role of polyamines. 1995 , 47, 545-63	44
1355	Switching between control and phytohaemagglutinin-containing diets affects growth of Krebs II ascites cells and produces differences in the levels of putrescine, spermidine and spermine. 1995 , 93, 233-7	11

1354	In vivo pharmacological study of spermine-induced neurotoxicity. 1995 , 196, 81-4	23
1353	The expression of ornithine decarboxylase antizyme mRNA and protein in rat motoneurons. 1995 , 197, 187-90	5
1352	Changes in polyamine levels in response to acclimation salinity in gills of the blue crab Callinectes sapidus rathbun. 1995 , 110, 115-119	28
1351	Increased expression and activity of ornithine decarboxylase in chicks genetically selected for rapid growth rate. 1995 , 110, 531-7	6
1350	Polyamines in cow's and sow's milk. 1995 , 111, 427-33	40
1349	Hypothesis: spermine may be an important epidermal antioxidant. 1995 , 45, 59-67	34
1348	Polyamine involvement in the cell cycle, apoptosis, and autoimmunity. 1995 , 44, 331-8	21
1347	Autoregulatory frameshifting in decoding mammalian ornithine decarboxylase antizyme. 1995 , 80, 51-60	426
1346	Extracellular and intracellular effects of polyamines on smooth muscle contractions. 1995 , 57, 855-61	15
1345	Agmatine treatment is neuroprotective in rodent brain injury models. 1996 , 58, PL 41-6	67
1344	Selective inhibition of cytosine-DNA methylases by polyamines. 1995 , 357, 192-6	16
1343	Diaminoalkanes with an odd number of carbon atoms induce compaction of a single double-stranded DNA chain. 1995 , 361, 277-81	53
1342	Regulation of the human spermidine synthase mRNA translation by its 5'-untranslated region. 1995 , 365, 61-5	7
1341	Polyamines and their metabolizing enzymes in human frontal cortex and hippocampus: preliminary measurements in affective disorders. 1995 , 38, 227-34	35
1340	Polyamines as endogenous modulators of the N-methyl-D-aspartate receptor. 1995 , 757, 430-6	8
1339	Diamine-oxidase activity and tissue di- and poly-amine contents of human ovarian, cervical and endometrial carcinoma. 1995 , 89, 23-8	22
1338	Metabolism of agmatine (clonidine-displacing substance) by diamine oxidase and the possible implications for studies of imidazoline receptors. 1995 , 106, 187-97	37
1337	Triplex DNA structures. <i>Annual Review of Biochemistry</i> , 1995 , 64, 65-95	657

1336	Stimulating effect of spermine on bulblet formation in bulb-scale segments of Lilium longiflorum. 1995 , 15, 297-300	15
1335	Agmatine, the bacterial amine, is widely distributed in mammalian tissues. 1995 , 56, 2319-30	204
1334	Polyamines in food and their consequences for food quality and human health. 1995 , 6, 341-346	271
1333	Studies on the Correlation of Putrescine and Potassium Contents in the Needles of Spruce Trees. 1995 , 147, 267-269	2
1332	Agmatine is synthesized by a mitochondrial arginine decarboxylase in rat brain. 1995, 763, 325-9	58
1331	Polyamine-mediated conformational perturbations in DNA alter the binding of estrogen receptor to poly(dG-m5dC).poly(dG-m5dC) and a plasmid containing the estrogen response element. 1995 , 54, 89-99	42
1330	Localization of ornithine decarboxylase (ODC) in the cochlea of the immature rat. 1995, 84, 99-111	5
1329	An antibody to agmatine localizes the amine in bovine adrenal chromaffin cells. 1995 , 183, 17-21	25
1328	Terminal Alkylation of Linear Polyamines. 1996 , 61, 3221-3222	30
1327	DNA mesophases induced by spermidine: structural properties and biological implications. 1996 , 71, 48-63	145
1326	Interactions of spermidine and methylspermidine with DNA studied by nuclear magnetic resonance self-diffusion measurements. 1996 , 70, 2847-56	10
1325	Asymmetric Synthesis and DNA Intercalation of (-)-6-[[(Aminoalkyl)oxy]methyl]-4-demethoxy-6,7-dideoxydaunomycinones(1)(,). 1996 , 61, 6958-6970	11
1324	Sequence-dependent effects of spermine on the thermodynamics of the B-DNA to Z-DNA transition. 1996 , 35, 15373-82	20
1323	Free Polyamine Contents and Decarboxylase Activities during Tomato Development and Ripening. 1996 , 44, 2608-2611	13
1322	Agmatine, an endogenous modulator of noradrenergic neurotransmission in the rat tail artery. 1996 , 119, 677-84	37
1321	Dietary phytohaemagglutinin slows down the proliferation of a mouse plasmacytoma (MPC-11) tumour in Balb/c mice. 1996 , 103, 151-5	13
1320	Effects of inhibitors of deoxyhypusine synthase on the differentiation of mouse neuroblastoma and erythroleukemia cells. 1996 , 105, 233-9	51
1319	Arginine and ornithine decarboxylation in rodent brain: coincidental changes during development and after ischemia. 1996 , 216, 33-6	42

1318	Complexation of spermine and spermidine by myo-inositol 1,4,5-tris(phosphate) and related compounds: biological significance. 1996 , 1289, 404-10	7
1317	Comparative properties of arginases. 1996 , 114, 107-32	442
1316	Effect of three novel polyamine oxa-analogues (MTR-OSPD, DIP-SPN and APPO-TFA) on the growth and proliferation of Swiss 3T3 cells. 1996 , 28, 697-704	8
1315	Inhibition of cell growth by accumulated spermine is associated with a transient alteration of cell cycle progression. 1996 , 58, 2065-72	13
1314	Polyamine deprivation provokes an antalgic effect. 1996 , 58, 2209-15	18
1313	Modulation of opioid analgesia by agmatine. 1996 , 296, 17-22	114
1312	First report of the inhibition of arbuscular mycorrhizal infection of Pisum sativum by specific and irreversible inhibition of polyamine biosynthesis or by gibberellic acid treatment. 1996 , 385, 189-92	78
1311	Evidence for bidirectional histamine transport by murine hematopoietic progenitor cells. 1996 , 391, 279-81	9
1310	Spermidine regulation of protein synthesis at the level of initiation complex formation of Met-tRNAi, mRNA and ribosomes. 1996 , 223, 544-8	21
1309	Influence of sepsis and endotoxemia on polyamine metabolism in mucosa of small intestine in rats. 1996 , 45, 28-33	7
1308	1-N-acetylspermidine in roots of maize seedlings. 1996 , 121, 143-149	6
1307	Comparison of influence of 2-oxoglutarate and glutamate on arginase activities in liver and kidney-cortex of rabbit, Oryctolagus cuniculus. 1996 , 115, 393-398	7
1306	Pyrroline-5-carboxylate reductase in lactating bovine mammary glands. 1996 , 79, 1361-8	7
1305	Decreased tyrosine transport in fibroblasts from schizophrenics: implications for membrane pathology. 1996 , 55, 59-64	15
1304	Large discrete transition in a single DNA molecule appears continuous in the ensemble. 1996 , 76, 3029-3031	275
1303	Polyamines in growth and dimorphism of Paracoccidioides brasiliensis. 1996 , 166, 411-3	9
1302	Purification and Partial Characterization of Arginine Decarboxylase from Brassica campestris. 1996 , 5, 123-126	3
1301	Cellular and Molecular Actions of Juvenile Hormone. II. Roles of Juvenile Hormone in Adult Insects. 1996 , 1-155	355

1300	Effect of difluoromethylornithine treatment on regional ornithine decarboxylase activity and edema formation after experimental brain injury. 1996 , 13, 85-92	27
1299	Spermidine-condensed DNA and cone-shaped lipids improve delivery and expression of exogenous DNA transfer by liposomes. 1996 , 74, 633-43	34
1298	Effects of a single dose of orally-administered spermine on the intestinal development of unweaned rats. 1996 , 104, 163-72	17
1297	Relationship between adipose polyamine concentrations and triacylglycerol synthetic enzymes in lean and obese Zucker rats. 1996 , 49, 222-30	12
1296	Antifungal agents: chemotherapeutic targets and immunologic strategies. 1996 , 40, 279-91	400
1295	Depletion of intracellular polyamines relieves inward rectification of potassium channels. 1996 , 93, 12014-9	64
1294	Polyamine content of Pneumocystis carinii and response to the ornithine decarboxylase inhibitor DL-alpha-difluoromethylornithine. 1996 , 40, 973-8	21
1293	Sensitivity of polyamine-deficient Saccharomyces cerevisiae to elevated temperatures. 1996 , 178, 2721-4	16
1292	Aromatic amino acid transamination and methionine recycling in trypanosomatids. 1996 , 93, 4126-30	33
1291	Regional activity of ornithine decarboxylase and edema formation after traumatic brain injury. 1996 , 38, 140-5	34
1290	Myc oncogenes: the enigmatic family. 1996 , 314 (Pt 3), 713-21	145
1289	Regulation of a high-affinity diamine transport system in Trypanosoma cruzi epimastigotes. 1996 , 316 (Pt 2), 481-6	64
1288	Molecular cloning and functional identification of a plant ornithine decarboxylase cDNA. 1996 , 314 (Pt 1), 241-8	116
1287	Depletion of resistance vessel polyamines attenuates angiotensin II induced blood pressure rise in rats. 1996 , 18, 811-30	5
1286	Acetylpolyamine amidohydrolase from Mycoplana ramosa: gene cloning and characterization of the metal-substituted enzyme. 1996 , 178, 5781-6	37
1285	c-Myc in the control of cell proliferation and embryonic development. 1996 , 70, 95-144	47
1284	Differential transcription of the human spermidine/spermine N1-acetyltransferase (SSAT) gene in human lung carcinoma cells. 1996 , 313 (Pt 2), 691-6	52
1283	Molecular cloning and functional expression of human deoxyhypusine synthase cDNA based on expressed sequence tag information. 1996 , 315 (Pt 2), 429-34	21

1282	S-adenosylmethionine decarboxylase gene expression in rat hepatoma cells: regulation by insulin and by inhibition of protein synthesis. 1996 , 316 (Pt 1), 273-7	10
1281	Characterization of cell-specific modulatory element in the murine ornithine decarboxylase promoter. 1996 , 316 (Pt 3), 993-8	23
1280	Flux control exerted by overt carnitine palmitoyltransferase over palmitoyl-CoA oxidation and ketogenesis is lower in suckling than in adult rats. 1996 , 319 (Pt 2), 427-33	11
1279	Expression of the human spermidine/spermine N1-acetyltransferase in spermidine acetylation-deficient Escherichia coli. 1996 , 319 (Pt 2), 435-40	14
1278	Structural specificity effects of trivalent polyamine analogues on the stabilization and conformational plasticity of triplex DNA. 1996 , 319 (Pt 2), 591-9	29
1277	A novel trans-spliced mRNA from Onchocerca volvulus encodes a functional S-adenosylmethionine decarboxylase. 1996 , 320 (Pt 2), 519-30	17
1276	Changes in composition and polyamine content in the gastrointestinal tract due to pathogenic infection. 1996 , 24, 263S	
1275	Interleukin-2 induces gamma-S-adenosyl-L-methionine synthetase gene expression during T-lymphocyte activation. 1996 , 319 (Pt 3), 929-33	28
1274	2,2'-Dithiobis(N-ethyl-spermine-5-carboxamide) is a high affinity, membrane-impermeant antagonist of the mammalian polyamine transport system. 1996 , 271, 27556-63	21
1273	Pancreatic growth after distal small bowel resection is altered with aging. 1996 , 19, 7-12	
1272	Identification of N-acetylspermidine in Leishmania amazonensis. 1996 , 75, 261-4	5
1272 1271	Identification of N-acetylspermidine in Leishmania amazonensis. 1996 , 75, 261-4 Maternal and zygotic expression of mRNA for S-adenosylmethionine decarboxylase and its relevance to the unique polyamine composition in Xenopus oocytes and embryos. 1996 , 1308, 31-40	5 17
,	Maternal and zygotic expression of mRNA for S-adenosylmethionine decarboxylase and its	
1271	Maternal and zygotic expression of mRNA for S-adenosylmethionine decarboxylase and its relevance to the unique polyamine composition in Xenopus oocytes and embryos. 1996 , 1308, 31-40 Spermine prevent iron accumulation and depress lipofuscin accumulation in cultured myocardial	17
1271 1270	Maternal and zygotic expression of mRNA for S-adenosylmethionine decarboxylase and its relevance to the unique polyamine composition in Xenopus oocytes and embryos. 1996 , 1308, 31-40 Spermine prevent iron accumulation and depress lipofuscin accumulation in cultured myocardial cells. 1996 , 21, 375-81	17 17
1271 1270 1269	Maternal and zygotic expression of mRNA for S-adenosylmethionine decarboxylase and its relevance to the unique polyamine composition in Xenopus oocytes and embryos. 1996, 1308, 31-40 Spermine prevent iron accumulation and depress lipofuscin accumulation in cultured myocardial cells. 1996, 21, 375-81 Immunocytochemical localization of polyamines in the tiger salamander retina. 1996, 713, 278-85	17 17 12
1271 1270 1269	Maternal and zygotic expression of mRNA for S-adenosylmethionine decarboxylase and its relevance to the unique polyamine composition in Xenopus oocytes and embryos. 1996, 1308, 31-40 Spermine prevent iron accumulation and depress lipofuscin accumulation in cultured myocardial cells. 1996, 21, 375-81 Immunocytochemical localization of polyamines in the tiger salamander retina. 1996, 713, 278-85 NEHydroxyamino-tamino acids as a new class of very strong inhibitors of arginases. 1996, 1, 73-82	17 17 12 44

1204	Rat S-adenosylmethionine decarboxylase gene family: intronic genes are alleles. 1996 , 7, 776-9	7
1263	In situ heterogeneity of peroxisomal oxidase activities: an update. 1996 , 28, 401-29	26
1262	Altered polyamine biosynthesis with aging after massive proximal small bowel resection in rat. 1996 , 31, 338-46	10
1261	Immunocytochemical localization of polyamines in the gastrointestinal tracts of rats and mice. 1996 , 106, 465-71	24
1260	Influence of iron deficiency and lead treatment on behavior and cerebellar and hippocampal polyamine levels in neonatal rats. 1996 , 21, 915-22	17
1259	Spermine partially normalizes in vivo antioxidant defense potential in certain brain regions in transiently hypoperfused rat brain. 1996 , 21, 1497-503	20
1258	Procyclic Trypanosoma brucei cell lines deficient in ornithine decarboxylase activity. 1996 , 78, 227-36	38
1257	Cultured skin fibroblasts as a cell model for investigating schizophrenia. 1996 , 30, 421-39	27
1256	Ornithine decarboxylase antizyme: a novel type of regulatory protein. 1996 , 21, 27-30	211
1255	Synthese der p-Cumaroylspermidine. 1996 , 79, 548-559	31
1254	Hypoosmotic stimulation of ornithine decarboxylase activity in the brine shrimp Artemia franciscana. 1996 , 274, 15-22	24
1253		
	Crystallization of a mammalian ornithine decarboxylase. 1996 , 24, 266-8	3
1252	Crystallization of a mammalian ornithine decarboxylase. 1996, 24, 266-8 Crystallization and preliminary X-ray studies of ornithine decarboxylase from Trypanosoma brucei. 1996, 24, 272-3	37
1252 1251	Crystallization and preliminary X-ray studies of ornithine decarboxylase from Trypanosoma brucei.	
	Crystallization and preliminary X-ray studies of ornithine decarboxylase from Trypanosoma brucei. 1996, 24, 272-3 Pretherapeutic erythrocyte polyamine spermine levels discriminate high risk relapsing patients	7
1251	Crystallization and preliminary X-ray studies of ornithine decarboxylase from Trypanosoma brucei. 1996, 24, 272-3 Pretherapeutic erythrocyte polyamine spermine levels discriminate high risk relapsing patients with M1 prostate carcinoma. 1996, 78, 1055-65 Basic fibroblast growth factor selectively regulates ornithine decarboxylase gene expression in	7
1251 1250	Crystallization and preliminary X-ray studies of ornithine decarboxylase from Trypanosoma brucei. 1996, 24, 272-3 Pretherapeutic erythrocyte polyamine spermine levels discriminate high risk relapsing patients with M1 prostate carcinoma. 1996, 78, 1055-65 Basic fibroblast growth factor selectively regulates ornithine decarboxylase gene expression in malignant H-ras transformed cells. 1996, 60, 572-83 Reproducibility of erythrocyte polyamine measurements and correlation with plasma	7 24 15

1246	Investigations of binding sites and stability of complexes formed in ternary Cu(II)/adenosine or cytidine/putrescine systems. 1996 , 62, 103-115	34
1245	Copper(II) ions as a factor interfering in the interaction between bioligands in systems with adenosine and polyamines. 1996 , 63, 191-206	35
1244	Polyamine analysis using N-hydroxysuccinimidyl-6-aminoquinoyl carbamate for pre-column derivatization. 1996 , 675, 321-6	40
1243	Oxidation of acetylpolyamines by maize polyamine oxidase. 1996 , 43, 339-341	19
1242	The effect of alimentary polyamine depletion on germ-free and conventional rats. 1996 , 7, 560-566	9
1241	Polyamine transport inEscherichia coli. 1996 , 10, 83-97	14
1240	The polyamine-derived amino acid hypusine: its post-translational formation in eIF-5A and its role in cell proliferation. 1996 , 10, 109-21	23
1239	Crystallization and preliminary X-ray analysis of the primary receptor (PotD) of the polyamine transport system in Escherichia coli. 1996 , 52, 416-8	6
1238	Biochemical responses during starvation and subsequent recovery in postlarval Pacific white shrimp, Penaeus vannamei. 1996 , 125, 33-45	44
1237	Isolation and characterization of a Tritordeum cDNA encoding S-adenosylmethionine decarboxylase that is circadian-clock-regulated. 1996 , 30, 1021-33	39
1236	Cell acidification in apoptosis. 1996 , 1, 40-48	34
1235	Effects of gestational or neonatal treatment with alpha-difluoromethylornithine on ornithine decarboxylase and polyamines in developing rat brain and on adult rat neurochemistry. 1996 , 108, 433-40	19
1234	Regulation of ornithine decarboxylase and S-adenosylmethionine decarboxylase in a polyamine auxotrophic cell line. 1996 , 162, 113-9	3
1233	The 1.8-A X-ray structure of the Escherichia coli PotD protein complexed with spermidine and the mechanism of polyamine binding. 1996 , 5, 1984-90	50
1232	Phosphorus intake regulates intestinal function and polyamine metabolism in uremia. 1996 , 49, 499-505	14
1231	Synthesis of carboranyl polyamines for DNA targeting. 1996 , 37, 9283-9286	20
1230	Effect of temporary reductions in feeding on protein synthesis and energy storage of juvenile Atlantic salmon. 1996 , 49, 257-276	23
1229	Spermidine-preferential uptake system in Escherichia coli. Identification of amino acids involved in polyamine binding in PotD protein. 1996 , 271, 12205-8	58

1228	Spermidine release from xenopus oocytes. Electrodiffusion through a membrane channel. 1996 , 271, 3392-7	9
1227	Multisite phosphorylation of ornithine decarboxylase in transformed macrophages results in increased intracellular enzyme stability and catalytic efficiency. 1996 , 271, 24945-53	23
1226	Crystal structure of PotD, the primary receptor of the polyamine transport system in Escherichia coli. 1996 , 271, 9519-25	73
1225	Production and characterization of a monoclonal antibody specific for the polyamine spermidine and its application in ELISA. 1996 , 15, 199-204	8
1224	Comparison of ultraviolet light-induced skin carcinogenesis and ornithine decarboxylase activity in sencar and hairless SKH-1 mice fed a constant level of dietary lipid varying in corn and coconut oil. 1996 , 26, 353-63	15
1223	Platelet-derived growth factor regulates vascular smooth muscle cell proliferation by inducing cationic amino acid transporter gene expression. 1996 , 271, 11838-43	65
1222	Polyamine metabolism during early germination of Triticum durum Desf. cv. Cappelli. 1996 , 130, 795-800	0
1221	Cloning of antizyme inhibitor, a highly homologous protein to ornithine decarboxylase. 1996 , 271, 3340-2	107
1220	DNA aggregation induced by polyamines and cobalthexamine. 1996 , 271, 5656-62	298
1219	Inhibition of mammalian nitric oxide synthases by agmatine, an endogenous polyamine formed by decarboxylation of arginine. 1996 , 316 (Pt 1), 247-9	263
1218	Triplex formation at physiological pH by 5-Me-dC-N4-(spermine) [X] oligodeoxynucleotides: non protonation of N3 in X of X*G:C triad and effect of base mismatch/ionic strength on triplex stabilities. 1996 , 24, 1229-37	58
1217	Histone deacetylases, acetoin utilization proteins and acetylpolyamine amidohydrolases are members of an ancient protein superfamily. 1997 , 25, 3693-7	127
1216	Excretion and uptake of putrescine by the PotE protein in Escherichia coli. 1997 , 272, 6318-23	75
1215	Transcription factor Sp3 antagonizes activation of the ornithine decarboxylase promoter by Sp1. 1997 , 25, 2012-9	73
1214	Effects of natural and synthetic polyamines on the conformation of an oligodeoxyribonucleotide with the estrogen response element. 1997 , 25, 2396-402	25
1213	Characterization of a diamine exporter in Chinese hamster ovary cells and identification of specific polyamine substrates. 1997 , 272, 20484-9	32
1212	On the physiological role of casein kinase II in Saccharomyces cerevisiae. 1998 , 59, 95-133	146
1211	Hydrozoa metamorphosis and pattern formation. 1998 , 38, 81-131	18

121 0	Ornithine decarboxylase expression leads to translocation and activation of protein kinase CK2 in vivo. 1997 , 272, 12536-43	38
1209	Complex inhibition of OmpF and OmpC bacterial porins by polyamines. 1997 , 272, 18595-601	80
1208	Interleukin-1-induced growth inhibition of human melanoma cells. Interleukin-1-induced antizyme expression is responsible for ornithine decarboxylase activity down-regulation. 1997 , 272, 3376-83	28
1207	Proteasomal degradation of spermidine/spermine N1-acetyltransferase requires the carboxyl-terminal glutamic acid residues. 1997 , 272, 12164-9	44
1206	Molecular mechanism of polyamine stimulation of the synthesis of oligopeptide-binding protein. 1997 , 272, 4058-64	43
1205	Cloning and disruption of the ornithine decarboxylase gene of Ustilago maydis: evidence for a role of polyamines in its dimorphic transition. 1997 , 143 (Pt 7), 2237-2245	56
1204	COMPLEX FORMATION IN COPPER(II) TERNARY SYSTEMS INVOLVING POLYAMINES AND DIAMINOCARBOXYLATES STUDIED BY POTENTIOMETRIC AND SPECTROSCOPIC TECHNIQUES. 1997, 41, 261-274	44
1203	Acceleration of the maturation of oligodendroblasts into oligodendrocytes and enhancement of their myelinogenic properties by a chemically defined medium. 1997 , 19, 297-311	12
1202	The STK2 gene, which encodes a putative Ser/Thr protein kinase, is required for high-affinity spermidine transport in Saccharomyces cerevisiae. 1997 , 17, 2994-3004	41
1201	Filarial DNA and its interaction with polyamines and antifilarial drugs. 1997 , 71, 325-32	6
12 00	Ornithine decarboxylase activity and polyamine levels in the epididymis of prepubertal rat after antiandrogen administration. 1997 , 38, 163-71	3
1199	Overexpression of arginine decarboxylase in transgenic plants. 1997 , 325 (Pt 2), 331-7	69
1198	Inhibition of spermidine synthase gene expression by transforming growth factor-beta 1 in hepatoma cells. 1997 , 321 (Pt 2), 537-43	10
1197	CGP 48664, a potent and specific S-adenosylmethionine decarboxylase inhibitor: effects on regulation and stability of the enzyme. 1997 , 322 (Pt 1), 297-302	18
1196	Transgenic mice overexpressing ornithine and S-adenosylmethionine decarboxylases maintain a physiological polyamine homoeostasis in their tissues. 1997 , 323 (Pt 2), 457-62	36
1195	Structure, organization and expression of the mouse ornithine decarboxylase antizyme gene. 1997 , 324 (Pt 3), 807-13	21
1194	Interactions of polyamines with ion channels. 1997 , 325 (Pt 2), 289-97	415

