

Robert A Casero

List of Publications by Year in descending order

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189
papers

17,315
citations

18482

62
h-index

14759

127
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192
all docs

192
docs citations

192
times ranked

17769
citing authors

#	ARTICLE	IF	CITATIONS
1	Histone Demethylation Mediated by the Nuclear Amine Oxidase Homolog LSD1. <i>Cell</i> , 2004, 119, 941-953.	28.9	3,626
2	Targeting polyamine metabolism and function in cancer and other hyperproliferative diseases. <i>Nature Reviews Drug Discovery</i> , 2007, 6, 373-390.	46.4	635
3	The natural polyamine spermine functions directly as a free radical scavenger. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 11140-11145.	7.1	587
4	Inhibition of the LSD1 (KDM1A) demethylase reactivates the all-trans-retinoic acid differentiation pathway in acute myeloid leukemia. <i>Nature Medicine</i> , 2012, 18, 605-611.	30.7	584
5	Polyamine catabolism contributes to enterotoxigenic <i>Bacteroides fragilis</i> -induced colon tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15354-15359.	7.1	482
6	Polyamine metabolism and cancer: treatments, challenges and opportunities. <i>Nature Reviews Cancer</i> , 2018, 18, 681-695.	28.4	468
7	Oxidative Damage Targets Complexes Containing DNA Methyltransferases, SIRT1, and Polycomb Members to Promoter CpG Islands. <i>Cancer Cell</i> , 2011, 20, 606-619.	16.8	452
8	Spermidine/spermine N1-acetyltransferase: the turning point in polyamine metabolism. <i>FASEB Journal</i> , 1993, 7, 653-661.	0.5	411
9	Polyamine catabolism and disease. <i>Biochemical Journal</i> , 2009, 421, 323-338.	3.7	316
10	Metabolism Links Bacterial Biofilms and Colon Carcinogenesis. <i>Cell Metabolism</i> , 2015, 21, 891-897.	16.2	288
11	Inhibition of lysine-specific demethylase 1 by polyamine analogues results in reexpression of aberrantly silenced genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8023-8028.	7.1	279
12	The role of polyamine catabolism in polyamine analogue-induced programmed cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 11557-11562.	7.1	259
13	Spermine and spermidine mediate protection against oxidative damage caused by hydrogen peroxide. <i>Amino Acids</i> , 2007, 33, 231-240.	2.7	250
14	Polyamines and cancer: implications for chemotherapy and chemoprevention. <i>Expert Reviews in Molecular Medicine</i> , 2013, 15, e3.	3.9	249
15	Terminally Alkylated Polyamine Analogues as Chemotherapeutic Agents. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 1-26.	6.4	246
16	Novel Oligoamine Analogues Inhibit Lysine-Specific Demethylase 1 and Induce Reexpression of Epigenetically Silenced Genes. <i>Clinical Cancer Research</i> , 2009, 15, 7217-7228.	7.0	196
17	Current Status of the Polyamine Research Field. <i>Methods in Molecular Biology</i> , 2011, 720, 3-35.	0.9	179
18	Spermine Oxidase Mediates the Gastric Cancer Risk Associated With <i>Helicobacter pylori</i> CagA. <i>Gastroenterology</i> , 2011, 141, 1696-1708.e2.	1.3	166