1192	Explaining Aberrations of Cell Structure and Cell Signaling in Cancer Using Complex Adaptive Systems. 1997 , 24, 207-247		3
1191	Effects of chain length modification and bis(ethyl) substitution of spermine analogs on purine-purine-pyrimidine triplex DNA stabilization, aggregation, and conformational transitions. 1997 , 36, 1441-9		49
1190	Preparation of Tetracationic Metalloporphyrin Spermine Conjugates. 1997, 62, 3505-3510		17
1189	Boron-containing polyamines as DNA targeting agents for neutron capture therapy of brain tumors: synthesis and biological evaluation. <i>Journal of Medicinal Chemistry</i> , 1997 , 40, 3887-96	8.3	45
1188	Selective Platination of Biologically Relevant Polyamines. Linear Coordinating Spermidine and Spermine as Amplifying Linkers in Dinuclear Platinum Complexes. 1997 , 36, 3919-3927		87
1187	Biochemical tests in diseases of the intestinal tract: their contributions to diagnosis, management, and understanding the pathophysiology of specific disease states. 1997 , 34, 141-223		
1186	Evidence for a glutathionyl-enzyme intermediate in the amidase activity of the bifunctional glutathionylspermidine synthetase/amidase from Escherichia coli. 1997 , 36, 14930-8		28
1185	Role of Arg-277 in the binding of pyridoxal 5'-phosphate to Trypanosoma brucei ornithine decarboxylase. 1997 , 36, 4558-67		46
1184	Pyrimidine-purine-pyrimidine triplex DNA stabilization in the presence of tetramine and pentamine analogues of spermine. 1997 , 75, 207-215		13
1183	Comparative stability of eight different triple helices formed by differently modified DNA or RNA pyrimidine strands and a DNA hairpin. 1997 , 7, 327-34		9
1182	Inward rectifier potassium channels. 1997 , 59, 171-91		671
1181	Arginine metabolism in keratinocytes and macrophages during nitric oxide biosynthesis: multiple modes of action of nitric oxide synthase inhibitors. 1997 , 54, 103-12		23
1180	Conformationally Restrained Chiral Analogues of Spermine: Chemical Synthesis and Improvements in DNA Triplex Stability 1997, 62, 5169-5173		25
1179	The Glutamate Hypothesis of Schizophrenia. 1997 , 7, 47-67		15
1178	Discrete Coil © lobule Transition of Single Duplex DNAs Induced by Polyamines. 1997 , 101, 9396-9401		180
1177	Altering the binuclear manganese cluster of arginase diminishes thermostability and catalytic function. 1997 , 36, 10558-65		72
1176	Transient kinetics of polyamine oxidase from Zea mays L. 1997 , 343, 146-8		8
1175	Identification of regulatory region of antizyme necessary for the negative regulation of polyamine transport. 1997 , 238, 415-9		40

1174	Loss of intracellular putrescine pool-size regulation induces apoptosis. 1997 , 230, 386-92	49
1173	Nine polymorphic crystal structures of d(CCGGGCCCGG), d(CCGGGCCm5CGG), d(CCGGGCCm5CGG) and d(CCGGGCC(Br)5CGG) in three different conformations: effects of spermine binding and methylation on the bending and condensation of A-DNA. 1997 , 267, 1171-85	36
1172	Recent advances in polyamine research. 1997 , 2, 124-130	314
1171	The effects of spermine and spermidine on the structure of photosystem II proteins in relation to inhibition of electron transport. 1997 , 402, 41-4	35
1170	Degradation of the 74 kDa form of L-histidine decarboxylase via the ubiquitin-proteasome pathway in a rat basophilic/mast cell line (RBL-2H3). 1997 , 417, 203-7	25
1169	Activation of intestinal mitochondrial phospholipase D by polyamines and monoamines. 1997 , 1348, 324-30	12
1168	beta-Endorphin enhances polyamine transport in human lymphocytes. 1997 , 60, 1545-51	3
1167	Inhibitory effect of agmatine on naloxone-precipitated abstinence syndrome in morphine dependent rats. 1997 , 61, 1775-81	93
1166	Biogenic Amine and Polyamine Contents in Meat and Meat Products. 1997 , 45, 2098-2102	223
1165	Arginase in lactating bovine mammary glands: implications in proline synthesis. 1997 , 80, 3241-8	10
1164	Effect of beta-endorphin on cell growth and cell death in human peripheral blood lymphocytes. 1997 , 80, 87-92	19
1163	Effects of cadmium on the host-pathogen system. V. Effect of exogenous dicyclohexylamine on potato tubers (Solanum tuberosum L.), cadmium and Phytophthora infestans relations. 1997 , 150, 178-183	13
1162	Phosphorylation of proteins in cucumber exudates and evidence for protein kinase activity. 1997 , 150, 552-559	9
1161	Effects of chronically elevated growth hormone levels on polyamine metabolism in elderly transgenic mice. 1997 , 126, 49-58	12
1160	Intracellular levels of polyamines in Krebs II lymphosarcoma cells in mice fed phytohaemagglutinin-containing diets are coupled with altered tumour growth. 1997 , 121, 25-9	13
1159	Induction of ornithine decarboxylase mRNA in transient focal cerebral ischemia in the rat. 1997 , 239, 69-72	10
1158	Distribution and regulation of ornithine decarboxylase activity along the villus-crypt axis in the small intestine. 1997 , 1336, 202-10	
1157	Polyamines in goat's colostrum and milk. 1997 , 118, 45-52	17

1156	Luminal peroxides in intestinal thiol-disulfide balance and cell turnover. 1997 , 118, 479-85	9
1155	A ventrodorsal GABA gradient in the embryonic retina prior to expression of glutamate decarboxylase. 1997 , 79, 863-9	16
1154	Modeling signal transduction in normal and cancer cells using complex adaptive systems. 1997 , 48, 111-23	44
1153	Characterization of the human antizyme gene. 1997 , 203, 131-9	12
1152	Specific requirement of putrescine for the mitogenic action of juvenile hormone on adult insect neuroblasts. 1997 , 94, 8238-42	40
1151	Cloning and characterization of the urea transporter UT3: localization in rat kidney and testis. 1997 , 99, 1506-15	89
1150	Dissection of glutathionylspermidine synthetase/amidase from Escherichia coli into autonomously folding and functional synthetase and amidase domains. 1997 , 272, 2429-36	29
1149	Perspectives in cancer chemoprevention. 1997 , 105 Suppl 4, 945-54	48
1148	Importance of intracellular S-adenosylmethionine decarboxylase activity for the regulation of camostate-induced pancreatic polyamine metabolism and growth: in vivo effect of two novel S-adenosylmethionine decarboxylase inhibitors. 1997 , 58, 258-65	6
1147	Onchocerca volvulus: immunohistochemical and immunoelectron microscopical distribution of a polyamine oxidizing enzyme. 1997 , 2, 472-81	4
1146	Alcohol-induced bone disease: impact of ethanol on osteoblast proliferation. 1997 , 21, 392-9	18
1145	Determination of twenty eight biogenic amines and amino acids during wine aging by micellar electrokinetic chromatography and laser-induced fluorescence detection. 1997 , 765, 337-343	99
1144	Polyamine deprivation prevents the development of tumour-induced immune suppression. 1997 , 76, 365-70	26
1143	Modulation and block of ion channels: a new biology of polyamines. 1997 , 9, 1-13	202
1142	The importance of L-arginine metabolism in melanoma: an hypothesis for the role of nitric oxide and polyamines in tumor angiogenesis. 1997 , 22, 573-8	18
1141	A kinetic study of triple-helix formation at a critical R \times Y sequence of the murine c-Ki-ras promoter by (A,G)- and (G,T) oligonucleotides. 1997 , 248, 424-32	10
1140	Polyamines and their potential to be antimutagens. 1997 , 377, 217-24	14
1139	Polyamine-like immunoreactivity in rat neurons. 1997 , 767, 166-71	21

1138	Structural requirement for axonal regeneration-promoting effect of polyamines in cultured rat hippocampal neurons. 1997 , 766, 281-4	6
1137	Involvement of polyamines in the protection of taurine against the cytotoxicity of hydrazine or carbon tetrachloride in isolated rat hepatocytes. 1997 , 103, 213-24	12
1136	Diamine auxotrophy may be a universal feature of Trypanosoma cruzi epimastigotes. 1997 , 84, 111-21	65
1135	The interaction of plasmid DNA with polyamidoamine dendrimers: mechanism of complex formation and analysis of alterations induced in nuclease sensitivity and transcriptional activity of the complexed DNA. 1997 , 1353, 180-90	174
1134	Structure and expression of two cDNAs encoding S-adenosyl-L-methionine synthetase of rice (Oryza sativa L.). 1997 , 1354, 13-8	18
1133	New aspects on the kinetics of activation of ribosomal peptidyltransferase-catalyzed peptide bond formation by monovalent ions and spermine. 1997 , 1342, 182-90	4
1132	Ethanol-induced intracellular calcium mobilization rapidly alters gene expression in the mouse blastocyst. 1997 , 22, 463-74	38
1131	Ornithine decarboxylase activity in cerebral post-ischemic reperfusion damage: effect of methionine sulfoximine. 1997 , 22, 1145-50	4
1130	Haemonchus contortus: cloning and functional expression of a cDNA encoding ornithine decarboxylase and development of a screen for inhibitors. 1997 , 87, 171-84	16
1129	Expression of arginine decarboxylase in seedlings of indica rice (Oryza sativa L.) cultivars as affected by salinity stress. 1997 , 34, 477-83	74
1128	Characterization and expression of two members of the S-adenosylmethionine decarboxylase gene family in carnation flower. 1997 , 34, 371-82	32
1127	Dietary spermine supplementation induces intestinal maturation in sea bass (Dicentrarchus labrax) larvae. 1997 , 16, 479-485	35
1126	Polyamine levels and ODC activity in intestinal-type and diffuse-type gastric carcinoma. 1997 , 42, 576-9	13
1125	Uptake of extracellular, dietary putrescine is an important regulatory mechanism of intracellular polyamine metabolism during camostate-induced pancreatic growth in rats. 1997 , 42, 503-13	8
1124	Polyamine Uptake and Translocation in Plants. 1997 , 39, 481-491	19
1123	Biochemical characteristics of S-adenosylmethionine decarboxylase from carnation (Dianthus caryophyllus L.) petals. 1997 , 40, 80-88	3
1122	Changes of nitric oxide synthase activity and free methylarginines contents in regenerating rat liver after partial hepatectomy. 1997 , 20, 239-46	2
1121	Analysis of ornithine decarboxylase messenger ribonucleic acid expression in colorectal carcinoma. 1997 , 40, 1095-100	4

1120	Involvement of polyamines in the action of transforming growth factor beta and interleukin-1 on cultured chick embryo fibroblasts. 1997 , 15, 47-51	5
1119	Dramatic attenuation of hypusine formation on eukaryotic initiation factor 5A during senescence of IMR-90 human diploid fibroblasts. 1997 , 170, 248-54	15
1118	Astrocytes, not neurons, show most prominent staining for spermidine/spermine-like immunoreactivity in adult rat brain. 1997 , 19, 171-9	63
1117	Inhibitory role of ecdysone on neurogenesis and polyamine metabolism in the adult cricket brain. 1997 , 35, 85-97	23
1116	High-resolution reversed-phase high-performance liquid chromatography analysis of polyamines and their monoacetyl conjugates by fluorescence detection after derivatization with N-hydroxysuccinimidyl 6-quinolinyl carbamate. 1997 , 247, 294-304	44
1115	Improved ion chromatography-integrated pulsed amperometric detection method for the evaluation of biogenic amines in food of vegetable or animal origin and in fermented foods. 1998 , 798, 109-16	66
1114	Separation of tosylated polyamines by high-performance capillary zone electrophoresis. 1998 , 823, 511-521	15
1113	Effects of DFMO on glioma cell proliferation, migration and invasion in vitro. 1998 , 36, 113-21	6
1112	Ability of bisbenzylputrescine and propanediamine analogs to modulate the intracellular polyamine pool of P388D1 cells. 1998 , 14, 419-28	1
1111	Comb-type copolymer: stabilization of triplex DNA and possible application in antigene strategy. 1998 , 87, 1400-5	19
1110	The effect of polyamines on KATP channels in guinea-pig ventricular myocytes. 1998 , 508 (Pt 2), 401-11	8
1109	Activation of L-arginine transport by protein kinase C in rabbit, rat and mouse alveolar macrophages. 1998 , 511 (Pt 3), 813-25	26
1108	Uptake, inter-organ distribution and metabolism of dietary putrescine in the rat. 1998 , 9, 332-338	7
1107	Synthesis of novel boronated acridines- and spermidines as possible agents for BNCT. 1998 , 54, 3877-3884	44
1106	Complexes of copper(II) with spermine and non-covalent interactions in the systems including nucleosides or nucleotides. 1998 , 72, 37-47	50
1105	Regional localization of agmatine in the rat brain: an immunocytochemical study. 1998 , 787, 1-14	119
1104	Increased ornithine decarboxylase activity and protein level in the cortex following traumatic brain injury in rats. 1998 , 783, 163-6	11
1103	Brain lesions and delayed water maze learning deficits after intracerebroventricular spermine. 1998 , 800, 10-20	24

1102	Involvement of protein tyrosine phosphorylation in the effect of green tea polyphenols on Ehrlich ascites tumor cells in vitro. 1998 , 110, 159-72		29
1101	Acute acid exposure increases rabbit esophageal cell proliferation. 1998 , 131, 157-62		9
1100	Methotrexate in rheumatoid arthritis: an update with focus on mechanisms involved in toxicity. 1998 , 27, 277-92		172
1099	The chicken cDNA for ornithine decarboxylase antizyme. 1998 , 1396, 21-6		3
1098	The effect of different doses of epidermal growth factor on liver ornithine decarboxylase and Na-K ATPase activities in newborn rats. 1998 , 31, 261-3		1
1097	Antizyme prevents ornithine decarboxylase-mediated cell death in human fibroblasts. 1998 , 34, 538-42		5
1096	Structure/function correlation of spermine-analogue-induced modulation of peptidyltransferase activity. 1998 , 258, 437-44		5
1095	Ionspray ionization-mass spectrometric separation and determination of heptafluorobutyryl derivatives of polyamines. 1998 , 265, 253-9		16
1094	Separation of several free polyamines and their acetylated derivatives by ion-pair reversed-phase high performance liquid chromatography. 1998 , 12, 291-3		13
1093	A 1H/13C inverse 2D method for the analysis of the polyamines putrescine, spermidine and spermine in cell extracts and biofluids. 1998 , 11, 47-54		27
1092	Polyamines may regulate S-phase progression but not the dynamic changes of chromatin during the cell cycle. 1998 , 68, 200-12		30
1091	Potent interaction of histamine and polyamines at microsomal cytochrome P450, nuclei, and chromatin from rat hepatocytes. 1998 , 69, 233-43		22
1090	Polyamine und Polyamin-Derivate in der Natur. 1998 , 32, 206-218		8
1089	Monitoring of biologically active amines in cereals and cereal based food products by HPLC. 1998 , 48, 37-42		10
1088	Photoinduction of arginine decarboxylase activity in leaves of Pharbitis nil. 1998 , 49, 2255-9		6
1087	Crystallization and preliminary X-ray analysis of the periplasmic receptor (PotF) of the putrescine transport system in Escherichia coli. 1998 , 54, 132-4		5
1086	Ternary copper(II) complexes with diethylenetriamine and ⊞or ⊕) alaninehydroxamic acids in water solution. <i>Polyhedron</i> , 1998 , 17, 1831-1841	·7	25
1085	Determination of polyamines in human prostate by high-performance liquid chromatography with fluorescence detection. 1998 , 709, 297-300		37

1084	Agmatine: an endogenous ligand at imidazoline receptors may be a novel neurotransmitter in brain. 1998 , 72, 80-5	56
1083	Involvement of ornithine decarboxylase and polyamines in epidermal growth factor-induced recovery of gastric mucosa from gastric lesions provoked by stress. 1998 , 74, 73-84	7
1082	Involvement of arginine decarboxylase in the response of Arabidopsis thaliana to osmotic stress. 1998 , 153, 733-738	15
1081	Agmatine containing axon terminals in rat hippocampus form synapses on pyramidal cells. 1998 , 250, 185-8	63
1080	Simultaneous assay of ornithine decarboxylase and polyamines after central nervous system injury in gerbil and rat. 1998 , 256, 65-8	12
1079	Effects of L-valine on growth and polyamine metabolism in human colon carcinoma cells. 1998 , 1379, 151-60	11
1078	Effect of pyridoxine and insulin administration on brain glutamate dehydrogenase activity and blood glucose control in streptozotocin-induced diabetic rats. 1998 , 1381, 351-4	16
1077	Drug resistance in Leishmania: similarities and differences to other organisms. 1998 , 1, 266-78	16
1076	-Bioactive factors in milk 1998 , 5, 298-306	30
1075	Inhibited expression of insulin-like growth factor I mRNA and attenuated cardiac hypertrophy in volume overloaded hearts treated with difluoromethylornithine. 1998 , 8, 159-65	5
1074	Developmental regulation of the brain polyamine-stress-response. 1998 , 16, 271-8	28
1073	Mechanism of polyamine toxicity in cultured cardiac myocytes. 1998 , 12, 233-40	6
1072	Polyamine depletion protects HL-60 cells from 2-deoxy-D-ribose-induced apoptosis. 1998 , 62, 799-806	19
1071	Involvement of c-myc and max in CNS beta-endorphin modulation of hepatic ornithine decarboxylase responsiveness to insulin in rat pups. 1999 , 64, PL87-91	1
1070	Dietary arginine requirement of fingerling coho salmon (Oncorhynchus kisutch). <i>Aquaculture</i> , 1998 , 163, 137-150	59
1069	Histamine content and secretion in basophils and mast cells. 1998 , 33, III-IX, 169-320	10
1068	Maize polyamine oxidase: primary structure from protein and cDNA sequencing. 1998 , 426, 62-6	80
1067	Somatic and germline clone analysis in mutants of the S-adenosylmethionine synthetase encoding gene in Drosophila melanogaster. 1998 , 427, 119-23	5

1066	The natural polyamine spermine functions directly as a free radical scavenger. 1998 , 95, 11140-5	483
1065	Biogenic amines in silage, apparent postruminal passage, and the relationship between biogenic amines and digestive function and intake by steers. 1998 , 81, 2193-203	34
1064	Synthesis of A Polyaminooligonucleotide Combinatorial Library. 1998 , 17, 1871-1880	12
1063	Organic cation transporters in intestine, kidney, liver, and brain. 1998 , 60, 243-66	276
1062	Bovine ornithine decarboxylase gene: cloning, structure and polymorphisms. 1998 , 8, 203-13	O
1061	Effect of ornithine in parenteral nutrition regimens on difluoromethylornithine-induced platelet suppression and changes in tumor polyamine content. 1998 , 16, 160-5	1
1060	Self-Diffusion and Association of Li+, Cs+, and H2O in Oriented DNA Fibers. An NMR and MD Simulation Study. 1998 , 102, 10636-10642	19
1059	Nucleosides and nucleotides. 170. Synthesis and properties of oligodeoxynucleotides containing 5-[N-[2-[N,N-bis(2-aminoethyl)- amino]ethyl]carbamoyl]-2'-deoxyuridine and 5-[N-[3-[N,N-bis(3-aminopropyl) amino]propyl]carbamoyl]-2'-deoxyuridine. 1998 , 9, 33-9	43
1058	Repressive effect on oligonucleosome transcription of the core histone tail domains. 1998, 37, 7251-9	11
1057	Identification of the quinone cofactor in mammalian semicarbazide-sensitive amine oxidase. 1998 , 37, 4946-57	36
1056	Significant increases in the steady states of putrescine and spermidine/spermine N1-acetyltransferase mRNA in HeLa cells accompanied by growth arrest. 1998 , 243, 518-21	9
1055	Restricted Zn2+ availability affects the antizyme-dependent ornithine decarboxylase degradation pathway in isolated primary cultured rat hepatocytes. 1998 , 243, 797-800	3
1054	A novel calcium-independent enzyme capable of incorporating putrescine into proteins. 1998 , 244, 161-6	7
1053	Partial deletion of both the spermine synthase gene and the Pex gene in the X-linked hypophosphatemic, gyro (Gy) mouse. 1998 , 48, 289-95	57
1052	A second mammalian antizyme: conservation of programmed ribosomal frameshifting. 1998 , 52, 119-29	99
1051	Supplemental dietary arginine accelerates intestinal mucosal regeneration and enhances bacterial clearance following radiation enteritis in rats. 1998 , 74, 149-54	77
1050	Alpha-difluoromethylornithine (DFMO) as a potent arginase activity inhibitor in human colon carcinoma cells. 1998 , 55, 1241-5	49
1049	Inhibition by aminosalicylates of phosphatidic acid formation induced by superoxide, calcium or spermine in enterocyte mitochondria. 1998 , 55, 1489-95	4

1048	External action of di- and polyamines on maxi calcium-activated potassium channels: an electrophysiological and molecular modeling study. 1998 , 74, 722-30	34
1047	Spermine deficiency in Gy mice caused by deletion of the spermine synthase gene. 1998 , 7, 541-7	46
1046	Poly(L-lysine)-graft-dextran copolymer: amazing effects on triplex stabilization under physiological pH and ionic conditions (in vitro). 1998 , 26, 3949-54	48
1045	Thrombin stimulates vascular smooth muscle cell polyamine synthesis by inducing cationic amino acid transporter and ornithine decarboxylase gene expression. 1998 , 83, 217-23	33
1044	Immunoelectron microscopic study for polyamines. 1998 , 46, 1321-8	28
1043	The spermidine transport system is regulated by ligand inactivation, endocytosis, and by the Npr1p Ser/Thr protein kinase in Saccharomyces cerevisiae. 1998 , 273, 2109-17	28
1042	Metabolism of polyamines in transgenic cells of carrot expressing a mouse ornithine decarboxylase cDNA. 1998 , 116, 299-307	36
1041	Crystal structure and mutational analysis of the Escherichia coli putrescine receptor. Structural basis for substrate specificity. 1998 , 273, 17604-9	59
1040	Formation of a complex containing ATP, Mg2+, and spermine. Structural evidence and biological significance. 1998 , 273, 30939-44	39
1039	Agmatine suppresses proliferation by frameshift induction of antizyme and attenuation of cellular polyamine levels. 1998 , 273, 15313-6	109
1038	Purification, characterization, and cloning of an S-adenosylmethionine-dependent 3-amino-3-carboxypropyltransferase in nocardicin biosynthesis. 1998 , 273, 30695-703	36
1037	Clinical pharmacology of systemic antifungal agents: a comprehensive review of agents in clinical use, current investigational compounds, and putative targets for antifungal drug development. 1998, 44, 343-500	275
1036	Indomethacin interferes with EGF-induced activation of ornithine decarboxylase in gastric cancer cells. 1998 , 59, 47-52	11
1035	Monitor peptide (rat pancreatic secretory trypsin inhibitor) directly stimulates the proliferation of the nontransformed intestinal epithelial cell line, IEC-6. 1998 , 59, 326-30	7
1034	Point mutations of ornithine decarboxylase gene are an infrequent event in colorectal cancer but a missense mutation was found in a replication error positive patient with hMSH2 germline mutation. 1998 , 28, 383-7	2
1033	Spermidine determines the sensitivity to the calmodulin antagonist, chlorpromazine, for the circadian conidiation rhythm but not for the mycelial growth in Neurospora crassa. 1998 , 13, 452-60	6
1032	Cloning and characterization of the two enzymes responsible for trypanothione biosynthesis in Crithidia fasciculata. 1998 , 273, 19383-90	37
1031	Transcription factor ZBP-89 regulates the activity of the ornithine decarboxylase promoter. 1998 , 273, 19955-64	69

1030	Preparation of monoclonal antibodies against N-(gamma-maleimidobutyryloxy)succinimide (GMBS)-conjugated acetylspermine, and development of an enzyme-linked immunosorbent assay (ELISA) for N1,N12-diacetylspermine. 1998 , 124, 244-9	4
1029	Development of a sensitive and accurate enzyme-linked immunosorbent assay (ELISA) system that can replace HPLC analysis for the determination of N1,N12-diacetylspermine in human urine. 1998 , 124, 231-6	40
1028	Polyamines and cytoskeletal proteins in intestinal epithelial cell migration. 1998, 13, S257-S261	
1027	ATPase associated with ribosomal 30S-5SRNP particles and 40S subunits of rat liver. 1998 , 123, 294-304	1
1026	Arginine metabolism: nitric oxide and beyond. 1998 , 336 (Pt 1), 1-17	2063
1025	Disruption of a spe-like Open Reading Frame Alters Polyamine Content and psbA-2 mRNA Stability in the Cyanobacterium Synechocystis sp. PCC 6803. 1998 , 111, 71-76	16
1024	Epidermal growth factor-stimulated rabbit oesophageal mucosal growth: Role of polyamines. 1998 , 13, S149-S155	1
1023	Dependence of mammalian putrescine and spermidine transport on plasma-membrane potential: identification of an amiloride binding site on the putrescine carrier. 1998 , 330 (Pt 3), 1283-91	19
1022	Identification of glycinin in vivo as a polyamine-conjugated protein via a gamma-glutamyl linkage. 1998 , 332 (Pt 2), 467-73	7
1021	Effects of polyamine levels on the degradation of short-lived and long-lived proteins in cultured L-132 human lung cells. 1998 , 334 (Pt 2), 367-75	6
1020	Molecular and biochemical characterization of S-adenosylmethionine decarboxylase from the free-living nematode Caenorhabditis elegans. 1998 , 336 (Pt 3), 545-50	13
1019	Polyamine oxidase and diamine oxidase activities in acute ureteral obstruction. 1998 , 79, 369-70	
1018	Ornithine decarboxylase along the mouse and rat nephron. 1998 , 274, F1020-8	9
1017	Long-term effects of intracellular calcium and growth factors on excitation and contraction in smooth muscle. 1998 , 164, 637-44	17
1016	Synergistic induction of ornithine decarboxylase by asparagine and gut peptides in intestinal crypt cells. 1998 , 274, C1476-84	16
1015	Polyamine stimulation of the synthesis of oligopeptide-binding protein (OppA). Involvement of a structural change of the Shine-Dalgarno sequence and the initiation codon aug in oppa mRNA. 1999 , 274, 22723-8	54
1014	Polyamine depletion alters the relationship of F-actin, G-actin, and thymosin beta4 in migrating IEC-6 cells. 1999 , 276, C459-68	45
1013	Regulated degradation of yeast ornithine decarboxylase. 1999 , 274, 25921-6	29

1012	Polyamine depletion arrests cell cycle and induces inhibitors p21(Waf1/Cip1), p27(Kip1), and p53 in IEC-6 cells. 1999 , 276, C684-91	145
1011	Interaction of asparagine and EGF in the regulation of ornithine decarboxylase in IEC-6 cells. 1999 , 276, G773-80	7
1010	Effect of retinoic acid on proliferation and polyamine metabolism in cultured bovine retinal pigment epithelial cells. 1999 , 31, 24-32	12
1009	Polyamine-fas interactions: inhibition of polyamine biosynthesis in MRL-lpr/lpr mice is associated with the up-regulation of fas mRNA in thymocytes. 1999 , 29, 299-309	7
1008	Helicobacter pylori infection and host cell responses. 1999 , 21, 803-46	11
1007	Cationic proteins inhibit L-arginine uptake in rat alveolar macrophages and tracheal epithelial cells. Implications for nitric oxide synthesis. 1999 , 21, 155-62	42
1006	Dietary polyamines are essential luminal growth factors for small intestinal and colonic mucosal growth and development. 1999 , 44, 12-6	106
1005	Identification of a gene for a polyamine transport protein in yeast. 1999 , 274, 3265-7	86
1004	Whole-protein-based enteral formula stimulates intestinal ornithine decarboxylase activity more than single amino acids but does not affect mucosal adenosine triphosphate content in early postsurgical refeeding. 1999 , 23, 207-12	2
1003	Transcriptional inhibition of the operon for the spermidine uptake system by the substrate-binding protein PotD. 1999 , 274, 1942-8	32
1002	Interaction of putrescine with nuclear oligopeptides in the enterocyte-like Caco-2 cells. 1999 , 60, 255-61	20
1001	The non-enzymatic hydrolysis of oligoribonucleotides VI. The role of biogenic polyamines. 1999 , 27, 3931-7	36
1000	Spermine inhibition of the 2,5-diaziridinyl-1,4-benzoquinone (DZQ) crosslinking reaction with DNA duplexes containing poly(purine). poly(pyrimidine) tracts. 1999 , 27, 2601-9	7
999	Differential effects of cyclopolyamines on the stability and conformation of triplex DNA. 1999 , 9, 13-23	3
998	It all started on a streetcar in Boston. <i>Annual Review of Biochemistry</i> , 1999 , 68, 1-32	21
997	L-arginine metabolites regulate DNA synthesis and nitric oxide synthase activity in cultured human dermal microvascular endothelial cellspotential positive and negative regulators of angiogenesis derived from L-arginine. 1999 , 17, 235-44	6
996	Deoxyhypusine synthase from tobacco. cDNA isolation, characterization, and bacterial expression of an enzyme with extended substrate specificity. 1999 , 274, 32040-7	64
995	Pneumocystis carinii polyamine catabolism. 1999 , 274, 21017-22	14

994	Crystal and molecular structure of norspermine copper(II) sulphate trihydrate studied by X-ray and IR spectroscopy. 1999 , 508, 111-117	9
993	Characterization of the photoreceptor(s) responsible for the regulation of the intracellular polyamine level and the putative participation of heterotrimeric G-proteins in the signal transduction chain. 1999 , 50, 38-44	8
992	Method development and cultivar-related differences of nine biogenic amines in Ontario wines. 1999 , 64, 49-58	50
991	RNA switches the higher-order structure of DNA. 1999 , 82, 1-8	13
990	Heterogeneous distribution of polyamines in temporal lobe epilepsy. 1999 , 35, 161-72	25
989	Dual effect of spermine on mast cell secretion exhibits different calcium and temperature requirements. 1999 , 21, 547-59	3
988	The c-myc gene regulates the polyamine pathway in DMSO-induced apoptosis. 1999 , 32, 119-29	15
987	An emerging role for agmatine. 1999 , 56, 1252-3	31
986	Phytol is a novel tumor promoter on ICR mouse skin. 1999 , 90, 377-84	11
985	Enhancement by galactosamine of lipopolysaccharide(LPS)-induced tumour necrosis factor production and lethality: its suppression by LPS pretreatment. 1999 , 128, 5-12	47
984	Indirect fluorescence detection of aliphatic biogenic polyamines and diamines following chromatographic separation. 1999 , 841, 9-18	7
983	The host-cell architectural protein HMG I(Y) modulates binding of herpes simplex virus type 1 ICP4 to its cognate promoter. 1999 , 256, 64-74	17
982	A Trypanosoma brucei bloodstream form mutant deficient in ornithine decarboxylase can protect against wild-type infection in mice. 1999 , 91, 176-84	9
981	Characterization of ornithine decarboxylase and regulation by its antizyme in Thermus thermophilus. 1999 , 195, 55-64	6
980	The SOS induction of umu'-'lacZ fusion gene by oxidative damage is influenced by polyamines in Escherichia coli. 1999 , 15, 291-7	7
979	Partial purification and properties of putrescine oxidase from Candida guilliermondii. 1999 , 76, 229-36	4
978	Nitric oxide mediates either proliferation or cell death in cardiomyocytes. Involvement of polyamines. 1999 , 16, 181-90	15
977	Developmental aspects of polyamine-oxidizing enzyme activities in the mouse kidney. Effects of testosterone. 1999 , 17, 267-76	9

976	Effects of polyamines, polyamine synthesis inhibitors, and polyamine analogs on casein kinase II using Myc oncoprotein as substrate. 1999 , 58, 251-4	11
975	Effect of intrathecal agmatine on inflammation-induced thermal hyperalgesia in rats. 1999 , 368, 197-204	35
974	Effects of dietary arginine supplementation on protein turnover and tissue protein synthesis in scald-burn rats. 1999 , 15, 563-9	32
973	A 30-angstrom-long U-shaped catalytic tunnel in the crystal structure of polyamine oxidase. 1999 , 7, 265-76	153
972	Structure of mammalian ornithine decarboxylase at 1.6 A resolution: stereochemical implications of PLP-dependent amino acid decarboxylases. 1999 , 7, 567-81	135
971	The crystal structure of human S-adenosylmethionine decarboxylase at 2.25 A resolution reveals a novel fold. 1999 , 7, 583-95	69
970	Comparative effects of TGFbeta on proliferation of 7- and 14-day-old chick embryo fibroblasts and lack of involvement of the ODC/PA system in the TGFbeta signaling pathway. 1999 , 178, 304-10	1
969	Effects of epidermal growth factor on MDA-MB-468 breast cancer cells: alterations in polyamine biosynthesis and the expression of p21/CIP1/WAF1. 1999 , 179, 257-66	30
968	Role of interferon regulatory factor 1 in monocyte/macrophage differentiation. 1999 , 29, 3009-16	14
967	Polyamine co-matrices for matrix-assisted laser desorption/ionization mass spectrometry of oligonucleotides. 1999 , 13, 2014-21	21
966	Interactions of polyamines with the DNA octamers d(m5CG)4 and d(GGAATTCC): A 1H-NMR investigation. 1999 , 49, 41-53	8
965	Thiols and polyamines in the cytoprotective effect of taurine on carbon tetrachloride-induced hepatotoxicity. 1999 , 13, 71-6	9
964	X-ray structure of ornithine decarboxylase from Trypanosoma brucei: the native structure and the structure in complex with alpha-difluoromethylornithine. 1999 , 38, 15174-84	129
963	Slow binding inhibition of S-adenosylmethionine synthetase by imidophosphate analogues of an intermediate and product. 1999 , 38, 9063-8	15
962	Lysine-69 plays a key role in catalysis by ornithine decarboxylase through acceleration of the Schiff base formation, decarboxylation, and product release steps. 1999 , 38, 11814-26	47
961	Selectivity of polyamines on the stability of RNA-DNA hybrids containing phosphodiester and phosphorothioate oligodeoxyribonucleotides. 1999 , 38, 10775-84	43
960	The MYC dualism in growth and death. 1999 , 437, 205-17	41
959	Effects of spermidine treatment on neurobehavioral development in intrauterine growth retarded (IUGR) rats. 1999 , 17, 727-32	

958	The course of putrescine immunocytochemical appearance in neurons, astroglia and microglia in rat brain cultures. 1999 , 268, 33-6	8
957	Dietary induction of ornithine decarboxylase in male mouse kidney. 1999 , 1472, 455-61	2
956	Gene structure and chromosomal localization of mouse S-adenosylmethionine decarboxylase. 1999 , 238, 343-50	9
955	Molecular cloning and characterization of coffee cDNA encoding spermidine synthase. 1999 , 140, 161-168	10
954	Effect of ulceration on rat gastric tissue polyamine contents in response to different procedures; inhibition of these effects by cimetidine. 1999 , 40, 75-82	3
953	Glucocorticoid regulation of ornithine decarboxylase in the postnatal rat lung. 1999 , 64, 895-904	7
952	Spermine triggers the activation of caspase-3 in a cell-free model of apoptosis. 1999 , 451, 95-8	44
951	Influence of polyamines on DNA binding of heat shock and activator protein 1 transcription factors induced by heat shock. 1999 , 455, 149-53	16
950	Arabidopsis knockout mutation of ADC2 gene reveals inducibility by osmotic stress. 1999 , 458, 219-23	73
949	Polyamines and flowering: Spermidine biosynthesis in the different whorls of developing flowers of Nicotiana tabacum L 1999 , 133, 229-237	16
948	Translocation of ornithine decarboxylase to the surface membrane during cell activation and transformation. 1999 , 18, 1214-22	24
947	Polyamines found in the inflamed periodontium inhibit priming and apoptosis in human polymorphonuclear leukocytes. 1999 , 70, 179-84	5
946	Stepwise Collapse of Polyelectrolyte Chains Entrapped in a Finite Space As Predicted by Theoretical Considerations 1999, 15, 4143-4146	13
945	Ornithine decarboxylase gene deletion mutants of Leishmania donovani. 1999 , 274, 3781-8	85
944	Activation of nuclear factor kappaB by polyamines in breast cancer cells. 1999 , 38, 14763-74	65
943	Formation of a Giant Toroid from Long Duplex DNA 1999, 15, 4085-4088	56
942	Synthesis and biological evaluation of boron-containing polyamines as potential agents for neutron capture therapy of brain tumors. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 1282-92	47
941	Ornithine decarboxylase is a transcriptional target of tumor suppressor WT1. 1999 , 247, 257-66	26

940	Binding of spermidine and putrescine to energized liver mitochondria. 1999 , 365, 231-8	18
939	2-deoxy-d-ribose-induced apoptosis in HL-60 cells is associated with the cell cycle progression by spermidine. 1999 , 257, 460-5	23
938	Manganese is essential for catalytic activity of Escherichia coli agmatinase. 1999 , 258, 808-11	42
937	Evidence that histidine-163 is critical for catalytic activity, but not for substrate binding to Escherichia coli agmatinase. 1999 , 264, 196-200	12
936	The expression of Escherichia coli SOS genes recA and uvrA is inducible by polyamines. 1999 , 264, 584-9	14
935	Involvement of ppGpp, ribosome modulation factor, and stationary phase-specific sigma factor sigma(S) in the decrease in cell viability caused by spermidine. 1999 , 264, 643-7	15
934	Purification and characterization of amine oxidase from pea seedlings. 1999 , 15, 196-201	8
933	Characterization of a novel spermidine/spermine acetyltransferase, BltD, from Bacillus subtilis. 1999 , 340, 753	7
932	Proteoglycan involvement in polyamine uptake. 1999 , 338, 317-323	77
	Characterization of a novel spermidine/spermine acetyltransferase, BltD, from Bacillus subtilis.	
931	1999 , 340, 753-758	31
931		31 196
	1999 , 340, 753-758	
930	1999 , 340, 753-758 Polyamine transport in bacteria and yeast. 1999 , 344, 633-642	196
930	Polyamine transport in bacteria and yeast. 1999, 344, 633-642 Proteoglycan involvement in polyamine uptake. 1999, 338, 317	196 25
930 929 928	Polyamine transport in bacteria and yeast. 1999, 344, 633-642 Proteoglycan involvement in polyamine uptake. 1999, 338, 317 Polyamine transport in bacteria and yeast. 1999, 344, 633 Mammalian Cu-containing amine oxidases (CAOs): New methods of analysis, structural	196 25 69
930 929 928 927	Polyamine transport in bacteria and yeast. 1999, 344, 633-642 Proteoglycan involvement in polyamine uptake. 1999, 338, 317 Polyamine transport in bacteria and yeast. 1999, 344, 633 Mammalian Cu-containing amine oxidases (CAOs): New methods of analysis, structural relationships, and possible functions. 1999, 107, 5-46	196 25 69
930 929 928 927 926	Polyamine transport in bacteria and yeast. 1999, 344, 633-642 Proteoglycan involvement in polyamine uptake. 1999, 338, 317 Polyamine transport in bacteria and yeast. 1999, 344, 633 Mammalian Cu-containing amine oxidases (CAOs): New methods of analysis, structural relationships, and possible functions. 1999, 107, 5-46 Chapter 10 Inwardly Rectifying Potassium Channels: Mechanisms of Rectification. 1999, 46, 159-176 The involvement of polyamines in phytoplasma-infected periwinkle (Catharanthus roseus L.) plants.	196 25 69 7

922	Changes in gene expression in response to polyamine depletion indicates selective stabilization of mRNAs. 2000 , 346, 185	9
921	Properties of a polyamine transporter regulated by antizyme. 2000 , 347, 297	25
920	Polyamines directly induce release of cytochrome c from heart mitochondria. 2000, 347, 875	22
919	Changes in gene expression in response to polyamine depletion indicates selective stabilization of mRNAs. 2000 , 346, 185-191	18
918	Properties of a polyamine transporter regulated by antizyme. 2000 , 347, 297-303	67
917	Polyamines directly induce release of cytochrome c from heart mitochondria. 2000 , 347, 875-880	61
916	Polyamines in human and animal milk. 2000 , 84 Suppl 1, S55-8	65
915	Vector unpacking as a potential barrier for receptor-mediated polyplex gene delivery. 2000 , 67, 598-606	413
914	High levels of intracellular polyamines promote histone acetyltransferase activity resulting in chromatin hyperacetylation. 2000 , 77, 345-360	64
913	Structure, Biological Activity and Synthesis of Polyamine Analogues and Conjugates. 2000 , 2000, 1841-1863	97
912	Vibrational spectra and assignments of histamine dication in the solid state and in solution. 2000 , 31, 925-931	19
911	Circular dichroism and NMR studies of metabolically stablealpha-methylpolyamines: spectral comparison with naturally occurring polyamines. 2000 , 28, 395-408	17
910	Separation of polyamines, conjugated to DNA, by reversed-phase high-performance liquid chromatography. 2000 , 870, 425-31	1
909	Polyamine uptake in cultured astrocytes: characterization and modulation by protein kinases. 2000 , 75, 1917-26	29
908	Identification and characterization of testis specific ornithine decarboxylase antizyme (OAZ-t) gene: expression in haploid germ cells and polyamine-induced frameshifting. 2000 , 5, 265-76	83
907	Molecular forms of arginine decarboxylase in oat leaves. 2000 , 108, 370-375	6
906	Acclimation to low water potential in potato cell suspension cultures leads to changes in putrescine metabolism. 2000 , 38, 345-351	14
905	Isolation and characterization of three polyamine oxidase genes from Zea mays. 2000 , 38, 667-677	36

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904	plasmid DNA. 2000 , 7, 769-83	24
903	Mixed-ligand complexes of copper(II) ions with AMP and CMP in the systems with polyamines and non-covalent interaction between bioligands. 2000 , 78, 139-47	47
902	Analysis of amines in plant materials. 2000 , 747, 49-67	70
901	Effect of polyamines on histone-induced DNA compaction of hyperthermophilic archaea. 2000 , 89, 103-6	16
900	Polyamine-depletion induces p27Kip1 and enhances dexamethasone-induced G1 arrest and apoptosis in human T lymphoblastic leukemia cells. 2000 , 24, 119-27	24
899	Different effects of acute neonatal stressors and long-term postnatal handling on stress-induced changes in behavior and in ornithine decarboxylase activity of adult rats. 2000 , 120, 255-9	25
898	Probing the interaction between N1,N4-dibenzylputrescine and tRNA through 15N NMR: biological implications. 2000 , 1476, 324-330	4
897	A comparative study of methionine adenosyltransferase activity and regional distribution in mammalian spinal cord. 2000 , 60, 441-5	O
896	Neonatal polyamine depletion by alpha-difluoromethylornithine: effects on adenylyl cyclase cell signaling are separable from effects on brain region growth. 2000 , 887, 16-22	13
895	Involvement of polyamines in apoptosis. Facts and controversies: effectors or protectors?. 2000 , 10, 55-68	144
894	Altered ornithine decarboxylase and S-adenosylmethionine decarboxylase expression and regulation in mouse fibroblasts transformed with oncogenes or constitutively active Mitogen-Activated Protein (MAP) kinase kinase. 2000 , 215, 81-92	9
893	Polyamines and Plant Morphogenesis. 2000 , 43, 1-11	96
892	Role of polyamines in the cytokinin-dependent physiological processes II. Modulation of polyamine levels during cytokinin-stimulated expansion of cucumber cotyledons. 2000 , 22, 395-401	11
891	Role of polyamines and ethylene as modulators of plant senescence. 2000 , 25, 291-9	142
	Effect of spermine on proliferation of hyphae of Glomus fistulosum, an arbuscular mycorrhizal	
890	fungus, in maize roots. 2000 , 45, 167-71	5
890 889		5
	fungus, in maize roots. 2000 , 45, 167-71 Studies on the antiperoxide and antihaemolytic action of polyamines using human erythrocytes.	32

886	IL-4 and IL-13 upregulate arginase I expression by cAMP and JAK/STAT6 pathways in vascular smooth muscle cells. 2000 , 279, C248-56	131
885	Polyamine depletion delays apoptosis of rat intestinal epithelial cells. 2000 , 278, C480-9	60
884	Inwardly rectifying K(+) channels in esophageal smooth muscle. 2000 , 279, G951-60	8
883	Polyamines decrease Ca(2+) sensitivity of tension and increase rates of activation in skinned cardiac myocytes. 2000 , 279, H1383-91	6
882	Role of K(+) channel expression in polyamine-dependent intestinal epithelial cell migration. 2000 , 278, C303-14	79
881	Polyamines in spermiogenesis: not now, darling. 2000 , 97, 4421-3	27
880	Agmatine reverses pain induced by inflammation, neuropathy, and spinal cord injury. 2000, 97, 10584-9	183
879	Deoxyhypusine synthase generates and uses bound NADH in a transient hydride transfer mechanism. 2000 , 275, 9170-7	25
878	The bifunctional active site of S-adenosylmethionine synthetase. Roles of the basic residues. 2000 , 275, 4060-5	16
877	Gene cloning and molecular characterization of lysine decarboxylase from Selenomonas ruminantium delineate its evolutionary relationship to ornithine decarboxylases from eukaryotes. 2000 , 182, 6732-41	46
876	Detection of ornithine decarboxylase mRNA in human breast cancer MCF-7 cells by in situ RT-PCR. 2000 , 16, 241-4	1
875	Intracellular signaling in the developing blastocyst as a consequence of the maternal-embryonic dialogue. 2000 , 18, 273-87	30
874	Inward potassium channel in guard cells as a target for polyamine regulation of stomatal movements. 2000 , 124, 1315-26	222
873	Polyamine composition and expression of genes related to polyamine biosynthesis in an aphid endosymbiont, Buchnera. 2000 , 66, 3305-9	9
872	Identification of the putrescine recognition site on polyamine transport protein PotE. 2000, 275, 36007-12	49
871	Physiological cyclic stretch directs L-arginine transport and metabolism to collagen synthesis in vascular smooth muscle. 2000 , 14, 1775-83	69
870	In vitro studies on the maintenance of transcription-induced stress by histones and polyamines. 2000 , 275, 657-68	24
869	Photoaffinity polyamines: interactions with AcPhe-tRNA free in solution or bound at the P-site of Escherichia coli ribosomes. 2000 , 28, 3733-42	12

(2000-2000)