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19	Implication of SSAT by Gene Expression and Genetic Variation in Suicide and Major Depression. Archives of General Psychiatry, 2006, 63, 35.	12.3	162
20	<i>Helicobacter pylori</i> Induces Macrophage Apoptosis by Activation of Arginase II. Journal of Immunology, 2002, 168, 4692-4700.	0.8	159
21	Tumor Necrosis Factor- α Increases Reactive Oxygen Species by Inducing Spermine Oxidase in Human Lung Epithelial Cells: A Potential Mechanism for Inflammation-Induced Carcinogenesis. Cancer Research, 2006, 66, 11125-11130.	0.9	154
22	Spermine Oxidation Induced by <i>Helicobacter pylori</i> Results in Apoptosis and DNA Damage. Cancer Research, 2004, 64, 8521-8525.	0.9	153
23	Recent Advances in the Development of Polyamine Analogues as Antitumor Agents. Journal of Medicinal Chemistry, 2009, 52, 4551-4573.	6.4	153
24	Polyamine catabolism and oxidative damage. Journal of Biological Chemistry, 2018, 293, 18736-18745.	3.4	151
25	Induction of Polyamine Oxidase 1 by <i>Helicobacter pylori</i> Causes Macrophage Apoptosis by Hydrogen Peroxide Release and Mitochondrial Membrane Depolarization. Journal of Biological Chemistry, 2004, 279, 40161-40173.	3.4	141
26	Targeting polyamine metabolism for cancer therapy and prevention. Biochemical Journal, 2016, 473, 2937-2953.	3.7	134
27	L-arginine Supplementation Improves Responses to Injury and Inflammation in Dextran Sulfate Sodium Colitis. PLoS ONE, 2012, 7, e33546.	2.5	129
28	(Bis)urea and (Bis)thiourea Inhibitors of Lysine-Specific Demethylase 1 as Epigenetic Modulators. Journal of Medicinal Chemistry, 2010, 53, 5197-5212.	6.4	126
29	Cyclooxygenase-independent Induction of Apoptosis by Sulindac Sulfone Is Mediated by Polyamines in Colon Cancer. Journal of Biological Chemistry, 2003, 278, 47762-47775.	3.4	125
30	Properties of purified recombinant human polyamine oxidase, PAOh1/SMO. Biochemical and Biophysical Research Communications, 2003, 304, 605-611.	2.1	119
31	Spermine Causes Loss of Innate Immune Response to <i>Helicobacter pylori</i> by Inhibition of Inducible Nitric-oxide Synthase Translation. Journal of Biological Chemistry, 2005, 280, 2409-2412.	3.4	114
32	Protective Role of Arginase in a Mouse Model of Colitis. Journal of Immunology, 2004, 173, 2109-2117.	0.8	112
33	Structural Specificity of Polyamines and Polyamine Analogues in the Protection of DNA from Strand Breaks Induced by Reactive Oxygen Species. Biochemical and Biophysical Research Communications, 1998, 244, 298-303.	2.1	102
34	Spermine Oxidase SMO(PAOh1), Not N1-Acetylpolyamine Oxidase PAO, Is the Primary Source of Cytotoxic H ₂ O ₂ in Polyamine Analogue-treated Human Breast Cancer Cell Lines. Journal of Biological Chemistry, 2005, 280, 39843-39851.	3.4	99
35	Induction of spermidine/spermine N1-acetyltransferase (SSAT) by aspirin in Caco-2 colon cancer cells. Biochemical Journal, 2006, 394, 317-324.	3.7	93
36	Synthesis and evaluation of unsymmetrically substituted polyamine analogs as modulators of human spermidine/spermine-N1-acetyltransferase (SSAT) and as potential antitumor agents. Journal of Medicinal Chemistry, 1993, 36, 2998-3004.	6.4	89