8	868	Identification of a highly diverged class of S-adenosylmethionine synthetases in the archaea. 2000 , 275, 4055-9	44
8	367	In vitro translation of the upstream open reading frame in the mammalian mRNA encoding S-adenosylmethionine decarboxylase. 2000 , 275, 24444-50	37
8	366	c-Jun activation-dependent tumorigenic transformation induced paradoxically by overexpression or block of S-adenosylmethionine decarboxylase. 2000 , 151, 801-10	24
8	865	Polyamine regulation of ornithine decarboxylase synthesis in Neurospora crassa. 2000 , 20, 2760-73	19
8	864	Discovery of a spermatogenesis stage-specific ornithine decarboxylase antizyme: antizyme 3. 2000 , 97, 4808-13	115
8	363	S-Adenosylmethionine decarboxylase from the archaeon Methanococcus jannaschii: identification of a novel family of pyruvoyl enzymes. 2000 , 182, 6667-72	23
8	862	In vitro packaging of DNA of the Bacillus subtilis bacteriophage SPP1. 2000 , 296, 103-15	40
8	361	Molecular basis for the polyamine-ompF porin interactions: inhibitor and mutant studies. 2000 , 297, 933-45	60
8	860	Modulation of potassium channels in the hearts of transgenic and mutant mice with altered polyamine biosynthesis. 2000 , 32, 2007-24	41
8	359	Nitric oxide synthase inhibition promotes carcinogen-induced preneoplastic changes in the colon of rats. 2000 , 4, 583-9	23
8	358	Polyamines in plantfhicrobe interactions. 2000 , 57, 137-146	97
8	³ 57	Is agmatine a novel neurotransmitter in brain?. 2000 , 21, 187-93	352
8	356	Effects of agmatine on ethanol withdrawal syndrome in rats. 2000 , 107, 153-9	81
8	³ 55	Isolation and Characterization of a Salt- and Drought-inducible Gene for S-adenosylmethionine Decarboxylase from Wheat (Triticum aestivum L.). 2000 , 156, 386-393	36
8	³ 54	Tuber Vegetative Stages and Cell Cycle in Helianthus tuberosus: Protein Pattern and their Modification by Spermidine. 2000 , 156, 17-25	20
8	³ 53	Inhibition of gastric mucosal damage by methylglyoxal pretreatment in rats. 2000 , 38, 577-84	14
8	352	Casein kinase 2 as a potentially important enzyme in the nervous system. 2000 , 60, 211-46	135
8	351	Polyamine levels in the seagrass Cymodocea nodosa. 2000 , 68, 179-184	14

850	Aminohexanoic hydroxamate is a potent inducer of the differentiation of mouse neuroblastoma cells. 2000 , 160, 59-66	7
849	Exogenous spermine reduces ischemic damage in a model of focal cerebral ischemia in the rat. 2000 , 282, 5-8	20
848	Accelerated functional recovery and neuroprotection by agmatine after spinal cord ischemia in rats. 2000 , 296, 97-100	83
847	A cell cycle-dependent internal ribosome entry site. 2000 , 5, 607-16	295
846	Some aspects of hepatic function in feral brown trout, Salmo trutta, living in metal contaminated water. 2000 , 127, 71-8	17
845	On the mechanism of the spermine-exerted inhibition on alpha-thrombin-induced platelet activation. 2000 , 98, 59-71	13
844	Primary structure and expression of peroxisomal acetylspermidine oxidase in the methylotrophic yeast Candida boidinii. 2000 , 476, 150-4	20
843	Molecular correlates of the action of bis(ethyl)polyamines in breast cancer cell growth inhibition and apoptosis. 2000 , 78, 415-426	34
842	Energetics of S-adenosylmethionine synthetase catalysis. 2000 , 39, 4443-54	26
841	Binding sites of the polyamines putrescine, cadaverine, spermidine and spermine on A- and B-DNA located by simulated annealing. 2000 , 18, 393-412	29
840	Isolation and characterization of human breast adenocarcinoma cells made resistant to alpha-difluoromethylornithine. 2000 , 18, 115-22	2
839	Self-assembly of an oligodeoxyribonucleotide harboring the estrogen response element in the presence of polyamines: ionic, structural, and DNA sequence specificity effects. 2000 , 1, 339-49	10
838	Nucleosides and nucleotides. 204. Synthesis of oligodeoxynucleotides containing 6'alpha-[N-(Aminoalkyl)carbamoyloxy]-carbocyclic-thymidines and the thermal stability of the duplexes and their nuclease-resistance properties. 2000 , 11, 933-40	4
837	Structural basis of polyamine-DNA recognition: spermidine and spermine interactions with genomic B-DNAs of different GC content probed by Raman spectroscopy. 2000 , 28, 3379-85	157
836	Highly Nuclease-Resistant Phosphodiester-Type Oligodeoxynucleotides Containing 4EC-Aminoalkylthymidines Form Thermally Stable Duplexes with DNA and RNA. A Candidate for Potent Antisense Molecules. 2000 , 122, 2422-2432	58
835	Polymine-traveled pathways: Significance in health and disease. 2000 , 6, 117-146	O
834	Inhibition of sequence-specific protein-DNA interaction and restriction endonuclease cleavage via triplex stabilization by poly(L-lysine)-graft-dextran copolymer. 2000 , 1, 186-93	17
833	Highly selective fluorometric determination of polyamines based on intramolecular excimer-forming derivatization with a pyrene-labeling reagent. 2000 , 72, 4199-204	116

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832	Melatonin attenuates the changes in polyamine levels induced by systemic kainate administration in rat brains. 2000 , 178, 124-31		18
831	SOS induction of the recA gene by UV-, gamma-irradiation and mitomycin C is mediated by polyamines in Escherichia coli K-12. 2000 , 116, 143-9		23
830	A mild and general solid-phase method for the synthesis of chiral polyamines. Solution studies on the cleavage of borane-amine intermediates from the reduction of secondary amides. 2001 , 66, 874-85		48
829	Synthesis and biological evaluation of s-triazine substituted polyamines as potential new anti-trypanosomal drugs. <i>Journal of Medicinal Chemistry</i> , 2001 , 44, 3440-52	3.3	120
828	Structural bases for inhibitor binding and catalysis in polyamine oxidase. 2001 , 40, 2766-76		59
827	Polyamine cytotoxicity in the presence of bovine serum amine oxidase. 2001 , 282, 228-35		138
826	Polyamine and thiol metabolism in Trypanosoma granulosum: similarities with Trypanosoma cruzi. 2001 , 282, 1177-82		8
825	Critical factors governing the difference in antizyme-binding affinities between human ornithine decarboxylase and antizyme inhibitor. 2011 , 6, e19253		16
824	Determinants of the differential antizyme-binding affinity of ornithine decarboxylase. 2011 , 6, e26835		12
823	Arginase. 2011,		О
823	Arginase. 2011, Enhancement of gastrointestinal absorption of ovalbumin caused by spermine induces an increase in plasma histamine levels in mice sensitized to ovalbumin. 2011, 34, 415-9		2
	Enhancement of gastrointestinal absorption of ovalbumin caused by spermine induces an increase		
822	Enhancement of gastrointestinal absorption of ovalbumin caused by spermine induces an increase in plasma histamine levels in mice sensitized to ovalbumin. 2011 , 34, 415-9		
822	Enhancement of gastrointestinal absorption of ovalbumin caused by spermine induces an increase in plasma histamine levels in mice sensitized to ovalbumin. 2011, 34, 415-9 Ammonia & N-Donor Ligands. 2011, Independent evolutionary origins of functional polyamine biosynthetic enzyme fusions catalysing		2
822 821 820	Enhancement of gastrointestinal absorption of ovalbumin caused by spermine induces an increase in plasma histamine levels in mice sensitized to ovalbumin. 2011, 34, 415-9 Ammonia & N-Donor Ligands. 2011, Independent evolutionary origins of functional polyamine biosynthetic enzyme fusions catalysing de novo diamine to triamine formation. 2011, 81, 1109-24 The evolution of a superbug: how Staphylococcus aureus overcomes its unique susceptibility to		17
822 821 820 819	Enhancement of gastrointestinal absorption of ovalbumin caused by spermine induces an increase in plasma histamine levels in mice sensitized to ovalbumin. 2011, 34, 415-9 Ammonia & N-Donor Ligands. 2011, Independent evolutionary origins of functional polyamine biosynthetic enzyme fusions catalysing de novo diamine to triamine formation. 2011, 81, 1109-24 The evolution of a superbug: how Staphylococcus aureus overcomes its unique susceptibility to polyamines. 2011, 82, 1-3 In vitro and in vivo efficacy of sulfo-carrabiose, a sugar-based cosmetic ingredient with anti-cellulite		2 17 6
822 821 820 819	Enhancement of gastrointestinal absorption of ovalbumin caused by spermine induces an increase in plasma histamine levels in mice sensitized to ovalbumin. 2011, 34, 415-9 Ammonia & N-Donor Ligands. 2011, Independent evolutionary origins of functional polyamine biosynthetic enzyme fusions catalysing de novo diamine to triamine formation. 2011, 81, 1109-24 The evolution of a superbug: how Staphylococcus aureus overcomes its unique susceptibility to polyamines. 2011, 82, 1-3 In vitro and in vivo efficacy of sulfo-carrabiose, a sugar-based cosmetic ingredient with anti-cellulite properties. 2011, 33, 120-5		2 17 6

814	Putrescine is required for the expression of eif-5a in Trichomonas vaginalis. 2011 , 180, 8-16	9
813	Spermine attenuates carotid body glomus cell oxygen sensing by inhibiting L-type Caf(+) channels. 2011 , 175, 80-9	5
812	Synergistic activity of curcumin with methotrexate in ameliorating Freund's Complete Adjuvant induced arthritis with reduced hepatotoxicity in experimental animals. 2011 , 668, 293-8	61
811	Effect of ozone exposure on polyamines in Scots pine trees. 2011 , 72, 448-454	2
810	Arginine metabolism in the sheep abomasal nematode parasites Haemonchus contortus and Teladorsagia circumcincta. 2011 , 127, 506-14	8
809	Synthesis of a new trifluoromethylketone analogue of l-arginine and contrasting inhibitory activity against human arginase I and histone deacetylase 8. 2011 , 21, 5854-8	21
808	Guanylated diamines, triamines, and polyamines: chemistry and biological properties. 2011 , 111, 5247-300	80
807	Extremes in rapid cellular morphogenesis: post-transcriptional regulation of spermatogenesis in Marsilea vestita. 2011 , 248, 457-73	9
806	Na+,K+-ATPase activity in the posterior gills of the blue crab, Callinectes ornatus (Decapoda, Brachyura): modulation of ATP hydrolysis by the biogenic amines spermidine and spermine. 2011 , 244, 9-20	9
805	The effect of methyl jasmonate on accumulation of 2-phenylethylamine and putrescine in seedlings of common buckwheat (Fagopyrum esculentum). 2011 , 33, 897-903	19
804	Structure and mechanism of Escherichia coli glutathionylspermidine amidase belonging to the family of cysteine; histidine-dependent amidohydrolases/peptidases. 2011 , 20, 557-66	8
803	New insights into induction of early-stage neovascularization in an improved tissue-engineered model of psoriasis. 2011 , 5, 363-74	3
802	Ornithine decarboxylase prevents dibenzoylmethane-induced apoptosis through repressing reactive oxygen species generation. 2011 , 25, 312-9	12
801	Segmented poly(urethane-urea) elastomers based on polycaprolactone: Structure and properties. 2011 , 119, 2093-2104	34
800	Positive charges of polyamines protect PSII in isolated thylakoid membranes during photoinhibitory conditions. 2011 , 52, 866-73	28
799	Select nutrients in the ovine uterine lumen. VIII. Arginine stimulates proliferation of ovine trophectoderm cells through MTOR-RPS6K-RPS6 signaling cascade and synthesis of nitric oxide and polyamines. 2011 , 84, 70-8	60
798	Polyamines: total daily intake in adolescents compared to the intake estimated from the Swedish Nutrition Recommendations Objectified (SNO). 2011 , 55,	21
797	Polyamines in foods: development of a food database. 2011 , 55,	81

796	Trypanosoma cruzi Coexpressing Ornithine Decarboxylase and Green Fluorescence Proteins as a Tool to Study the Role of Polyamines in Chagas Disease Pathology. 2011 , 2011, 657460	13
795	Spermidine synthase is required for virulence of Leishmania donovani. 2011 , 79, 2764-9	39
794	Legionella pneumophila requires polyamines for optimal intracellular growth. 2011 , 193, 4346-60	34
793	Association of anthropogenic land use change and increased abundance of the Chagas disease vector Rhodnius pallescens in a rural landscape of Panama. 2011 , 84, 70-7	49
792	Interactions of natural polyamines with mammalian proteins. 2011 , 2, 79-94	15
791	Polyamines on the reproductive landscape. 2011 , 32, 694-712	111
790	The phosphorylation state of MRLC is polyamine dependent in intestinal epithelial cells. 2011 , 300, C164-75	10
7 ⁸ 9	Orally administered L-ornithine elevates brain L-ornithine levels and has an anxiolytic-like effect in mice. 2011 , 14, 243-8	22
788	Neglected disease - african sleeping sickness: recent synthetic and modeling advances. 2011 , 79, 389-428	7
787	Polyamine Homeostasis in Wild Type and Phenolamide Deficient Arabidopsis thaliana Stamens. 2012 , 3, 180	21
786	The neuroprotective effect of agmatine after focal cerebral ischemia in diabetic rats. 2012, 24, 39-50	21
7 ⁸ 5	Natural variation in a polyamine transporter determines paraquat tolerance in Arabidopsis. 2012 , 109, 6343-7	87
7 ⁸ 4	Amino acids regulate expression of antizyme-1 to modulate ornithine decarboxylase activity. 2012 , 287, 3674-90	16
7 ⁸ 3	Mechanistic insights into the dual inhibition strategy for checking Leishmaniasis. 2012 , 30, 474-87	5
782	Arginase activity and nitric oxide levels may be considered as tumor markers in breast cancer. 2012,	
781	Polyamines and carcinogenesis. 2012 , 29, 165-174	1
78o	Polyamine metabolism in fungi with emphasis on phytopathogenic species. 2012 , 2012, 837932	44
779	Spermine Oxidation Products Induce Mitochondrial Alterations on Tumor Cells. 2012 , 29, 111-116	

778	Crystallization and preliminary X-ray crystallographic analysis of YgjG from Escherichia coli. 2012 , 68, 1070-2	4
777	Phenotypic comparison of samdc and spe mutants reveals complex relationships of polyamine metabolism in Ustilago maydis. 2012 , 158, 674-684	10
776	Dynamics of arginase gene evolution in metazoans. 2012 , 30, 407-18	8
775	Physiological levels of salt and polyamines favor writhe and limit twist in DNA. 2012 , 45, 3188-3196	22
774	Formation of impeller-like helical DNA-silica complexes by polyamines induced chiral packing. 2012 , 2, 608-16	17
773	A new target for diagnosis and treatment of CNS disorders: agmatinergic system. 2012 , 19, 5116-21	11
772	Agmatine protects against scopolamine-induced water maze performance impairment and hippocampal ERK and Akt inactivation. 2012 , 62, 2018-23	57
771	Non-genetic mechanisms communicating antibiotic resistance: rethinking strategies for antimicrobial drug design. 2012 , 7, 923-33	18
770	Biogenic polyamines spermine and spermidine activate RNA polymerase and inhibit RNA helicase of hepatitis C virus. 2012 , 77, 1172-80	10
769	Chronic inflammatory diseases are stimulated by current lifestyle: how diet, stress levels and medication prevent our body from recovering. 2012 , 9, 32	77
768	Characterization of the activity and expression of arginine decarboxylase in human and animal Chlamydia pathogens. 2012 , 337, 140-6	9
767	Multifactorial etiology of gastric cancer. 2012 , 863, 411-35	102
766	A leishmaniasis study: structure-based screening and molecular dynamics mechanistic analysis for discovering potent inhibitors of spermidine synthase. 2012 , 1824, 1476-83	24
765	The role of counterion valence and size in GAAA tetraloop-receptor docking/undocking kinetics. 2012 , 423, 198-216	22
764	The ends and means of artificially induced targeted protein degradation. 2012, 96, 1111-23	7
763	Cancer Epigenetics. 2012,	4
762	The polyamine inhibitor alpha-difluoromethylornithine modulates hippocampus-dependent function after single and combined injuries. 2012 , 7, e31094	15
761	Spermine attenuates the action of the DNA intercalator, actinomycin D, on DNA binding and the inhibition of transcription and DNA replication. 2012 , 7, e47101	12

760	The biological response of spermidine induced by ionization radiation. 2011 , 17, 145-50	6
759	Programmed Cell Death in the Gastrointestinal Tract. 2012 , 379-414	1
758	Flavonoids and Furocoumarins in Bergamot, Myrtle-Leaved Orange, and Sour Orange Juices: Distribution and Properties. 2012 , 17-35	3
757	Template-directed synthesis of multi-component organic cages in water. 2012 , 3, 2326	60
756	Promiscuous restriction is a cellular defense strategy that confers fitness advantage to bacteria. 2012 , 109, E1287-93	30
755	DNA vaccine encoding Hetoprotein fused with the ornithine decarboxylase degradation signal significantly suppresses the hepatocellular carcinoma growth in mice. 2012 , 46, 391-406	4
754	Templated Dynamic Synthesis of a [3]Catenane. 2012, 124, 1472-1476	34
753	Polyamines stimulate hyphal branching and infection in the early stage of Glomus etunicatum colonization. <i>World Journal of Microbiology and Biotechnology</i> , 2012 , 28, 1615-21	1 9
752	Sorbitol and NaCl stresses affect free, microsome-associated and thylakoid-associated polyamine content in Zea mays and Phaseolus vulgaris. 2012 , 34, 1145-1151	10
751	Elevated levels of the norspermidine synthesis enzyme NspC enhance Vibrio cholerae biofilm formation without affecting intracellular norspermidine concentrations. 2012 , 329, 18-27	11
750	The spider acylpolyamine Mygalin is a potent modulator of innate immune responses. 2012 , 275, 5-11	7
749	Spermine, a molecular switch regulating EGFR, integrin	18
748	Synthesis, crystal structure, and protonation behaviour in solution of the recently-discovered drug metabolite, N1,N10-diacetyltriethylenetetramine. 2012 , 1012, 37-42	2
747	Broadening our horizons: gene expression profiling to help better understand the neurobiology of suicide and depression. 2012 , 45, 14-22	18
746	The pharmacological importance of agmatine in the brain. 2012 , 36, 502-19	77
745	Synthesis, preparation, in vitro degradation, and application of novel degradable bioelastomers. review. 2012 , 37, 715-765	149
744	Templated dynamic synthesis of a [3]catenane. 2012 , 51, 1443-7	99
743	Chronic exposure to agmatine results in the selection of agmatine-resistant hepatoma cells. 2012 , 42, 769-74	O

742	Modification of secondary head-forming activity of microinjected ⊪catenin mRNA by co-injected spermine and spermidine in Xenopus early embryos. 2012 , 42, 791-801	3
741	Polyamines modulate nitrate reductase activity in wheat leaves: involvement of nitric oxide. 2012 , 42, 857-65	46
740	Regulation of polyamine metabolism by translational control. 2012 , 42, 611-7	54
739	Effect of irradiation and storage on biogenic amine contents in ripened Egyptian smoked cooked sausage. 2013 , 50, 1165-71	11
738	Molecular cloning and characterization of S-adenosylmethionine synthetase gene from Lycoris radiata. 2013 , 40, 1255-63	10
737	In silico studies toward understanding the interactions of DNA base pairs with protonated linear/cyclic diamines. 2013 , 117, 9840-50	3
736	Site-directed mutations of the gatekeeping loop region affect the activity of Escherichia coli spermidine synthase. 2013 , 54, 572-80	6
735	Boron and Gadolinium Neutron Capture Therapy. 2013 , 877-900	5
734	Evidence for oral agmatine sulfate safetya 95-day high dosage pilot study with rats. 2013 , 62, 758-62	11
733	Synthesis and evaluation of hexahydropyrimidines and diamines as novel hepatitis C virus inhibitors. 2013 , 70, 315-25	17
732	Complexes of copper(II) with L-aspartic acid in systems with tetramines and non-covalent interactions between bioligands. 2013 , 66, 1287-1302	9
731	Prediction of the interaction between spermidine and the G-G mismatch containing acceptor stem in tRNA(Ile): molecular modeling, density functional theory, and molecular dynamics study. 2013 , 441, 999-1004	2
730	Increased plasma agmatine levels in patients with schizophrenia. 2013, 47, 1054-60	35
729	Polyamines are critical for the induction of the glutamate decarboxylase-dependent acid resistance system in Escherichia coli. 2013 , 288, 33559-33570	21
728	Potentiometric and spectral studies of complex formation in the Cu(II), 3?,5?-cyclic adenosine monophosphate, and tetramine systems. 2013 , 66, 261-273	7
727	Effect of combination of a polyamine-free oral nutritional supplement and docetaxel in symptomatic, metastatic castration-resistant prostate cancer patients. 2013 , 3, 153-159	
726	Expression analysis and enzymatic characterization of phospholipase CII from olive flounder (Paralichthys olivaceus). 2013 , 166, 215-24	
725	Polyamines control the growth of the fish-killing dinoflagellate Karenia mikimotoi in culture. 2013 , 29, 10-13	3

724	In vitro cultivation of Schistosoma japonicum-parasites and cells. 2013 , 31, 1722-37	8
7 2 3	Molecular and biochemical characterisation of ornithine decarboxylases in the sheep abomasal nematode parasites Teladorsagia circumcincta and Haemonchus contortus. 2013 , 165, 119-24	2
722	Ionizing radiation induced changes in phenotype, photosynthetic pigments and free polyamine levels in Vigna radiata (L.) Wilczek. 2013 , 75, 44-9	7
721	Inward-rectifying potassium (Kir) channels regulate pacemaker activity in spinal nociceptive circuits during early life. 2013 , 33, 3352-62	22
720	Metabolism. 2013 , 37-209	
719	Plant polyamines in abiotic stress responses. 2013 , 35, 2015-2036	261
718	Comparative roles of brassinosteroids and polyamines in salt stress tolerance. 2013 , 35, 2037-2053	23
717	Maillard reactions in hyperthermophilic archaea: implications for better understanding of non-enzymatic glycation in biology. 2013 , 16, 259-72	14
716	Agmatine: clinical applications after 100 years in translation. 2013 , 18, 880-93	159
715	Hormonal signals involved in the regulation of cambial activity, xylogenesis and vessel patterning in trees. 2013 , 32, 885-98	69
714	Effect of amphotericin B on the metabolic profiles of Candida albicans. 2013 , 12, 2921-32	18
713	Stabilisation of non-canonical structures of nucleic acids by metal ions and small molecules. 2013 , 257, 2765-2783	31
712	Highly selective colorimetric detection of spermine in biosamples on basis of the non-crosslinking aggregation of ssDNA-capped gold nanoparticles. 2013 , 106, 255-60	18
711	Thermodynamics of the DNA binding of biogenic polyamines: Calorimetric and spectroscopic investigations. 2013 , 57, 445-453	26
710	Determination of the polyamines in human toenails as 1-(5-fluoro-2,4-dinitrophenyl)-4-methylpiperazine derivatives using high-performance liquid chromatography. 2013 , 110, 568-574	6
709	Communication is key: do bacteria use a universal 'language' to spread resistance?. 2013 , 8, 1357-9	
708	Role of arginase in vessel wall remodeling. 2013 , 4, 111	49
707	An intercellular polyamine transfer via gap junctions regulates proliferation and response to stress in epithelial cells. 2013 , 24, 1529-43	15

706	Is folic acid supplementation to food benefit or risk for human health?. 2013, 24, 165-181	2
705	Biochemical characterization of Hpa2 and Hpa3, two small closely related acetyltransferases from Saccharomyces cerevisiae. 2013 , 288, 21506-13	16
704	Depletion of cellular polyamines, spermidine and spermine, causes a total arrest in translation and growth in mammalian cells. 2013 , 110, 2169-74	166
703	Docking and molecular dynamics studies of peptide inhibitors of ornithine decarboxylase: a rate-limiting enzyme for the metabolism of Fusarium solani. 2013 , 31, 874-87	10
702	Trypanosoma brucei S-adenosylmethionine decarboxylase N terminus is essential for allosteric activation by the regulatory subunit prozyme. 2013 , 288, 5232-40	14
701	Spermidine-analogous triamines suppressed the growth of Candida albicans. 2013 , 36, 1440-7	1
700	Pentamines as substrate for human spermine oxidase. 2013 , 36, 407-11	8
699	Effect of major and minor surgery on plasma levels of arginine, citrulline, nitric oxide metabolites, and ornithine in humans. 2013 , 258, 1072-8	7
698	Polyamines and their metabolites as diagnostic markers of human diseases. 2013 , 21, 1-9	94
697	Vitamin B6-dependent enzymes in the human malaria parasite Plasmodium falciparum: a druggable target?. 2014 , 2014, 108516	16
696	Expression pattern and biochemical properties of zebrafish N-acetylglutamate synthase. 2014 , 9, e85597	7
695	Recent advances in polyamine metabolism and abiotic stress tolerance. 2014 , 2014, 239621	46
694	Mini-Review: Polyamines Metabolism, Toxicity and Potent Therapeutical Use. 2014 , 12, 95-103	9
693	Mixed-ligand complexes of copper(II) ions with L-glutamic acid in the systems with triamines and non-covalent interaction between bioligands in aqueous solution. 2014 , 13,	6
692	The influence of spermine on Ca2+-dependent permeability transition in mitochondria and liposomes induced by palmitic and ∰hexadecanedioic acids. 2014 , 59, 727-731	1
691	L-Arginine and its metabolites in kidney and cardiovascular disease. 2014 , 46, 2271-86	57
690	Amine oxidase copper-containing 1 (AOC1) is a downstream target gene of the Wilms tumor protein, WT1, during kidney development. 2014 , 289, 24452-62	14
689	LM14 defined medium enables continuous growth of Trypanosoma cruzi. 2014 , 14, 238	5

(2014-2014)

688	Ribosomes in the balance: structural equilibrium ensures translational fidelity and proper gene expression. 2014 , 42, 13384-92	4
687	Phenolic Acids (Gallic and Tannic Acids) Modulate Antioxidant Status and Cisplatin Induced Nephrotoxicity in Rats. 2014 , 2014, 984709	21
686	Stress and polyamine metabolism in fungi. 2013 , 1, 42	48
685	Metabolism via Arginase or Nitric Oxide Synthase: Two Competing Arginine Pathways in Macrophages. 2014 , 5, 532	567
684	Enzyme Inhibition and Inactivation. 2014 , 207-274	1
683	Inhibition of polyamine formation antagonizes vascular smooth muscle cell proliferation and preserves the contractile phenotype. 2014 , 115, 379-88	3
682	Identification and characterization of the carbapenem MM 4550 and its gene cluster in Streptomyces argenteolus ATCC 11009. 2014 , 15, 320-31	16
681	Polyamine levels in breast milk are associated with mothers' dietary intake and are higher in preterm than full-term human milk and formulas. 2014 , 27, 459-67	20
<i>6</i> 80	Polyamine oxidase 7 is a terminal catabolism-type enzyme in Oryza sativa and is specifically expressed in anthers. 2014 , 55, 1110-22	43
679	Encapsulation of biogenic and synthetic polyamines by nanoparticles PEG and mPEG-anthracene. 2014 , 130, 30-9	10
678	Thermodynamic study of alkane-Ediamines Evidence of oddeven pattern of sublimation properties. 2014 , 371, 93-105	15
677	Deletion of potD, encoding a putative spermidine-binding protein, results in a complex phenotype in Legionella pneumophila. 2014 , 304, 703-16	9
676	Agmatine attenuates nicotine induced conditioned place preference in mice through modulation of neuropeptide Y system. 2014 , 262, 118-24	15
675	The Genetic Reprogramming of Polyamine Homeostasis During the Functional Assembly, Maturation, and Senescence-Specific Decline of the Photosynthetic Apparatus in Hordeum vulgare. 2014 , 33, 77-90	17
674	Lactobacillus GG restoration of the gliadin induced epithelial barrier disruption: the role of cellular polyamines. 2014 , 14, 19	65
673	Identification of polyamine transporters in plants: paraquat transport provides crucial clues. 2014 , 55, 855-61	50
672	Spermidine, a sensor for antizyme 1 expression regulates intracellular polyamine homeostasis. 2014 , 46, 2005-13	12
671	Oryza sativa polyamine oxidase 1 back-converts tetraamines, spermine and thermospermine, to spermidine. 2014 , 33, 143-51	42

670	Probing the interaction of spermine and 1-naphthyl acetyl spermine with DNA polynucleotides: a comparative biophysical and thermodynamic investigation. 2014 , 10, 1172-83	28
669	Global metabolic network reorganization by adaptive mutations allows fast growth of Escherichia coli on glycerol. 2014 , 5, 3233	59
668	Agmatine abolishes restraint stress-induced depressive-like behavior and hippocampal antioxidant imbalance in mice. 2014 , 50, 143-50	73
667	The mechanism by which MEK/ERK regulates JNK and p38 activity in polyamine depleted IEC-6 cells during apoptosis. 2014 , 19, 467-79	23
666	Formation, Degradation, and Detoxification of Putrescine by Foodborne Bacteria: A Review. 2014 , 13, 1012-1030	89
665	Signals of aging associated with lower growth rates in Kluyveromyces lactis cultures under nitrogen limitation. 2014 , 60, 605-12	O
664	Design and syntheses of novel fluorescent organosilicon-based chemosensors through click silylation: detection of biogenic amines. 2014 , 4, 36834-36844	36
663	Targeting double-stranded RNA with spermine, 1-naphthylacetyl spermine and spermidine: a comparative biophysical investigation. 2014 , 118, 11050-64	18
662	Polyamine transporters and polyamines increase furfural tolerance during xylose fermentation with ethanologenic Escherichia coli strain LY180. 2014 , 80, 5955-64	20
661	Two mechanisms for putrescine-dependent transcriptional expression of the putrescine aminotransferase gene, ygjG, in Escherichia coli. 2014 , 196, 611-8	1
660	Antizyme (AZ) regulates intestinal cell growth independent of polyamines. 2014, 46, 2231-9	8
659	Epigenetics and suicidal behavior research pathways. 2014 , 47, S144-51	35
658	Polyaminooligonucleotide: NMR structure of duplex DNA containing a nucleoside with spermine residue, N-[4,9,13-triazatridecan-1-yl]-2'-deoxycytidine. 2014 , 1840, 1163-70	9
657	Polyamine modification by acrolein exclusively produces 1,5-diazacyclooctanes: a previously unrecognized mechanism for acrolein-mediated oxidative stress. 2014 , 12, 5151-7	15
656	Vibrio cholerae NspS, a homologue of ABC-type periplasmic solute binding proteins, facilitates transduction of polyamine signals independent of their transport. 2014 , 160, 832-843	29
655	siRNA delivery to the lung: what's new?. 2014 , 75, 112-28	93
654	Putrescine reduces antibiotic-induced oxidative stress as a mechanism of modulation of antibiotic resistance in Burkholderia cenocepacia. 2014 , 58, 4162-71	32
653	Influence of oligospermines architecture on their suitability for siRNA delivery. 2014 , 15, 1299-310	19

652	Structural and degradative aspects of ornithine decarboxylase antizyme inhibitor 2. 2014 , 4, 510-21	9
651	Arabidopsis mutant plants with diverse defects in polyamine metabolism show unequal sensitivity to exogenous cadaverine probably based on their spermine content. 2014 , 20, 151-9	20
650	Amino Acids and Polyamines: Polyfunctional Proteins, Metabolic Cycles, and Compartmentation. 2014 , 339-358	2
649	Structural basis of Ornithine Decarboxylase inactivation and accelerated degradation by polyamine sensor Antizyme1. 2015 , 5, 14738	17
648	Mudd's disease (MAT I/III deficiency): a survey of data for MAT1A homozygotes and compound heterozygotes. 2015 , 10, 99	33
647	Release of ecologically relevant metabolites by the cyanobacterium Synechococcus elongates CCMP 1631. 2015 , 17, 3949-63	53
646	Identification of polyamine-responsive bacterioplankton taxa in South Atlantic Bight. 2015 , 7, 831-8	9
645	Structurally Diverse Polyamines: Solid-Phase Synthesis and Interaction with DNA. 2015 , 16, 1811-9	7
644	Polyamines in macroalgae: advances and future perspectives. 2015 , 51, 838-49	11
643	Tissue and plasma putrescine levels in non-survivors of sepsis in a fluid-resuscitated rat model of faecal peritonitis. 2015 , 3,	78
642	The polyamine spermine induces the unfolded protein response via the MAPK cascade in Arabidopsis. 2015 , 6, 687	11
641	Agmatine protects Mfler cells from high-concentration glucose-induced cell damage via N-methyl-D-aspartic acid receptor inhibition. 2015 , 12, 1098-106	10
640	Acute and subchronic effects on immune responses of carp (Cyprinus carpio L.) after exposure to deoxynivalenol (DON) in feed. 2015 , 31, 151-64	23
639	Protein Synthesis and Polyamines in Thermophiles: Effect of Polyamines on Nucleic Acid Maintenance and Gene Expression. 2015 , 143-152	1
638	Arginase inhibition prevents bleomycin-induced pulmonary hypertension, vascular remodeling, and collagen deposition in neonatal rat lungs. 2015 , 308, L503-10	30
637	A Nascent Peptide Signal Responsive to Endogenous Levels of Polyamines Acts to Stimulate Regulatory Frameshifting on Antizyme mRNA. 2015 , 290, 17863-17878	15
636	Uncovering protein polyamination by the spermine-specific antiserum and mass spectrometric analysis. 2015 , 47, 469-81	13
635	Dual Regulatory Role of Polyamines in Adipogenesis. 2015 , 290, 27384-27392	16

634	Different sensitivity levels to norspermidine on biofilm formation in clinical and commensal Staphylococcus epidermidis strains. 2015 , 79, 8-16	14
633	The role of nitrogen in leaf senescence of summer maize and analysis of underlying mechanisms using comparative proteomics. 2015 , 233, 72-81	23
632	Revealing DNA interactions with exogenous agents by surface-enhanced Raman scattering. 2015 , 137, 469-76	77
631	Comparative genomic analyses of transport proteins encoded within the genomes of Leptospira species. 2015 , 88, 52-64	7
630	Rapid NMR screening of RNA secondary structure and binding. 2015 , 63, 67-76	40
629	A Green Solvent Induced DNA Package. 2015 , 5,	29
628	Photophysical properties and photodynamic therapy effect of zinc phthalocyanine-spermine-single walled carbon nanotube conjugate on MCF-7 breast cancer cell line. 2015 , 204, 122-132	36
627	Depletion of the polyamines spermidine and spermine by overexpression of spermidine/spermine NI-acetyltransferase 1 (SAT1) leads to mitochondria-mediated apoptosis in mammalian cells. 2015 , 468, 435-47	31
626	Whole-genome sequencing of Bacillus subtilis XF-1 reveals mechanisms for biological control and multiple beneficial properties in plants. 2015 , 42, 925-37	27
625	Spermine reverses lipopolysaccharide-induced memory deficit in mice. 2015 , 12, 3	58
624	Disruption of Proline Synthesis in Melanoma Inhibits Protein Production Mediated by the GCN2 Pathway. 2015 , 13, 1408-20	37
623	Spermine either delays or promotes cell death in Nicotiana tabacum L. corolla depending on the floral developmental stage and affects the distribution of transglutaminase. 2015 , 241, 11-22	6
622	Characterization of a spermine/spermidine transport system reveals a novel DNA sequence duplication in Neisseria gonorrhoeae. 2015 , 362,	6
621	Polyamines Stimulate the Level of the B8 Subunit (RpoS) of Escherichia coli RNA Polymerase, Resulting in the Induction of the Glutamate Decarboxylase-dependent Acid Response System via the gadE Regulon. 2015 , 290, 17809-17821	20
620	Interaction of polyamines and mTOR signaling in the synthesis of antizyme (AZ). 2015, 27, 1850-9	12
619	Novel protein-protein interaction between spermidine synthase and S-adenosylmethionine decarboxylase from Leishmania donovani. 2015 , 456, 637-42	9
618	A review: fabrication of porous polyurethane scaffolds. 2015 , 48, 586-91	213
617	Effects of amide side chains on nanoassembly formation and gelation of FmocDaline conjugates. 2015 , 271, 76-87	7

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616	Exclusive formation of imino[4 + 4]cycloaddition products with biologically relevant amines: plausible candidates for acrolein biomarkers and biofunctional modulators. 2015 , 6, 431-436	17
615	Agmatine induces Nrf2 and protects against corticosterone effects in hippocampal neuronal cell line. 2015 , 51, 1504-19	44
614	Self-immolative polycations as gene delivery vectors and prodrugs targeting polyamine metabolism in cancer. 2015 , 12, 332-41	15
613	The Dysregulation of Polyamine Metabolism in Colorectal Cancer Is Associated with Overexpression of c-Myc and C/EBP∄rather than Enterotoxigenic Bacteroides fragilis Infection. 2016 , 2016, 2353560	42
612	Agmatine Ameliorates High Glucose-Induced Neuronal Cell Senescence by Regulating the p21 and p53 Signaling. 2016 , 25, 24-32	13
611	Cell Proliferation in Neuroblastoma. 2016 , 8,	22
610	Kainate receptor pore-forming and auxiliary subunits regulate channel block by a novel mechanism. 2016 , 594, 1821-40	12
609	Naturally occurring branched-chain polyamines induce a crosslinked meshwork structure in a giant DNA. 2016 , 145, 235103	16
608	Two stems with different characteristics and an internal loop in an RNA aptamer contribute to spermine-binding. 2017 , 161, 197-206	7
607	Polyamine transporter in Streptococcus pneumoniae is essential for evading early innate immune responses in pneumococcal pneumonia. 2016 , 6, 26964	16
606	Regulation of Gastrointestinal Mucosal Growth, Second Edition. 2016 , 8, i-132	1
605	Silver colloids as plasmonic substrates for direct label-free surface-enhanced Raman scattering analysis of DNA. 2016 , 141, 5170-80	39
604	Effects of agmatine on secretion of interferon tau and catecholamines and expression of genes related to production of polyamines by ovine trophectoderm cells. 2016 , 48, 2389-99	10
603	The mechanisms of low nitrogen induced weakened photosynthesis in summer maize (Zea mays L.) under field conditions. 2016 , 105, 118-128	38
602	Complexes of biogenic amines in their role in living systems. 2016 , 1,	1
601	Recent Advances in the Determination of Biogenic Amines in Food Samples by (U)HPLC. 2016 , 64, 7667-7678	40
600	Molecular Recognition of tRNA with 1-Naphthyl Acetyl Spermine, Spermine, and Spermidine: A Thermodynamic, Biophysical, and Molecular Docking Investigative Approach. 2016 , 120, 10871-10884	1
599	Spermidine Inversely Influences Surface Interactions and Planktonic Growth in Agrobacterium tumefaciens. 2016 , 198, 2682-91	19

598	3D-Membrane Stacks on Supported Membranes Composed of Diatom Lipids Induced by Long-Chain Polyamines. 2016 , 32, 10144-10152	11
597	The SAC51 Family Plays a Central Role in Thermospermine Responses in Arabidopsis. 2016 , 57, 1583-92	22
596	Polyamines as new cationic plasticizers for pectin-based edible films. 2016 , 153, 222-228	20
595	Aliphatic Polyamine Oxidation Reaction Mechanism at Boron-doped Microcrystalline and Ultrananocrystalline Diamond Electrodes. 2016 , 28, 151-160	4
594	Effects of norspermidine on Pseudomonas aeruginosa biofilm formation and eradication. 2016 , 5, 402-12	48
593	Biosynthesis of polyamines and polyamine-containing molecules. 2016 , 473, 2315-29	87
592	Ornithine and Lysine Alkaloids. 2016 , 381-430	0
591	Characterization and redox regulation of Plasmodium falciparum methionine adenosyltransferase. 2016 , 160, 355-367	7
590	1,5-Diazacyclooctanes, as Exclusive Oxidative Polyamine Metabolites, Inhibit Amyloid-(1-40) Fibrillization. 2016 , 3, 1600082	14
589	Direct evidence for sequence-dependent attraction between double-stranded DNA controlled by methylation. 2016 , 7, 11045	51
588	Agmatine, a potential novel therapeutic strategy for depression. 2016 , 26, 1885-1899	28
5 ⁸ 7	Continuous Fluorescence Assays for Reactions Involving Adenine. 2016 , 88, 11860-11867	6
586	3. Complexes of biogenic amines in their role in living systems.	1
585	Interactions of diamines with adenosine-5'-triphosphate (ATP) in the systems including copper(II) ions. 2016 , 162, 73-82	8
584	Polyamines in Eukaryotes, Bacteria, and Archaea. 2016 , 291, 14896-903	140
583	Comparative analyses of transport proteins encoded within the genomes of Leptospira species. 2016 , 98, 118-31	4
582	Targeting of 1-Naphthyl acetyl spermine to DNA: A calorimetric and spectroscopic investigation. 2016 , 94, 52-60	4
581	Spermine cycling in mitochondria is mediated by adenine nucleotide translocase activity: mechanism and pathophysiological implications. 2016 , 48, 2327-37	4

580	The potential role of polyamines in gill epithelial remodeling during extreme hypoosmotic challenges in the Gulf killifish, Fundulus grandis. 2016 , 194-195, 39-50	7
579	Interactions of a water-soluble calix[4]arene with spermine: solution and solid-state characterisation. 2016 , 28, 499-505	15
578	A novel self-assembled platform for the ratiometric fluorescence detection of spermine. 2016 , 52, 1040-3	34
577	Modulation of learning and memory by natural polyamines. 2016 , 112, 99-118	51
576	The role of the calcium-sensing receptor in gastrointestinal inflammation. 2016 , 49, 44-51	31
575	The many roles of glutamate in metabolism. 2016 , 43, 419-30	55
574	Agmatine, by Improving Neuroplasticity Markers and Inducing Nrf2, Prevents Corticosterone-Induced Depressive-Like Behavior in Mice. 2016 , 53, 3030-3045	70
573	Silicon-mediated changes in polyamines participate in silicon-induced salt tolerance in Sorghum bicolor L. 2016 , 39, 245-58	111
572	Role of tissue transglutaminase-2 (TG2)-mediated aminylation in biological processes. 2017 , 49, 501-515	26
571	Gill (Na+, K+)-ATPase from the Amazon River shrimp, Macrobrachium amazonicum (Decapoda, Palaemonidae): effect of exogenous biogenic amines on enzyme activity in juveniles and adults. 2017 , 789, 59-76	7
570	Spermine Condenses DNA, but Not RNA Duplexes. 2017 , 112, 22-30	38
569	Effects of spermidine and ATP on stabilities of chromatosomes and histone H1-depleted chromatosomes. 2017 , 27, 1149-1153	4
568	Exploring polyamine metabolism of Alternaria alternata to target new substances to control the fungal infection. 2017 , 65, 193-204	16
567	Development of C60-based labeling reagents for the determination of low-molecular-weight compounds by matrix assisted laser desorption ionization mass (I): Determination of amino acids in microliter biofluids. 2017 , 960, 90-100	12
566	ALDH2-deficiency as genetic epidemiologic and biochemical model for the carcinogenicity of acetaldehyde. 2017 , 86, 128-136	20
565	Polyamines regulate phosphorylation-dephosphorylation kinetics in a crustacean gill (Na, K)-ATPase. 2017 , 429, 187-198	8
564	Exploiting hydrogen bonding interactions to probe smaller linear and cyclic diamines binding to G-quadruplexes: a DFT and molecular dynamics study. 2017 , 19, 11474-11484	9
563	Two decades of antifilarial drug discovery: a review. 2017 , 7, 20628-20666	9

562	Complexes of polyamines and their derivatives as living system active compounds. 2017, 351, 32-44	18
561	-Methyl-d-Aspartate (NMDA) Receptor Blockade Prevents Neuronal Death Induced by Zika Virus Infection. 2017 , 8,	48
560	Slow-release L-cysteine capsule prevents gastric mucosa exposure to carcinogenic acetaldehyde: results of a randomised single-blinded, cross-over study of Helicobacter-associated atrophic gastritis. 2017 , 52, 230-237	5
559	Characterization of bioactive constituents from the gum resin of Gardenia lucida and its pharmacological potential. 2017 , 85, 444-456	16
558	Therapeutic potential of agmatine for CNS disorders. 2017 , 108, 318-331	29
557	Histone deacetylase 10 structure and molecular function as a polyamine deacetylase. 2017 , 8, 15368	88
556	In vitro studies of DNA condensation by bridging protein in a crowding environment. 2017 , 103, 845-853	8
555	Polyamine-modified near-infrared cyanine dyes for targeting the nuclei and nucleoli of cells. 2017 , 145, 80-94	6
554	Antiproliferative and antimicrobial efficacy of the compounds isolated from the roots of Oenothera biennis L. 2017 , 69, 1230-1243	26
553	The effects of hydroalcoholic extracts of Withania somnifera root, Withania coagulans fruit and 1,25-dihydroxycholecalciferol on immune response and small intestinal morphology of broiler chickens. 2017 , 45, 591-597	5
552	Expression of ODC1, SPD, SPM and AZIN1 in the hypothalamus, ovary and uterus during rat estrous cycle. 2017 , 246, 9-22	8
551	Molecular characterization and homology modeling of spermidine synthase from Synechococcus sp. PCC 7942. <i>World Journal of Microbiology and Biotechnology</i> , 2017 , 33, 72	1
550	Imidazoline I receptors: An update. 2017 , 178, 48-56	39
549	Self-immolative nanoparticles for simultaneous delivery of microRNA and targeting of polyamine metabolism in combination cancer therapy. 2017 , 246, 110-119	58
548	Heat Capacity Changes for Transition-State Analogue Binding and Catalysis with Human 5'-Methylthioadenosine Phosphorylase. 2017 , 12, 464-473	11
547	Gill Ion Transport ATPases and Ammonia Excretion in Aquatic Crustaceans. 2017, 61-107	9
546	Key role of local acetaldehyde in upper GI tract carcinogenesis. 2017 , 31, 491-499	19
545	Crystallinity of Double-Stranded RNA-Antimicrobial Peptide Complexes Modulates Toll-Like Receptor 3-Mediated Inflammation. 2017 , 11, 12145-12155	22

(2017-2017)

544	Identification of the actual coding region for polyamine oxidase 6 from rice (OsPAO6) and its partial characterization. 2017 , 12, e1359456	7
543	The inhibition of inducible nitric oxide synthase and oxidative stress by agmatine attenuates vascular dysfunction in rat acute endotoxemic model. 2017 , 55, 74-80	18
542	Copper(II) ions interactions in the systems with triamines and ATP. Potentiometric and spectroscopic studies. 2017 , 177, 89-100	8
541	Identification of a novel acetylated form of branched-chain polyamine from a hyperthermophilic archaeon Thermococcus kodakarensis. 2017 , 81, 1845-1849	4
540	Chiral Mesoporous Silica Materials. 2017 , 121-177	
539	Polyamines, folic acid supplementation and cancerogenesis. 2017 , 28, 115-131	8
538	Spermine synthase deficiency causes lysosomal dysfunction and oxidative stress in models of Snyder-Robinson syndrome. 2017 , 8, 1257	36
537	Changes in paracellular permeability induced by Pepsin-Trypsin digested Gliadin (PTG): Role of polyamines in the Lactobacillus rhamnosus GG protective action. 2017 , 36, 52-62	2
536	Heterologous expression of the yeast Tpo1p or Pdr5p membrane transporters in Arabidopsis confers plant xenobiotic tolerance. 2017 , 7, 4529	8
535	Arginase Is Essential for Survival of Leishmania donovani Promastigotes but Not Intracellular Amastigotes. 2017 , 85,	42
534	Proteomic and transcriptomic investigations on cold-responsive properties of the psychrophilic Antarctic bacterium Psychrobacter sp. PAMC 21119 at subzero temperatures. 2017 , 19, 628-644	32
533	Hepatocytes cocultured with Sertoli cells in bioreactor favors Sertoli barrier tightness in rat. 2017 , 37, 287-295	8
532	Involvement of Carrier-Mediated Transport at the Blood-Cerebrospinal Fluid Barrier in Spermine Clearance from Rat Brain. 2017 , 40, 1599-1603	3
531	Zearalenone (ZEN) and Its Influence on Regulation of Gene Expression in Carp (Cyprinus carpio L.) Liver Tissue. 2017 , 9,	16
530	Plasticizing Effects of Polyamines in Protein-Based Films. 2017 , 18,	14
529	l-Arginine Uptake by Cationic Amino Acid Transporter Promotes Intra-Macrophage Survival of by Enhancing Arginase-Mediated Polyamine Synthesis. 2017 , 8, 839	18
528	Health Benefits of Bovine Colostrum in Children and Adults. 2017 , 3-20	8
527	1.24 Degradable Polymers. 2017 , 516-553	O

526	Biophysical characterization of the DNA interaction with the biogenic polyamine putrescine: A´single molecule study. 2018 , 112, 175-178	11
525	Putrescine as indicator of manganese neurotoxicity: Dose-response study in human SH-SY5Y cells. 2018 , 116, 272-280	9
524	Influence of copper(II) ions on the noncovalent interactions between cytidine-5'-diphosphate or cytidine-5'-triphosphate and biogenic amines putrescine or spermidine. 2018 , 184, 27-33	2
523	Effects of Bisphenol-A on proliferation and expression of genes related to synthesis of polyamines, interferon tau and insulin-like growth factor 2 by ovine trophectoderm cells. 2018 , 78, 90-96	6
522	pH gradient-liquid chromatography tandem mass spectrometric assay for determination of underivatized polyamines in cancer cells. 2018 , 1085, 21-29	4
521	Interplay Between Metabolic Sensors and Immune Cell Signaling. 2018 , 109, 115-196	1
520	Polyamines and Their Metabolic Engineering for Plant Salinity Stress Tolerance. 2018, 339-358	9
519	Methionine is required for cAMP-PKA-mediated morphogenesis and virulence of Candida albicans. 2018 , 108, 258-275	15
518	The Function of Emulsions on the Biogenic Amine Formation and their Indices of Sea Bass Fillets (Dicentrarchus Labrax) Stored in Vacuum Packaging. 2018 , 83, 318-325	6
517	Decreased plasma agmatine levels in autistic subjects. 2018 , 125, 735-740	7
516	Biochemical and biophysical insights into the metal binding spectrum and bioactivity of arginase of Entamoeba histolytica. 2018 , 10, 623-638	7
515	Polyamines Regulate Strawberry Fruit Ripening by Abscisic Acid, Auxin, and Ethylene. 2018 , 177, 339-351	75
514	Polyamine Deacetylase Structure and Catalysis: Prokaryotic Acetylpolyamine Amidohydrolase and Eukaryotic HDAC10. 2018 , 57, 3105-3114	17
513	Ameliorative role of salicylic acid and spermidine in the presence of excess salt in Lycopersicon esculentum. 2018 , 56, 750-762	16
512	Analysis of Cotranslational Polyamine Sensing During Decoding of ODC Antizyme mRNA. 2018 , 1694, 309-323	1
511	Spatiotemporal distribution and microbial assimilation of polyamines in a mesotrophic lake. 2018 , 63, 816-832	9
510	A Hypothesis: Moderate Consumption of Alcohol Contributes to Lower Prevalence of Type 2 Diabetes Due to the Scavenging of Alpha-Dicarbonyls by Dietary Polyphenols. 2018 , 21, 389-404	2
509	Spermidine induced aggregation of terphenyl derivative: An efficient probe for detection of spermidine in living cells. 2018 , 258, 841-849	8

Expression and distribution patterns of spermine, spermidine, and putrescine in rat hair follicle. **2018**, 149, 161-167

	20.2, 1.5, 10.	
507	GG Protects the Epithelial Barrier of Wistar Rats from the Pepsin-Trypsin-Digested Gliadin (PTG)-Induced Enteropathy. 2018 , 10,	30
506	Polyamine synthesis as a target of oncogenes. 2018 , 293, 18757-18769	56
505	Hypusine, a polyamine-derived amino acid critical for eukaryotic translation. 2018 , 293, 18710-18718	62
504	Major depression model induced by repeated and intermittent lipopolysaccharide administration: Long-lasting behavioral, neuroimmune and neuroprogressive alterations. 2018 , 107, 57-67	31
503	Cancer pharmacoprevention: Targeting polyamine metabolism to manage risk factors for colon cancer. 2018 , 293, 18770-18778	41
502	Enzymatic Transition States and Drug Design. 2018, 118, 11194-11258	42
501	Polyamines and potassium channels: A 25-year romance. 2018 , 293, 18779-18788	34
500	Polyamine-mediated channel block of ionotropic glutamate receptors and its regulation by auxiliary proteins. 2018 , 293, 18789-18802	24
499	The Spermine Synthase OsSPMS1 Regulates Seed Germination, Grain Size, and Yield. 2018 , 178, 1522-1536	8
498	Exogenous putrescine affects polyamine and arginine metabolism in rat liver following bile ductus ligation. 2018 , 96, 1232-1237	1
497	Effects of Watermelon Powder and l-arginine Supplementation on Azoxymethane-Induced Colon Carcinogenesis in Rats. 2018 , 70, 938-945	3
496	Genome-wide identification of genes involved in polyamine biosynthesis and the role of exogenous polyamines in Malus hupehensis Rehd. under alkaline stress. 2018 , 669, 52-62	8
495	Metabolomics for the Effect of Biotin and Nicotinamide on Transition Dairy Cows. 2018 , 66, 5723-5732	10
494	Branched-Chain Polyamine Found in Hyperthermophiles Induces Unique Temperature-Dependent Structural Changes in Genome-Size DNA. 2018 , 19, 2299-2304	19
493	Higher spermidine intake is linked to lower mortality: a prospective population-based study. 2018 , 108, 371-380	101
492	Activation of ornithine decarboxylase protects against methylmercury toxicity by increasing putrescine. 2018 , 356, 120-126	4
491	Systematic analysis of biological roles of charged amino acid residues located throughout the structured inner wall of a virus capsid. 2018 , 8, 9543	3

490	Metabolomics in Radiation-Induced Biological Dosimetry: A Mini-Review and a Polyamine Study. 2018 , 8,	5
489	Peptide-Induced DNA Condensation into Virus-Mimicking Nanostructures. 2018 , 10, 24349-24360	20
488	Role of Polyamines in Asthma Pathophysiology. 2018 , 6,	5
487	Controlling the regioselectivity and stereospecificity of FAD-dependent polyamine oxidases with the use of amine-attached guide molecules as conformational modulators. 2018 , 38,	2
486	A Novel Polyamine-Targeted Therapy for BRAF Mutant Melanoma Tumors. 2018 , 6,	7
485	The Involvement of Agmatine in Individual Pain Sensitivity. 2018 , 12, 41-47	
484	Local Acetaldehyde-An Essential Role in Alcohol-Related Upper Gastrointestinal Tract Carcinogenesis. 2018 , 10,	37
483	Effects of polyamines on protein synthesis and growth of. 2018 , 293, 18702-18709	36
482	Opposite effect of polyamines on In vitro gene expression: Enhancement at low concentrations but inhibition at high concentrations. 2018 , 13, e0193595	23
481	Essential, deadly, enigmatic: Polyamine metabolism and roles in fungal cells. 2019 , 33, 47-57	22
480	Supramolecular trap for catching polyamines in cells as an anti-tumor strategy. 2019 , 10, 3546	46
479	Transcriptome Analysis of Acid-Responsive Genes and Pathways Involved in Polyamine Regulation in Iron Walnut. 2019 , 10,	3
478	Spermine in semen of male sea lamprey acts as a sex pheromone. 2019 , 17, e3000332	19
477	Spermidine/spermine-N-acetyltransferase ablation impacts tauopathy-induced polyamine stress response. 2019 , 11, 58	13
476	Polyamine Oxidases Play Various Roles in Plant Development and Abiotic Stress Tolerance. 2019 , 8,	24
475	Changes in intracellular and extracellular free polyamines during the growth cycle of Prorocentrum donghaiense. 2019 , 344, 012060	
474	Elevation of cellular Mg levels by the Mg transporter, Alr1, supports growth of polyamine-deficient cells. 2019 , 294, 17131-17142	1
473	Structure and Function of the Acetylpolyamine Amidohydrolase from the Deep Earth Halophile. 2019 , 58, 3755-3766	3

472	Polyamines alleviate the inhibitory effect of the DNA cross-linking agent mitomycin C on root growth. 2019 , 14, 1659687		1
471	Grain free diets for utility dogs during training work: Evaluation of the nutrient digestibility and faecal characteristics. 2019 , 5, 297-306		7
470	Spermidine strongly increases the fidelity of CRISPR Cas1-Cas2 integrase. 2019 , 294, 11311-11322		2
469	Absolute requirement for polyamines for growth of Escherichia coli mutants (mnmE/G) defective in modification of the wobble anticodon of transfer-RNA. 2019 , 366,		5
468	Polyamine-induced, chiral expression from liquid crystalline peptide nanofilaments to long-range ordered nanohelices. <i>Soft Matter</i> , 2019 , 15, 4818-4826	3.6	4
467	Structural insights into Entamoeba histolytica arginase and structure-based identification of novel non-amino acid based inhibitors as potential antiamoebic molecules. 2019 , 286, 4135-4155		26
466	Conservation of Thermospermine Synthase Activity in Vascular and Non-vascular Plants. 2019 , 10, 663		9
465	Neuroprotective offerings by agmatine. 2019 , 73, 228-245		16
464	A Polyamine Oxidase from (SelPAO5) can Replace AtPAO5 in through Converting Thermospermine to Norspermidine instead to Spermidine. 2019 , 8,		4
463	Dark-field microscopy for characterization of single molecule dynamics in vitro and in vivo. 2019 , 11, 2778-2784		2
462	Molecular characterization of recombinant arginase of Leishmania donovani. 2019 , 159, 1-9		
461	Magnesium enhances dehydration tolerance in Schizosaccharomyces pombe by promoting intracellular 5'-methylthioadenosine accumulation. 2019 , 36, 449-461		1
460	Selective Inhibitors of Helicobacter pylori Methylthioadenosine Nucleosidase and Human Methylthioadenosine Phosphorylase. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 3286-3296	8.3	7
459	Salicylic acid induces amelioration of chromium toxicity and affects antioxidant enzyme activity in Sorghum bicolor L. 2019 , 21, 293-304		15
458	Crystal structure of dimeric spermidine synthase with bound polyamine substrate and product. 2019 , 476, 1009-1020		4
457	Changes in L-arginine metabolism by Sema4D deficiency induce promotion of microglial proliferation in ischemic cortex. 2019 , 406, 420-431		5
456	Dietary and Gut Microbiota Polyamines in Obesity- and Age-Related Diseases. 2019, 6, 24		70
455	Metabolomic study of polyamines in rat urine following intraperitoneal injection of Ehydroxybutyric acid. 2019 , 15, 58		7

454	Colorimetric detection of spermine and spermidine by zincon in aqueous solution. 2019 , 60, 151302	5
453	Experimental and computational studies of noncovalent interactions in the metal-free ternary LysEnATP system. 2019 , 43, 16898-16906	2
452	Binding of -Acetylspermidine Analogues to Histone Deacetylase 10 Reveals Molecular Strategies for Blocking Polyamine Deacetylation. 2019 , 58, 4957-4969	9
451	Specific effects of antitumor active norspermidine on the structure and function of DNA. 2019 , 9, 14971	13
450	The functional role of polyamines in eukaryotic cells. 2019 , 107, 104-115	50
449	Polyamines in Microalgae: Something Borrowed, Something New. 2018 , 17,	93
448	The structure of the SAM/SAH-binding riboswitch. 2019 , 47, 2654-2665	18
447	Metabolomic approaches to polyamines including acetylated derivatives in lung tissue of mice with asthma. 2019 , 15, 8	6
446	Salt Induced Structural Collapse, Swelling, and Signature of Aggregation of Two ssDNA Strands: Insights from Molecular Dynamics Simulation. 2019 , 123, 47-56	10
445	Repulsive/attractive interaction among compact DNA molecules as judged through laser trapping: difference between linear- and branched-chain polyamines. 2019 , 297, 397-407	4
444	S-Adenosylmethionine (SAMe). 2019 , 11-17	1
443	The therapeutic and nutraceutical potential of agmatine, and its enhanced production using Aspergillus oryzae. 2020 , 52, 181-197	14
442	Immunological blocking of spermidine-mediated host-pathogen communication provides effective control against Pseudomonas aeruginosa infection. 2020 , 13, 87-96	7
441	Functional involvement of acid-sensing ion channel 3 in the swallowing reflex in rats. 2020 , 32, e13728	4
440	Branched-chain polyamine stabilizes RNA polymerase at elevated temperatures in hyperthermophiles. 2020 , 52, 275-285	4
439	Density functional calculations on the structural and vibrational properties of 1,4-diaminobutane. 2020 , 1199, 126974	2
438	Interactions between the 5' UTR mRNA of the gene and spermidine regulate translation in. 2020 , 26, 137-149	2
437	Effects of agmatine, glutamate, arginine, and nitric oxide on executive functions in children with attention deficit hyperactivity disorder. 2020 , 127, 1675-1684	2

(2020-2020)

436	Iron is not everything: unexpected complex metabolic responses between iron-cycling microorganisms. 2020 , 14, 2675-2690		2
435	Polyamines and its analogue modulates amyloid fibrillation in lysozyme: A comparative investigation. 2020 , 1864, 129557		3
434	The effects of L-Arginine supplementation on growth performance and intestinal health of broiler chickens challenged with Eimeria spp. 2020 , 99, 5844-5857		8
433	The Role of Epigenetic Dysregulation in Suicidal Behaviors. 2020 , 46, 41-61		4
432	Molecular Mechanisms Involved in the Multicellular Growth of Ustilaginomycetes. <i>Microorganisms</i> , 2020 , 8,	4.9	3
431	Biogenic Polyamines Influence the Antibiotic Susceptibility and Cell-Surface Properties of Mycobacterium smegmatis. 2020 , 56, 387-394		2
430	Three Related Enzymes in Candida albicans Achieve Arginine- and Agmatine-Dependent Metabolism That Is Essential for Growth and Fungal Virulence. 2020 , 11,		3
429	Polyamines in Gut Epithelial Renewal and Barrier Function. 2020 , 35, 328-337		9
428	A gas pressure and colorimetric signal dual-mode strategy for sensitive detection of spermine using ssDNA-coated Au@Pt nanoparticles as the probe. 2020 , 145, 7673-7679		2
427	Ectopic expression of GhSAMDC improved plant vegetative growth and early flowering through conversion of spermidine to spermine in tobacco. 2020 , 10, 14418		1
426	Spermidine attenuates bleomycin-induced lung fibrosis by inducing autophagy and inhibiting endoplasmic reticulum stress (ERS)-induced cell death in mice. 2020 , 52, 2034-2045		14
425	Extensive Chemometric Investigations of Distinctive Patterns and Levels of Biogenic Amines in Fermented Foods: Human Health Implications. 2020 , 9,		1
424	Plant Derived Natural Products against and : Antibiofilm Activity and Molecular Mechanisms. 2020 , 25,		17
423	The unknown soldier in citrus plants: polyamines-based defensive mechanisms against biotic and abiotic stresses and their relationship with other stress-associated metabolites. 2020 , 15, 1761080		2
422	Putrescine regulates nitric oxide accumulation in Ganoderma lucidum partly by influencing cellular glutamine levels under heat stress. 2020 , 239, 126521		4
421	Translation efficiency affects the sequence-independent +1 ribosomal frameshifting by polyamines. 2020 , 168, 139-149		O
420	Molecular ring toss of circular BAC DNA using micropillar array for single-molecule studies. 2020 , 14, 014115		1
419	Metatranscriptomic identification of polyamine-transforming bacterioplankton in the Gulf of Mexico. 2020 , 12, 258-266		3

418	KLF4 is required for suppression of histamine synthesis by polyamines during bone marrow-derived mast cell differentiation. 2020 , 15, e0229744		4
417	Increased putrescine levels due to ODC1 overexpression prevents mitochondrial dysfunction-related apoptosis induced by methylmercury. 2020 , 256, 118031		1
416	Nutritional Aspects of Spermidine. 2020 , 40, 135-159		12
415	Regulation of the hypothalamic GnRH-GnIH system by putrescine in adult female rats and GT1-7 neuronal cell line. 2020 , 333, 214-229		3
414	Exogenous spermidine improves salt tolerance of pecan-grafted seedlings via activating antioxidant system and inhibiting the enhancement of Na+/K+ ratio. 2020 , 42, 1		5
413	Citrus Polyamines: Structure, Biosynthesis, and Physiological Functions. 2020 , 9,		12
412	Genomic Insights of " Nitrosocaldaceae" Based on Nine New Metagenome-Assembled Genomes, Including " Nitrosothermus" Gen Nov. and Two New Species of " Nitrosocaldus". 2020 , 11, 608832		4
411	Colorimetric chemosensor for spermine based on pyrocatechol violet and anionic phenylboronic acid in aqueous solution. 2021 , 162, 105867		1
410	Evidences for agmatine alterations in A\(\mathbb{H}\) nduced memory impairment in mice. 2021 , 740, 135447		1
409	Solid-Supported Amplification of Aggregation Emission: A Tetraphenylethylene-Cucurbit[6]uril@Hydroxyapatite-Based Supramolecular Sensing Assembly for the Detection of Spermine and Spermidine in Human Urine and Blood 2021 , 4, 1813-1822		8
408	The importance of genetic research on the dominant species of human intestinal indigenous microbiota. 2021 , 40, 19-26		0
407	Herbert Tabor, 1918᠒020: Polyamines, NIH, and the JBC. 2021 , 118, e2023986118		78
406	Amino Acids in the Nutrition and Production of Sheep and Goats. 2021 , 1285, 63-79		6
405	Aberrant AZIN2 and polyamine metabolism precipitates tau neuropathology. 2021, 131,		4
404	Metabolic Alterations Associated with Ehydroxybutyric Acid and the Potential of Metabolites as Biomarkers of Its Exposure. <i>Metabolites</i> , 2021 , 11,	5.6	4
403	Discerning the role of polymicrobial biofilms in the ascent, prevalence, and extent of heteroresistance in clinical practice. 2021 , 47, 162-191		2
402	A multi-omic characterization of temperature stress in a halotolerant Scenedesmus strain for algal biotechnology. 2021 , 4, 333		6
401	A mutagenic screen reveals NspS residues important for regulation of biofilm formation. 2021 , 167,		6

400	Crystal Structure of Agmatinase: Catalytic Mechanism and Residues Relevant for Substrate Specificity. 2021 , 22,	O
399	The SpeG Spermidine/Spermine -Acetyltransferase Allosteric Loop and #6-#7 Structural Elements Are Critical for Kinetic Activity. 2021 , 8, 645768	
398	Comprehensive discovery of novel structured noncoding RNAs in 26 bacterial genomes. 2021 , 18, 2417-2432	6
397	Polyamine Homeostasis in Development and Disease. 2021 , 9,	3
396	TRPC1-mediated Ca signaling enhances intestinal epithelial restitution by increasing 4 association with PP2Ac after wounding. 2021 , 9, e14864	
395	Refractive Index Sensing for Measuring Single Cell Growth. 2021 , 15, 10710-10721	2
394	L.: From Farm to a Source of Bioactive Compounds with Therapeutic Activity. 2021 , 2021, 9965481	2
393	Hyperoxia Inhibits Proliferation of Retinal Endothelial Cells in a Myc-Dependent Manner. 2021, 11,	О
392	Function of Polyamines in Regulating Cell Cycle Progression of Cultured Silkworm Cells. 2021, 12,	1
391	Limited accessibility of nitrogen supplied as amino acids, amides, and amines as energy sources for marine Thaumarchaeota.	О
390	Metagenomes of polyamine-transforming bacterioplankton along a nearshoredpen ocean transect. 1	O
389	Long Tracts of Guanines Drive Aggregation of RNA G-Quadruplexes in the Presence of Spermine. 2021 , 60, 2715-2726	2
388	Arginine Supplementation Promotes Extracellular Matrix and Metabolic Changes in Keratoconus. 7.9	7
387	Ornithine decarboxylase of the fungal pathogen Colletotrichum higginsianum plays an important role in regulating global metabolic pathways and virulence. 2021 ,	3
386	Free spermidine evokes superoxide radicals that manifest toxicity.	
385	Whole genome sequencing of Enterobacter mori, an emerging pathogen of kiwifruit and the potential genetic adaptation to pathogenic lifestyle. 2021 , 11, 129	O
384	Structure and Function of Enzymes Involved in the Biosynthesis of Tropane Alkaloids. 2021, 21-50	
383	Delivery of mRNA Vaccine against SARS-CoV-2 Using a Polyglucin:Spermidine Conjugate. 2021 , 9,	12

382	Enriched metabolites that potentially promote age-associated diseases in subjects with an elderly-type gut microbiota. 2021 , 13, 1-11	5
381	Rice yellow stunt virus activates polyamine biosynthesis to promote viral propagation in insect vectors by disrupting ornithine decarboxylase antienzyme function. 2021 , 64, 1522-1532	1
380	Sustainable Platform Chemicals from Biomass. 2020 , 157-184	1
379	Molecular Pharmacology of Intercalator-Groove Binder Hybrid Molecules. 1994 , 162-196	4
378	Recent Advances in Breeding Barley for Drought and Saline Stress Tolerance. 2007, 603-626	8
377	Introduction: The Journey of the Endocrine Signal: A Paradigm of Murphy® Law. 1987 , 1-34	3
376	Primary and Secondary Metabolism of Polyamines in Plants. 1989 , 329-393	15
375	Some thoughts on the relationship between vitamin A and cancer. 1986 , 206, 379-98	4
374	Regulation of voltage-sensitive Ca2+ channels in bipolar cells by divalent cations and polyamines. 2002 , 514, 275-89	4
373	The role of polyamines in the hormonal control of breast cancer cell proliferation. 1994 , 71, 209-25	7
372	Metabolic role of aldehyde dehydrogenase. 1993 , 328, 5-15	19
371	Polyamine Requirement of Prostate Cancer Cell Proliferation. 1991 , 103-114	4
370	Properties of human and rodent S-adenosylmethionine decarboxylase. 1988 , 250, 101-9	8
369	Growth-regulation of the cellular levels and expression of the mRNA molecules coding for ornithine decarboxylase and S-adenosylmethionine decarboxylase. 1988 , 250, 241-52	3
368	Regulation of protein synthesis by polyamines. 1988 , 250, 315-30	6
367	Ornithine decarboxylase and polyamine biosynthesis in pancreatic adaptation. 1988 , 250, 379-88	1
366	Spermidine in mammalian lymphocytes and sea urchin embryos: uptake and labeling of macromolecules. 1988 , 250, 423-34	2
365	Effect of polyamines on protein kinase C activation process. 1988 , 250, 469-80	4

364	Bidirectional transport of spermine across the inner membrane of liver mitochondria. 1988, 250, 491-6	4
363	Polyamines stimulate the "in vitro" transport of the precursor of ornithine carbamoyltransferase into rat liver mitochondria. 1988 , 250, 497-508	1
362	Phosphorylation by casein kinase-2 and reversible alteration of thiol groups: mechanisms of control of ornithine decarboxylase?. 1988 , 250, 45-53	3
361	Polyamines in growth and differentiation of plant cell cultures: the effect of nitrogen nutrition, salt stress and embryogenic media. 1988 , 250, 559-72	3
360	Relationship between polyamine and ethylene biosynthesis in plants and its significance for morphogenesis in cell cultures. 1988 , 250, 601-16	10
359	Polyamine pools and the control of ornithine decarboxylase activity. 1988 , 250, 627-32	3
358	The role of polyamines in the growth and transformation of the African trypanosome. 1988 , 250, 651-65	4
357	The polyamine metabolism of filarial worms as chemotherapeutic target. 1988 , 250, 737-43	9
356	S-adenosylmethionine decarboxylase from Escherichia coli and from Saccharomyces cerevisiae: cloning and overexpression of the genes. 1988 , 250, 73-9	6
355	Novel fourth binding sites of [3H]spermidine within the NMDA receptor complex. 1991 , 287, 455-75	8
354	Physiological Role of Aldehyde Dehydrogenase (EC 1.2.1.3). 1991 , 101-106	5
353	Regulation of Protein Turnover. 1989 , 183-210	12
352	Post-translational modifications of cellular proteins by polyamines and polyamine-derivatives. 1988 , 231, 185-98	6
351	Post-translational formation of hypusine: biogenesis of translation initiation factor eIF-4D. 1988 , 231, 633-40	6
350	Regulation of growth and differentiation in follicle cells. 1989, 261, 341-56	3
349	The Metabolism and Functions of Methionine. 1986 , 63-120	1
348	Biochemical and Molecular Markers of Cellular Competence for Adventitious Rooting. 1994 , 111-121	10
347	Polyamines and Morphogenesis in Monocots: Experimental Systems and Mechanisms of Action. 1993 , 113-135	3

346	Degradation of Ornithine Decarboxylase. 1998 , 411-428	9
345	Role of the Polyamine Pathway in the Natural History of Breast Cancer. 1999 , 221-230	5
344	Regulation of Kv Channel Activity and Intercellular Junctions by Polyamines in Intestinal Epithelial Cells. 2006 , 363-382	3
343	Regulation of Ornithine Decarboxylase Expression. 2006 , 399-414	1
342	Cellular Signals Mediating Growth Arrest After Polyamine Depletion. 2006, 51-73	1
341	Role of Polyamines in Regulation of Sequence-Specific DNA Binding Activity. 2006 , 91-122	3
340	Signals Modulating Cyclic di-GMP Pathways in Vibrio cholerae. 2020 , 357-378	1
339	Polyamines as markers of malignancy. 1992 , 39, 9-33	19
338	A New Approach to the Pathogenetic Treatment of Psoriasis Using Coenzyme Inhibitors. 1987 , 429-432	2
337	Applications of Permeabilization. 2016 , 201-263	1
336	Plant Growth Regulatory Substances Both of Microbial and Plant Origin. 1991 , 1-49	2
335	Components and control of silicification in diatoms. 2003 , 33, 11-57	28
334	Triple Helix Strategies and Progress. 1998 , 561-610	0
333	In Vitro Cellular Uptake, Distribution, and Metabolism of Oligonucleotides. 1998 , 103-140	4
332	Allgemeines Ber biogene Amine. 1996 , 2-58	2
331	Pharmacological Aspects of Ca-Activated K Conductance in Molluscan Neurons. 1986 , 124-138	2
330	The role of ornithine decarboxylase in c-Myc-induced apoptosis. 1995 , 194, 283-90	28
329	Role of c-myc in myeloid differentiation, growth arrest and apoptosis. 1996 , 211, 17-27	22

328	Role of Polyamines in Somatic Embryogenesis. 1995 , 53-70	36
327	Polyamines and Longevity in Mammals. 2015 , 257-266	1
326	Effects of the polyamine spermine on arterial chemoreception. 2009, 648, 97-104	2
325	An incremental empirical approach to non-covalent interactions in and with DNA. 1996 , 11-25	1
324	Toroidal DNA Condensates; Aspects of Formation, Structures, Dynamics and Biological Implications. 1987 , 137-168	4
323	Biodegradation of inorganic nitrogen compounds. 1994 , 487-512	2
322	Polyamine-derived post-translational modification of glutamine residues in intracellular proteins. 1990 , 821-827	1
321	Liver regeneration following hepatic injury. 1998 , 28-49	3
320	Biological activity of growth factors in vivo. 1998 , 163-182	2
319	Immunocytochemical localization of polyamines in the gastrointestinal tracts of rats and mice. 1996 , 106, 465	1
318	Enzyme Inhibition and Inactivation. 1992 , 146-219	2
317	Trypanosomes Causing Disease in Man in Africa. 1992 , 85-155	1
316	ANDROGENIC REGULATION OF PROSTATIC PROTEIN PHOSPHOKINASES AND PROTEIN PHOSPHORYLATION. 1987 , 237-291	5
315	Inhibition of Basic Amino Acid Decarboxylases Involved in Polyamine Biosynthesis. 1987 , 1-31	27
314	Molecular and Cellular Functions of the Polyamines. 1987 , 79-105	53
313	Polyamine Inhibition in Vivo and in Organ Growth and Repair. 1987 , 141-164	10
312	The Contragestational Effects of Ornithine Decarboxylase Inhibition. 1987, 187-202	3
311	Inhibition of Polyamine Biosynthesis in Microorganisms. 1987 , 259-275	5

310	Inhibition of Viral Polyamine Biosynthesis. 1987, 277-304	3
309	Growth Factors. 1990 , 253-278	2
308	Polyamines and Colon Cancer Cells. 1990 , 279-288	1
307	INHIBITION OF POLYAMINE BIOSYNTHESIS AND FUNCTION AS AN APPROACH TO DRUG DESIGN. 1989 , 157-183	1
306	Hepatocellular Regeneration as a Determinant of Halomethane Hepatotoxicity. 1990 , 1021-1040	1
305	Genes induced by serum growth factors. 1991 , 6, 257-293	63
304	Apoptosis in the Gastrointestinal Tract. 2006 , 345-373	5
303	Development of New Radical Reactions with a Vinylsilyl Group and Their Application to the Synthesis of Branched-Chain Sugar Nucleosides. 2002 , 21-55	О
302	Properties and structure of spermidine acetyltransferase in Escherichia coli 1994 , 269, 22581-22585	47
301	Spermine inhibits the phosphorylation of the 11,000- and 10,000-dalton nuclear proteins catalyzed by nuclear protein kinase NI in NB-15 mouse neuroblastoma cells 1986 , 261, 2890-2896	10
300	Translational regulation of mammalian ornithine decarboxylase by polyamines 1985 , 260, 15390-15393	121
299	Complex interactions at a GC-rich domain regulate cell type-dependent activity of the ornithine decarboxylase promoter 1994 , 269, 7941-7949	20
298	Regulation of S-adenosylmethionine decarboxylase activity in rat liver and prostate 1985 , 260, 9583-9588	40
297	Effect of initiation factor eIF-5A depletion on protein synthesis and proliferation of Saccharomyces cerevisiae 1994 , 269, 3934-3940	209
296	Rapid exchange of subunits of mammalian ornithine decarboxylase 1994 , 269, 3155-3158	57
295	A 13C NMR study of [5,8-13C2]spermidine binding to tRNA and to Escherichia coli macromolecules 1990 , 265, 20874-20878	21
294	Isolation of polyamine transport-deficient mutants of Escherichia coli and cloning of the genes for polyamine transport proteins 1990 , 265, 20893-20897	64
293	Structure and regulation of mammalian S-adenosylmethionine decarboxylase 1988 , 263, 17040-17049	87

292	Polyamines control human chorionic gonadotropin production in the JEG-3 choriocarcinoma cell 1988 , 263, 12765-12769	10
291	Regulation of ornithine decarboxylase and other cell cycle-dependent genes during senescence of IMR-90 human diploid fibroblasts 1988 , 263, 11431-11435	51
290	Control of ornithine decarboxylase activity in alpha-difluoromethylornithine-resistant L1210 cells by polyamines and synthetic analogues 1988 , 263, 11008-11014	50
289	Polyamine-induced B-DNA to Z-DNA conformational transition of a plasmid DNA with (dG-dC)n insert 1991 , 266, 6137-6141	63
288	An early enlargement of the putrescine pool is required for growth in L1210 mouse leukemia cells under hypoosmotic stress 1991 , 266, 6142-6151	23
287	Kinetic and thermodynamic parameters for tRNA binding to the ribosome and for the translocation reaction 1992 , 267, 4703-4712	51
286	Different prooxidant levels stimulate growth, trigger apoptosis, or produce necrosis of insulin-secreting RINm5F cells. The role of intracellular polyamines 1994 , 269, 30553-30560	283
285	Regulation of biosynthesis of hypusine in Chinese hamster ovary cells. Evidence for eIF-4D precursor polypeptides 1987 , 262, 12730-12734	32
284	Aminoacetone oxidase from goat liver. Formation of methylglyoxal from aminoacetone 1987 , 262, 5974-59	77 59
283	Spermidine biosynthesis in Saccharomyces cerevisiae. Biosynthesis and processing of a proenzyme form of S-adenosylmethionine decarboxylase 1990 , 265, 22321-22328	41
282	Antiproliferative effects of inhibitors of deoxyhypusine synthase. Inhibition of growth of Chinese hamster ovary cells by guanyl diamines 1994 , 269, 27827-27832	107
281	Thyroid hormone-dependent differential regulation of multiple arginase genes during amphibian metamorphosis 1994 , 269, 25328-25334	34
280	Cloning and sequencing of the ornithine decarboxylase gene from Trypanosoma brucei. Implications for enzyme turnover and selective difluoromethylornithine inhibition 1987 , 262, 8721-8727	133
279	Ornithine decarboxylase from Neurospora crassa. Purification, characterization, and regulation by inactivation 1987 , 262, 7889-7893	23
278	Molecular mechanisms of the synergistic induction of ornithine decarboxylase by asparagine and glucagon in primary cultured hepatocytes 1987 , 262, 14801-14805	36
277	Role of ornithine decarboxylase on glycolytic enzyme induction during thymocyte proliferation 1987 , 262, 15232-15235	22
276	Mechanism of the irreversible inactivation of mouse ornithine decarboxylase by alpha-difluoromethylornithine. Characterization of sequences at the inhibitor and coenzyme binding sites 1992 , 267, 150-158	149
275	Hypusine formation in eukaryotic initiation factor 4D is not reversed when rates or specificity of protein synthesis is altered 1987 , 262, 16590-16595	17

274	Dominant negative mutants of ornithine decarboxylase. 1992 , 267, 23057-23062	28
273	Insulin induction of ornithine decarboxylase. Importance of mRNA secondary structure and phosphorylation of eucaryotic initiation factors eIF-4B and eIF-4E. 1991 , 266, 2383-2389	133
272	Characteristics of the operon for a putrescine transport system that maps at 19 minutes on the Escherichia coli chromosome 1993 , 268, 146-152	88
271	Estimation of polyamine binding to macromolecules and ATP in bovine lymphocytes and rat liver 1991 , 266, 20803-20809	248
270	Amino acid residues necessary for putrescine stimulation of human S-adenosylmethionine decarboxylase proenzyme processing and catalytic activity 1991 , 266, 18502-18506	42
269	Effect of polyamine depletion on c-myc expression in human colon carcinoma cells 1988 , 263, 5491-5494	63
268	The gene and the primary structure of ornithine decarboxylase from Saccharomyces cerevisiae 1987 , 262, 10127-10133	60
267	Inhibition of translation of mRNAs for ornithine decarboxylase and S-adenosylmethionine decarboxylase by polyamines 1987 , 262, 2427-2430	83
266	Structure-function analysis of three cAMP-independent forms of the cAMP receptor protein 1986 , 261, 16332-16339	57
265	Interactions between spermine and Mg2+ on mitochondrial Ca2+ transport 1986 , 261, 16478-16483	55
264	Spermidine N1-acetyltransferase has a larger role than ornithine decarboxylase in 1	
7	alpha,25-dihydroxyvitamin D3-induced putrescine synthesis 1986 , 261, 11712-11716	22
263		79
	alpha,25-dihydroxyvitamin D3-induced putrescine synthesis 1986 , 261, 11712-11716 Effects of mitogens on ornithine decarboxylase activity and messenger RNA levels in normal and	
263	alpha,25-dihydroxyvitamin D3-induced putrescine synthesis 1986, 261, 11712-11716 Effects of mitogens on ornithine decarboxylase activity and messenger RNA levels in normal and protein kinase C-deficient NIH-3T3 fibroblasts 1986, 261, 10380-10386 Control of ornithine decarboxylase in Chinese hamster ovary cells by polyamines. Translational inhibition of synthesis and acceleration of degradation of the enzyme by putrescine, spermidine,	79
263	alpha,25-dihydroxyvitamin D3-induced putrescine synthesis 1986, 261, 11712-11716 Effects of mitogens on ornithine decarboxylase activity and messenger RNA levels in normal and protein kinase C-deficient NIH-3T3 fibroblasts 1986, 261, 10380-10386 Control of ornithine decarboxylase in Chinese hamster ovary cells by polyamines. Translational inhibition of synthesis and acceleration of degradation of the enzyme by putrescine, spermidine, and spermine 1986, 261, 9502-9508 The mechanisms of ornithine decarboxylase deregulation in c-Ha-ras oncogene-transformed NIH	79 107
263 262 261	alpha,25-dihydroxyvitamin D3-induced putrescine synthesis 1986, 261, 11712-11716 Effects of mitogens on ornithine decarboxylase activity and messenger RNA levels in normal and protein kinase C-deficient NIH-3T3 fibroblasts 1986, 261, 10380-10386 Control of ornithine decarboxylase in Chinese hamster ovary cells by polyamines. Translational inhibition of synthesis and acceleration of degradation of the enzyme by putrescine, spermidine, and spermine 1986, 261, 9502-9508 The mechanisms of ornithine decarboxylase deregulation in c-Ha-ras oncogene-transformed NIH 3T3 cells 1988, 263, 4500-4507 Inhibition of phosphoinositide metabolism in human polymorphonuclear leukocytes by	79 107 83
263262261260	alpha,25-dihydroxyvitamin D3-induced putrescine synthesis 1986, 261, 11712-11716 Effects of mitogens on ornithine decarboxylase activity and messenger RNA levels in normal and protein kinase C-deficient NIH-3T3 fibroblasts 1986, 261, 10380-10386 Control of ornithine decarboxylase in Chinese hamster ovary cells by polyamines. Translational inhibition of synthesis and acceleration of degradation of the enzyme by putrescine, spermidine, and spermine 1986, 261, 9502-9508 The mechanisms of ornithine decarboxylase deregulation in c-Ha-ras oncogene-transformed NIH 3T3 cells 1988, 263, 4500-4507 Inhibition of phosphoinositide metabolism in human polymorphonuclear leukocytes by S-adenosylhomocysteine 1988, 263, 3592-3599 Free and protein-conjugated polyamines in mouse epidermal cells. Effect of high calcium and	79 107 83 18

256	Polylysine specifically activates the insulin-dependent insulin receptor protein kinase. 1989 , 264, 9994-10001	31
255	Polyamines Differentially Modulate the Transcription of Growth-associated Genes in Human Colon Carcinoma Cells. 1989 , 264, 8922-8927	149
254	Rat Ornithine Decarboxylase Gene. 1989 , 264, 9016-9021	69
253	Human aldehyde dehydrogenase. 1989 , 264, 4715-4721	68
252	Crystallization and molecular symmetry of ornithine decarboxylase from Lactobacillus 30a. 1989 , 264, 4722-4724	5
251	Comparison of the activities of variant forms of eIF-4D. The requirement for hypusine or deoxyhypusine. 1991 , 266, 7988-7994	48
250	The Lack of a Role for Protein Kinase C in Neurite Extension and in the Induction of Ornithine Decarboxylase by Nerve Growth Factor in PC12 Cells. 1989 , 264, 3538-3544	62
249	Purification, Characterization, and Rapid Inactivation of Thermolabile Ubiquitin-activating Enzyme from the Mammalian Cell Cycle Mutant ts85. 1989 , 264, 2060-2068	15
248	Sequence Determination and cDNA Cloning of Eukaryotic Initiation Factor 4D, the Hypusine-containing Protein. 1989 , 264, 1578-1583	73
247	Spermidine-induced destabilization of ornithine decarboxylase (ODC) is mediated by accumulation of antizyme in ODC-overproducing variant cells. 1993 , 268, 9393-9399	19
246	Human aldehyde dehydrogenase. Activity with aldehyde metabolites of monoamines, diamines, and polyamines. 1991 , 266, 13011-13018	76
245	Spermidine acetylation in response to a variety of stresses in Escherichia coli. 1991 , 266, 12439-12441	37
244	Site of pyruvate formation and processing of mammalian S-adenosylmethionine decarboxylase proenzyme. 1989 , 264, 21073-21079	66
243	Isolation and expression of a human ornithine decarboxylase gene 1990 , 265, 4884-4892	25
242	Functions of potA and potD proteins in spermidine-preferential uptake system in Escherichia coli 1993 , 268, 19358-19363	65
241	Evidence that spermine, spermidine, and putrescine are transported electrophoretically in mitochondria by a specific polyamine uniporter 1992 , 267, 18393-18397	65
240	Multiple DNA elements responsible for transcriptional regulation of the ornithine decarboxylase gene by protein kinase A 1992 , 267, 18866-18873	32
239	Structure and organization of the human S-adenosylmethionine decarboxylase gene 1992 , 267, 18915-18923	23

238	Influence of the 5'-untranslated region of ornithine decarboxylase mRNA and spermidine on ornithine decarboxylase synthesis 1990 , 265, 13036-13041	60
237	The 5'- and 3'-untranslated regions of ornithine decarboxylase mRNA affect the translational efficiency 1990 , 265, 11810-11816	103
236	Regulation of rat ornithine decarboxylase mRNA translation by its 5'-untranslated region 1990 , 265, 11817-11822	114
235	Trypanosome ornithine decarboxylase is stable because it lacks sequences found in the carboxyl terminus of the mouse enzyme which target the latter for intracellular degradation 1990 , 265, 11823-11826	107
234	Induction of ornithine decarboxylase by nerve growth factor in PC12 cells: dissection by purine analogues 1990 , 265, 11050-11055	20
233	Identification of the polyamine-induced protein as a periplasmic oligopeptide binding protein 1990 , 265, 8387-8391	63
232	Molecular and genetic characterization of an ornithine decarboxylase-deficient Chinese hamster cell line 1990 , 265, 8880-8886	32
231	Mechanism of regulation of ornithine decarboxylase gene expression by asparagine in a variant mouse neuroblastoma cell line 1992 , 267, 6946-6951	21
230	Specific protein binding to a conserved region of the ornithine decarboxylase mRNA 5'-untranslated region 1992 , 267, 7077-7082	28
229	Structural and functional studies on the human interleukin-6 receptor. Binding, cross-linking, internalization, and degradation of interleukin-6 by fibroblasts transfected with human interleukin-6-receptor cDNA. 1991 , 266, 3841-3846	45
228	Regulation of human ornithine decarboxylase expression by the c-Myc.Max protein complex 1993 , 268, 27277-27285	90
227	Effect of mutations at active site residues on the activity of ornithine decarboxylase and its inhibition by active site-directed irreversible inhibitors 1993 , 268, 24572-24579	63
226	Glucocorticoids confer normal serum/growth factor-dependent growth regulation to Fu5 rat hepatoma cells in vitro. Sequential expression of cell cycle-regulated genes without changes in intracellular calcium or pH 1988 , 263, 19296-19302	13
225	On the mechanism of spermine transport in liver mitochondria 1988 , 263, 19407-19411	49
224	Trypanosoma brucei ornithine decarboxylase: enzyme purification, characterization, and expression in Escherichia coli 1988 , 263, 17933-17941	32
223	Putrescine and spermidine control degradation and synthesis of ornithine decarboxylase in Neurospora crassa 1988 , 263, 10005-10008	21
222	Regulation of Saccharomyces cerevisiae ornithine decarboxylase expression in response to polyamine. 1989 , 264, 18110-18118	30
221	Regulation of Eukaryotic Initiation Factor-2B Activity by Polyamines and Amino Acid Starvation in Rabbit Reticulocyte Lysate. 1989 , 264, 21879-21884	19

220	Biochemical Markers in Colorectal Cancer: Diagnostic and Therapeutic Implications. 1988 , 17, 931-940	6
219	Role of Growth Factors in Gastroduodenal Protection and Healing of Peptic Ulcers. 1990 , 19, 41-65	53
218	A novel N-acyl phosphatidylethanolamine-containing delivery vehicle for spermine-condensed plasmid DNA. 7, 769-783	1
217	Chapter 11:Clinical Applications of Polyamine-Based Therapeutics. 2011 , 257-276	3
216	Epidermal growth factor-stimulated rabbit oesophageal mucosal growth: Role of polyamines. 1998 , 13, S149-S155	2
215	Lysophosphatidylcholine regulates cationic amino acid transport and metabolism in vascular smooth muscle cells. Role in polyamine biosynthesis. 1997 , 272, 30154-9	40
214	The ornithine decarboxylase gene of Caenorhabditis elegans: cloning, mapping and mutagenesis. 1995 , 140, 517-25	18
213	gutfeeling, a Drosophila gene encoding an antizyme-like protein, is required for late differentiation of neurons and muscles. 1996 , 144, 183-96	25
212	Spe3, which encodes spermidine synthase, is required for full repression through NRE(DIT) in Saccharomyces cerevisiae. 1998 , 150, 59-73	7
211	Stimulation of pancreatic growth. Distal small bowel resection mediated by increased levels of cholecystokinin. 1996 , 224, 139-44	2
210	Polyamines and epidermal growth factor in the recovery of gastric mucosa from stress-induced gastric lesions. 1998 , 27 Suppl 1, S97-104	10
209	Effect of thyroxine on pancreatic digestive enzymes and ornithine decarboxylase gene expression in neonatal rats. 1997 , 24, 18-24	2
208	Role of tissue transglutaminase in celiac disease. 2000 , 30, 232-40	59
207	Dependence of Trichomonas vaginalis upon polyamine backconversion. 2000 , 146 (Pt 10), 2715-2722	30
206	Polyamines are required for normal growth in Sinorhizobium meliloti. 2018 , 164, 600-613	10
205	Ovarian cancer: markers of response. 2009 , 19 Suppl 2, S21-9	18
204	Spermine deficiency resulting from targeted disruption of the spermine synthase gene in embryonic stem cells leads to enhanced sensitivity to antiproliferative drugs. 2001 , 59, 231-8	31
203	Alterations in ornithine decarboxylase characteristics account for tolerance of Trypanosoma brucei rhodesiense to D,L-alpha-difluoromethylornithine. 1997 , 41, 1922-5	76

202	An Alkalophilic Bacillus sp. Produces 2-Phenylethylamine. 1993 , 59, 2720-2	9
201	Impairment of macrophage function by inhibitors of ornithine decarboxylase activity. 1987 , 55, 2461-4	33
200	Control of filament formation in Candida albicans by polyamine levels. 1999 , 67, 4870-8	33
199	Effects of ethyl and benzyl analogues of spermine on Escherichia coli peptidyltransferase activity, polyamine transport, and cellular growth. 1999 , 181, 3904-11	5
198	Inducing effect of diamines on transcription of the cephamycin C genes from the lat and pcbAB promoters in Nocardia lactamdurans. 1999 , 181, 2379-84	11
197	Endogenous reverse transcription of human immunodeficiency virus type 1 in physiological microenviroments: an important stage for viral infection of nondividing cells. 1996 , 70, 2809-24	127
196	Ornithine decarboxylase gene of Neurospora crassa: isolation, sequence, and polyamine-mediated regulation of its mRNA. 1992 , 12, 347-359	22
195	Ornithine decarboxylase is a mediator of c-Myc-induced apoptosis. 1994 , 14, 5741-5747	60
194	Structural gene for ornithine decarboxylase in Neurospora crassa. 1985 , 5, 1301-1306	9
193	Nonsense mutations of the ornithine decarboxylase structural gene of Neurospora crassa. 1987 , 7, 1122-112	8 5
193	Nonsense mutations of the ornithine decarboxylase structural gene of Neurospora crassa. 1987 , 7, 1122-1126 c-myc and c-myb protein degradation: effect of metabolic inhibitors and heat shock. 1988 , 8, 2504-2512	67
192	c-myc and c-myb protein degradation: effect of metabolic inhibitors and heat shock. 1988 , 8, 2504-2512	67
192 191	c-myc and c-myb protein degradation: effect of metabolic inhibitors and heat shock. 1988 , 8, 2504-2512 Polyamine-mediated regulation of mouse ornithine decarboxylase is posttranslational. 1989 , 9, 5484-5490	67
192 191 190	c-myc and c-myb protein degradation: effect of metabolic inhibitors and heat shock. 1988 , 8, 2504-2512 Polyamine-mediated regulation of mouse ornithine decarboxylase is posttranslational. 1989 , 9, 5484-5490 Polyamines in microorganisms. 1985 , 49, 81-99	67 34 691
192 191 190	c-myc and c-myb protein degradation: effect of metabolic inhibitors and heat shock. 1988 , 8, 2504-2512 Polyamine-mediated regulation of mouse ornithine decarboxylase is posttranslational. 1989 , 9, 5484-5490 Polyamines in microorganisms. 1985 , 49, 81-99 Biosynthesis and metabolism of arginine in bacteria. 1986 , 50, 314-52	67 34 691 585
192 191 190 189	c-myc and c-myb protein degradation: effect of metabolic inhibitors and heat shock. 1988 , 8, 2504-2512 Polyamine-mediated regulation of mouse ornithine decarboxylase is posttranslational. 1989 , 9, 5484-5490 Polyamines in microorganisms. 1985 , 49, 81-99 Biosynthesis and metabolism of arginine in bacteria. 1986 , 50, 314-52 Inward rectification and implications for cardiac excitability. 1996 , 78, 1-7 Ornithine decarboxylase, kidney size, and the tubular hypothesis of glomerular hyperfiltration in	67 34 691 585

184	Effect of ethanol on polyamine synthesis during liver regeneration in rats. 1990 , 85, 385-90	49
183	Transforming growth factor alpha protection against drug-induced injury to the rat gastric mucosa in vivo. 1992 , 90, 2409-21	91
182	- Do Serum Cholesterol Values and DST Results Comprise Independent Risk Factors for Suicide?. 2012 , 152-165	1
181	Agmatine Suppresses Nitric Oxide Production and Attenuates Hypoxic-Ischemic Brain Injury in Neonatal Rats.	5
180	Acceleration of trophoblast differentiation by heparin-binding EGF-like growth factor is dependent on the stage-specific activation of calcium influx by ErbB receptors in developing mouse blastocysts. 2000 , 127, 33-44	78
179	Characterization of the Entamoeba histolytica ornithine decarboxylase-like enzyme. 2008, 2, e115	13
178	Ornithine decarboxylase antizyme induces hypomethylation of genome DNA and histone H3 lysine 9 dimethylation (H3K9me2) in human oral cancer cell line. 2010 , 5, e12554	23
177	Minimal antizyme peptide fully functioning in the binding and inhibition of ornithine decarboxylase and antizyme inhibitor. 2011 , 6, e24366	12
176	Inflammatory-induced hibernation in the fetus: priming of fetal sheep metabolism correlates with developmental brain injury. 2011 , 6, e29503	14
175	Biogenic and synthetic polyamines bind cationic dendrimers. 2012 , 7, e36087	9
174	Binding of the biogenic polyamines to deoxyribonucleic acids of varying base composition: base specificity and the associated energetics of the interaction. 2013 , 8, e70510	40
173	Microgravity induces changes in microsome-associated proteins of Arabidopsis seedlings grown on board the international space station. 2014 , 9, e91814	32
172	Functional roles of the dimer-interface residues in human ornithine decarboxylase. 2014 , 9, e104865	5
171	Involvement of Antizyme Characterized from the Small Abalone Haliotis diversicolor in Gonadal Development. 2015 , 10, e0135251	4
170	The Trypanosoma cruzi Diamine Transporter Is Essential for Robust Infection of Mammalian Cells. 2016 , 11, e0152715	9
	Relative contributions of norspermidine synthesis and signaling pathways to the regulation of	
169	Vibrio cholerae biofilm formation. 2017 , 12, e0186291	9
169 168		12

166	A novel polyamine blockade therapy activates an anti-tumor immune response. 2017 , 8, 84140-84152		36
165	The Thiol-polyamine Metabolism of Trypanosoma cruzi: Molecular Targets and Drug Repurposing Strategies. 2019 , 26, 6614-6635		13
164	The Mechanistic Targets of Antifungal Agents: An Overview. 2016 , 16, 555-78		96
163	Neuroprotective Role of Agmatine in Neurological Diseases. 2018 , 16, 1296-1305		18
162	Suicide and the polyamine system. 2013 , 12, 980-8		18
161	Agmatine induces gastric protection against ischemic injury by reducing vascular permeability in rats. 2012 , 18, 2188-96		9
160	Selenomethionine Induced Changes on the Binding of Spermine with DNA: A Study by Fourier Transform Raman and Fourier Transform Infra Red Spectroscopy. 2009 , 5, 126-136		3
159	Antifungals: need to search for a new molecular target. 2008 , 70, 423-30		21
158	The Regulatory Effect of Biogenic Polyamines Spermine and Spermidine in Men and Women. 2019 , 09, 35-48		2
157	<i>In Vitro</i> Preliminary Evidences on the Antioxidant Properties of Biogenic Amines. 2013 , 04, 696-700		2
156	Induction of Anticarcinogenic Enzymes of Waxy Brown Rice Cultured withPhellinus igniarius26005. 2002 , 30, 213		1
155	Host-induced spermidine production in motile triggers phagocytic uptake. <i>ELife</i> , 2020 , 9,	3.9	5
154	The isolation of water-soluble natural products - challenges, strategies and perspectives. 2021,		4
153	Analysis of the expression of polyamine biosynthesis genes in nodules of the garden pea (Pisum sativum L.) and the effect of exogenous treatment with polyamines on their development. 2021 , 19, 197-208		
152	Polyamine and Glutathione Biosynthetic Enzymes from Trypanosoma Brucei and Trypanosoma Cruzi. 2000 , 95-119		
151	Classical Inward Rectifying Potassium Channels: Mechanisms of Inward Rectification. 2000 , 225-242		
150	Principles of Basic Sciences Related to Cancer. 2001 , 1-13		
149	Molecular Biology of Inward Rectifier and ATP-Sensitive Potassium Channels. 2001 , 71-88		

148	Biological Evaluation of Boronated Polyamines as Potential Agents for BNCT. 2001, 1115-1119	
147	Effects of the sap of the common oleander Nerium indicum (Apocyanaceae) on male fertility and spermatogenesis in the oriental tobacco budworm Helicoverpa assulta (Lepidoptera, Noctuidae). 2001 , 204, 3935-3942	7
146	S-Adenosyl-L-Methionine.	
145	Ornithine Decarboxylase.	
144	Ornithine Decarboxylase.	
143	Structural roles of cysteine 50 and cysteine 230 residues in Arabidopsis thaliana S-adenosylmethionine decarboxylase. 2002 , 35, 178-85	1
142	Signaling Pathways Involved in the Stimulation of DNA Synthesis by Tumor Necrosis Factor and Lipopolysaccharide in Chick Embryo Cardiomyocytes. 2003 , 359-371	
141	Therapeutic Strategies Targeting Polyamines. 2004 , 339-357	1
140	Preventive Strategies in Breast Cancer. 2004 , 317-378	
139	Polyamines, Iron, and Pneumocystis carinii. 2004 , 621-650	
138	Chemoprevention of Chemical Carcinogenesis and Human Cancer. 2005, 445-478	1
137	Polyamines and Cytoskeletal Regulation During Intestinal Epithelial Restitution. 2006, 349-362	
136	Phytochemicals. 2006 , 1-49	
135	Purification and Characterization of Fruit Bat (Eidolon helvum, Kerr) Liver Arginase. 2006 , 1, 11-20	1
134	Essential Amino Acids. 2007 , 207-251	
133	Molecular Markers for Predicting Prognosis of Renal Cell Carcinoma. 2009 , 449-471	1
132	Polyamines in Grapevine Research. 2010 , 193-209	
131	Nutrient Digestibilities and Fecal Characteristics of Diets Including Brown Rice for Miniature Poodle. 2012 , 54, 349-354	

130	Role of Ionotropic Glutamate Receptors in Neurodegenerative and Other Disorders. 2014, 1039-1070	
129	Co-translational Polyamine Sensing by Nascent ODC Antizyme. 2014 , 203-222	
128	Effects of methylglyoxal-bis(guanylhydrazone) and abscisic acid on polyamine metabolism in embryonectomized barley seeds. 1985 , 55-66	
127	Resorption and Secretion of lons by the Epididymis. 1986 , 163-174	
126	Regulation of gene expression by androgens in murine kidney. 1986 , 42, 71-109	23
125	The Pathogenesis of Infectious Diarrhea. 1986 , 335-355	
124	Studies on the Involvement of Polyamines for the Trophic Actions of the Ganglioside GM1 in Mechanically and 6-hydroxydopamine Lesioned Rats. Evidence for a Permissive Role of Putrescine. 1986 , 381-396	2
123	Ornithine Decarboxylase mRNAs in Murine Kidney: Structure and Regulation by Androgens. 1987 , 166-184	
122	Requirements for accurate and efficient mRNA 3' end cleavage and polyadenylation of a simian virus 40 early pre-RNA in vitro. 1987 , 7, 495-503	42
121	Candidate for a Sexual Reproduction Specific Pathway in Plants: Putrescine to GABA via Hydroxycinnamic Amide Intermediates. 1987 , 243-251	
120	Approaching the structures of mammalian propylamine transferases and their genes. 1988 , 250, 117-26	2
119	Modification of the Cytotoxicity of DNA-Directed Chemotherapeutic Agents by Polyamine Depletion. 1988 , 183-194	
118	Ornithine Decarboxylase Activity Induced by 1,25-Dihydroxycholecalciferol in Avian and Mammalian Bone and Duodenal Mucosa. 1988 , 356-360	
117	Estrogenic control of spermidine/spermine N1-acetyltransferase activity in rat uterus. 1988 , 250, 345-51	1
116	Androgen Regulation of Gene Expression: Studies of Ornithine Decarboxylase in Murine Kidney. 1988 , 119-131	
115	DNA and Radioprotection. 1988 , 675-695	1
114	Kinetic and Thermodynamic Parameters of Artemia Ribosome Subunit Interactions: The Effects of Polyamines. 1989 , 267-274	
113	CONCEPTS FOR DERIVING SPECIFIC INHIBITORS OF POLYAMINE BIOSYNTHESISHUMAN LUNG CANCER CELLS AS A MODEL SYSTEM. 1989 , 185-200	

112	Miscellaneous Second Messengers. 1989 , 173-188	
111	Designed DNA Interactions. 1990, 75-80	
110	Adenosylmethionine decarboxylase. 1990 , 203-207	
109	Polyamine Biosynthesis in the Brown-Rot Fungus Postia placenta. 1990 , 275-284	
108	Cell type-specific mechanisms of regulating expression of the ornithine decarboxylase gene after growth stimulation. 1990 , 10, 5525-5528	16
107	Ornithine Decarboxylase and Neoplastic Growth. 1991 , 559-561	
106	Growth Factor Antagonists in Prostatic Cancer: Suramin and Cytotoxic Polyamines as Potential Therapy. 1991 , 175-184	
105	Involvement of Gangliosides in Neuroplasticity of the Central Nervous System in Physiological and Pathological Conditions. 1992 , 33-86	
104	Structural elements of ornithine decarboxylase required for intracellular degradation and polyamine-dependent regulation. 1992 , 12, 2178-2185	36
103	Ornithine Decarboxylase Activity in Human Stomach Cancer. 1993 , 212-214	1
102	The Vascular Ornithine Decarboxylase/Polyamine System in Deoxycorticosterone Acetate-Salt Hypertension. 1994 , 279-288	
101	Features of the Trophic Action of Polyamines. 1994 , 251-266	
100		
	Alterations in Polyamine Metabolism in Epithelial Tumors of the Skin. 1994 , 291-309	
99	Alterations in Polyamine Metabolism in Epithelial Tumors of the Skin. 1994 , 291-309 Small Nitrogenous Compounds. 1994 , 403-462	
99 98		13
	Small Nitrogenous Compounds. 1994 , 403-462	13
98	Small Nitrogenous Compounds. 1994, 403-462 HETEROGENEITY IN OSTEOPOROSIS. 1994, 20, 671-689	13

94	Cloning and expression of a stable ornithine decarboxylase form conferring selective growth advantage to the HMOA cells against cytostatic treatment with Enethylornithine. 1998 , 257-265	
93	Polyamines and cytoskeletal proteins in intestinal epithelial cell migration. 1998 , 13, S257-S261	1
92	Principles of Cancer Biology, Biochemistry, Immunology, and Pathology. 1999 , 3-12	
91	Increase in ODC Activity in Organs of Animals Exposed to 60-Hz Linear, Sinusoidal Continuous-Wave Magnetic Fields of Different Intensities. 1999 , 951-954	
90	The Biological Basis of Cancer. 1999 , 21-47	
89	Polyamine metabolism. 1999 , 81-104	
88	Chapter^>6: General Functions of Polyamines and Their Possible Modes of Action in Fungi and Other Organisms. 2015 , 108-129	
87	Probing DNA and RNA Interactions with Biogenic and Synthetic Polyamines: Models and Biological Implications. 2016 , 62-85	
86	Effect of L-Deprenyl on the Putrescine Level and Neuronal Damage after Transient Global Cerebral Ischemia in Gerbils. 2017 , 07, 171-184	
85	Polyamines support myogenesis by facilitating myoblast migration.	
84	Aggregation-Induced Emission (AIE): A Versatile Tool for Chemo/Biosensing. 2019, 351-389	
83	[Electrhopysiological Effect of the Polyamine Spermine in Normoxic and Ischemic Ventricular Myocardium]. 2019 , 59, 43-51	
82	Participation of ions of silicon in adaptation of plants to adverse factors. 2019 , 2019, 23-38	
81	Ornithine Decarboxylase Gene Amplification. 2020 , 141-148	
80	[Role of skeletal muscle homeostasis of functional food material]. 2020, 155, 236-240	1
79	Chemical cues for intraspecific chemical communication and interspecific interactions in aquatic environments: applications for fisheries and aquaculture. 1	3
78	Peptide shuttles for cytoplasmic delivery and nuclear targeting of chemotherapeutic agents. 2002 , 212-213	
77	Rles nutritionnels de la flore intestinale. 2007 , 367-377	

76 On the Role of Spermine in Protein Synthesis.

75	Polyamines stimulate lysosomal cystine transport 1987 , 262, 16391-16393	8
74	Hyperoxia inhibits proliferation of retinal endothelial cells in Myc dependent manner.	
73	Multiple mechanisms are responsible for altered expression of ornithine decarboxylase in overproducing variant cells. 1986 , 6, 2865-2871	30
72	Transcriptional activation of mammalian ornithine decarboxylase during stimulated growth. 1987 , 7, 2641-2643	46
71	Amplification and expression of heterologous ornithine decarboxylase in Chinese hamster cells. 1988 , 8, 764-769	3
70	Transcriptional activation by Myc is under negative control by the transcription factor AP-2. 1995 , 14, 1508-19	62
69	Rearrangement between ornithine decarboxylase and the switch region of the gamma 1 immunoglobulin gene in alpha-difluoromethylornithine resistant mouse myeloma cells. 1989 , 8, 1163-7	11
68	Phosphorylation of Okazaki-like DNA fragments in mammalian cells and role of polyamines in the processing of this DNA. 1996 , 15, 1193-200	8
67	Proteoglycan involvement in polyamine uptake. 1999 , 338 (Pt 2), 317-23	21
66	Characterization of a novel spermidine/spermine acetyltransferase, BltD, from Bacillus subtilis. 1999 , 340 (Pt 3), 753-8	15
65	Polyamine transport in bacteria and yeast. 1999 , 344 Pt 3, 633-42	78
64	Changes in gene expression in response to polyamine depletion indicates selective stabilization of mRNAs. 2000 , 346 Pt 1, 185-91	5
63	Properties of a polyamine transporter regulated by antizyme. 2000 , 347 Pt 1, 297-303	23
62	Polyamines directly induce release of cytochrome c from heart mitochondria. 2000 , 347 Pt 3, 875-80	16
61	Polyamines in biology and medicine. 1985 , 142, 88-90	1
60	T-cell mediated cytolysis: evidence for target-cell suicide. 1990 , 71, 197-208	1
59	Cell kinetics and polyamine enzymes in the intestinal mucosa of rats with azoxymethane induced tumours. 1994 , 75, 305-11	2

58	Implication of the polyamine system in mental disorders. 2008 , 33, 102-10		82
57	The chemotherapeutic potential of polyamine antimetabolites. 1986 , 68, 76-81		4
56	Polyamines and their derivatives as modulators in growth and differentiation. 1989 , 62, 481-91		16
55	Glucocorticoids have opposite effects on ornithine decarboxylase and cell growth in pancreatic acinar AR42J cells. 1992 , 65, 449-56; discussion 465-9		2
54	L-arginine and Alzheimer's disease. 2009 , 2, 211-38		36
53	Polyamine Oxidase and Diamine Oxidase Activities in Human Milk during the First Month of Lactation. 2012 , 22, 218-22		7
52	Gene expression analysis of HCT116 colon tumor-derived cells treated with the polyamine analog PG-11047. 2009 , 6, 161-75		9
51	Polyamines and Gut Mucosal Homeostasis. 2012 , 2,		29
50	L-arginase induces vascular dysfunction in old spontaneously hypertensive rats. 2019 , 7, 119-127		1
49	Spermidine Suppressed the Inhibitory Effects of Polyamines Inhibitors Combination in Maize (L.) Seedlings under Chilling Stress. 2021 , 10,		0
48	Agmatine as a novel candidate for rapid-onset antidepressant response. 2021 , 11, 981-996		2
47	Cryo-EM reveals mechanistic insights into lipid-facilitated polyamine export by human ATP13A2. 2021 , 81, 4799-4809.e5		5
46	AMPA and Kainate Receptors.		
45	Molecular Probes, Chemosensors, and Nanosensors for Optical Detection of Biorelevant Molecules and Ions in Aqueous Media and Biofluids 2022 ,		17
44	Genome-wide RNAi screen identifies novel players in human 60S subunit biogenesis including key enzymes of polyamine metabolism 2022 ,		1
43	Spermine-Conjugated Short Proline-Rich Lipopeptides as Broad-Spectrum Intracellular Targeting Antibacterial Agents <i>Journal of Medicinal Chemistry</i> , 2022 ,	8.3	O
42	Molecular Responses of Exogenous Polyamines under Drought Stress in the Barley Plants. <i>Cytologia</i> , 2022 , 87, 7-15	0.9	
41	Microbial Metabolite Regulation of Epithelial Cell-Cell Interactions and Barrier Function <i>Cells</i> , 2022 , 11,	7.9	O

(2022-2022)

40	Targeting Arginine in COVID-19-Induced Immunopathology and Vasculopathy <i>Metabolites</i> , 2022 , 12,	5.6	4
39	Spermine and Spermidine Detection through Restricted Intramolecular Rotations in a Tetraphenylethylene Derivative. <i>Chemosensors</i> , 2022 , 10, 8	4	O
38	Characterization of the Gene Encoding S-adenosyl-L-methionine (AdoMet) Synthetase in; Role in Secondary Metabolism and Penicillin Production <i>Microorganisms</i> , 2021 , 10,	4.9	1
37	The effect of exogenous spermine application on some biochemichal and molecular properties in hordeum vulgare l. under both normal and drought stress. <i>Biologia (Poland)</i> , 2022 , 77, 193-202	1.5	1
36	Aggregation or phase separation can be induced in highly charged proteins by small charged biomolecules <i>Soft Matter</i> , 2022 ,	3.6	
35	Free spermidine evokes superoxide radicals that manifest toxicity ELife, 2022, 11,	8.9	O
34	Role of Polyamines and Hypusine in □Cells and Diabetes Pathogenesis <i>Metabolites</i> , 2022 , 12,	5.6	1
33	Spermidine Is an Intercellular Signal Modulating T3SS Expression in Pseudomonas aeruginosa <i>Microbiology Spectrum</i> , 2022 , e0064422	8.9	1
32	Excess Of Polyamine As a factor influencing the mode of coordination in the Eu(III)/Hydroxy acid/spermine system. <i>Polyhedron</i> , 2022 , 115853	2.7	
31	Table_1.DOCX. 2017 ,		
30	Data_Sheet_1.xlsx. 2021 ,		
29	Data_Sheet_2.docx. 2021 ,		
28	Data_Sheet_1.ZIP. 2019 ,		
27	Data_Sheet_2.ZIP. 2019 ,		
26	Data_Sheet_3.ZIP. 2019 ,		
25	Data_Sheet_4.PDF. 2019 ,		
24	Polyamines: Metabolism, Regulation, and Functions in Crop Abiotic Stress Tolerance. 2022 , 317-344		О
23	Novel gluconate stabilized gold nanoparticles as a colorimetric sensor for quantitative evaluation of spermine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 648, 129146	5.1	O

22	Hepatic transcriptome profiles reveal the hepatoprotective effects of dietary quercetin and sodium quercetin-5?-sulfonates supplementation in hybrid grouper (Epinephelus fuscoguttatus? Epinephelus polyphekadion?). <i>Aquaculture</i> , 2022 , 560, 738483	4.4	O
21	Elucidating the dialogue between arbuscular mycorrhizal fungi and polyamines in plants. <i>World Journal of Microbiology and Biotechnology</i> , 2022 , 38,	4.4	4
20	Methyl Group Metabolism in Differentiation, Aging, and Cancer. 2022, 23, 8378		
19	Antibacterial activity of novel linear polyamines against Staphylococcus aureus. 13,		2
18	Transcriptome analysis provides insights into the molecular mechanism of GhSAMDC1 involving in rapid vegetative growth and early flowering in tobacco. 2022 , 12,		
17	Effects of Polyamines on Plant Growth and Development with a Current Perspective.		
16	Streptococcus agalactiae imports spermidine by a member of the amino acid/polyamine antiporter family to endure citric acid stress at the vaginal pH. 2022 , 168,		
15	Unraveling the genetics of polyamine metabolism in barley for senescence-related crop improvement. 2022 , 221, 585-603		1
14	Conductive Cloth-Assisted Electromediated Extraction for the Determination of Biogenic Amines from Beverages.		1
13	New approaches related to the use of polyamine-free and polyamine-deficient diets in the list of nutritional products for COVID-19 patients. 14-24		2
12	The Potential Role of Polyamines in Epilepsy and Epilepsy-Related Pathophysiological Changes. 2022 , 12, 1596		0
11	Genome-wide analysis of polyamine biosynthesis genes in wheat reveals gene expression specificity and involvement of STRE and MYB-elements in regulating polyamines under drought. 2022 , 23,		O
10	Hypusinated eIF5A Promotes Ribosomal Frameshifting during Decoding of ODC Antizyme mRNA in Saccharomyces cerevisiae. 2022 , 23, 12972		О
9	Comparison of the signaling pathways of wing dimorphism regulated by biotic and abiotic stresses in the brown planthopper.		O
8	Revisiting the Role of Polyamines in Plant Growth and Abiotic Stress Resilience: Mechanisms, Crosstalk, and Future Perspectives.		1
7	Genetic Determinants of Escherichia coli Survival in Beach Sand.		O
6	Alternative Metabolic States in Murine Macrophages Reflected by the Nitric Oxide Synthase/Arginase Balance: Competitive Regulation by CD4+ T Cells Correlates with Th1/Th2 Phenotype. 1998 , 160, 5347-5354		71
5	Antiproliferative Effect of IL-1 Is Mediated by p38 Mitogen-Activated Protein Kinase in Human Melanoma Cell A375. 1999 , 162, 7434-7440		3

CITATION REPORT

4	Polyamines Metabolism and their Regulatory Mechanism in Plant Development and in Abiotic Stress Tolerance. 2023 , 54-72	O
3	Autophagy in protists and their hosts: When, how and why?. 2023 , 2,	O
2	The Anticancer Drug Daunomycin Directly Affects Gene Expression and DNA Structure. 2023, 24, 6631	O
1	Structural Analysis of Spermidine Synthase from Kluyveromyces lactis. 2023 , 28, 3446	O