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37	Polyamines in cancer: integrating organismal metabolism and antitumour immunity. <i>Nature Reviews Cancer</i> , 2022, 22, 467-480.	28.4	89
38	A Selective Phenelzine Analogue Inhibitor of Histone Demethylase LSD1. <i>ACS Chemical Biology</i> , 2014, 9, 1284-1293.	3.4	88
39	Increased <i>Helicobacter pylori</i> -associated gastric cancer risk in the Andean region of Colombia is mediated by spermine oxidase. <i>Oncogene</i> , 2015, 34, 3429-3440.	5.9	87
40	Efficacy and Safety of Curcumin in Treatment of Intestinal Adenomas in Patients With Familial Adenomatous Polyposis. <i>Gastroenterology</i> , 2018, 155, 668-673.	1.3	87
41	Mammalian Polyamine Catabolism: A Therapeutic Target, a Pathological Problem, or Both?. <i>Journal of Biochemistry</i> , 2006, 139, 17-25.	1.7	85
42	Arginase 2 deletion leads to enhanced M1 macrophage activation and upregulated polyamine metabolism in response to <i>Helicobacter pylori</i> infection. <i>Amino Acids</i> , 2016, 48, 2375-2388.	2.7	80
43	Induction of phase 2 enzymes by serum oxidized polyamines through activation of Nrf2: effect of the polyamine metabolite acrolein. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 662-670.	2.1	79
44	A Phase II study of the polyamine analog N1,N11-diethylnorspermine (DENSpm) daily for five days every 21 days in patients with previously treated metastatic breast cancer. <i>Clinical Cancer Research</i> , 2003, 9, 5922-8.	7.0	79
45	RGFGIGS Is an Amino Acid Sequence Required for Acetyl Coenzyme A Binding and Activity of Human Spermidine/Spermine N1Acetyltransferase. <i>Journal of Biological Chemistry</i> , 1996, 271, 18920-18924.	3.4	78
46	Increased spermine oxidase expression in human prostate cancer and prostatic intraepithelial neoplasia tissues. <i>Prostate</i> , 2008, 68, 766-772.	2.3	78
47	Polyamines Impair Immunity to <i>Helicobacter pylori</i> by Inhibiting L-Arginine Uptake Required for Nitric Oxide Production. <i>Gastroenterology</i> , 2010, 139, 1686-1698.e6.	1.3	78
48	Polyamine analogs modulate gene expression by inhibiting lysine-specific demethylase 1 (LSD1) and altering chromatin structure in human breast cancer cells. <i>Amino Acids</i> , 2012, 42, 887-898.	2.7	78
49	Activation of EGFR and ERBB2 by <i>Helicobacter pylori</i> Results in Survival of Gastric Epithelial Cells With DNA Damage. <i>Gastroenterology</i> , 2014, 146, 1739-1751.e14.	1.3	77
50	The Identification of a Cis-element and a Trans-acting Factor Involved in the Response to Polyamines and Polyamine Analogues in the Regulation of the Human Spermidine/Spermine N 1-Acetyltransferase Gene Transcription. <i>Journal of Biological Chemistry</i> , 1998, 273, 34623-34630.	3.4	75
51	Cloning and Characterization of Human Polyamine-modulated Factor-1, a Transcriptional Cofactor That Regulates the Transcription of the Spermidine/SpermineN 1-Acetyltransferase Gene. <i>Journal of Biological Chemistry</i> , 1999, 274, 22095-22101.	3.4	75
52	Loss of LSD1 (lysine-specific demethylase 1) suppresses growth and alters gene expression of human colon cancer cells in a p53- and DNMT1(DNA methyltransferase 1)-independent manner. <i>Biochemical Journal</i> , 2013, 449, 459-468.	3.7	75
53	Self-immolative nanoparticles for simultaneous delivery of microRNA and targeting of polyamine metabolism in combination cancer therapy. <i>Journal of Controlled Release</i> , 2017, 246, 110-119.	9.9	75
54	Expression of SSAT, a novel biomarker of tubular cell damage, increases in kidney ischemia-reperfusion injury. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 284, F1046-F1055.	2.7	74

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55	Molecular mechanisms of polyamine analogs in cancer cells. <i>Anti-Cancer Drugs</i> , 2005, 16, 229-241.	1.4	73
56	Combination Therapy with Vidaza and Entinostat Suppresses Tumor Growth and Reprograms the Epigenome in an Orthotopic Lung Cancer Model. <i>Cancer Research</i> , 2011, 71, 454-462.	0.9	70
57	Polyamine catabolism in carcinogenesis: potential targets for chemotherapy and chemoprevention. <i>Amino Acids</i> , 2014, 46, 511-519.	2.7	69
58	Low Molecular Weight Amidoximes that Act as Potent Inhibitors of Lysine-Specific Demethylase 1. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 7378-7391.	6.4	68
59	MOF Acetylates the Histone Demethylase LSD1 to Suppress Epithelial-to-Mesenchymal Transition. <i>Cell Reports</i> , 2016, 15, 2665-2678.	6.4	68
60	Clinical aspects of cell death in breast cancer: the polyamine pathway as a new target for treatment.. <i>Endocrine-Related Cancer</i> , 1999, 6, 69-73.	3.1	67
61	Reduction of Murine Colon Tumorigenesis Driven by Enterotoxigenic <i>Bacteroides fragilis</i> Using Cefoxitin Treatment. <i>Journal of Infectious Diseases</i> , 2016, 214, 122-129.	4.0	67
62	Polyamine transport system mediates agmatine transport in mammalian cells. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 281, C329-C334.	4.6	66
63	Polyamine Catabolism Is Enhanced after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2010, 27, 515-525.	3.4	66
64	Phase I study of N(1),N(11)-diethylnorspermine in patients with non-small cell lung cancer. <i>Clinical Cancer Research</i> , 2002, 8, 684-90.	7.0	65
65	Helicobacter pylori-induced Macrophage Apoptosis Requires Activation of Ornithine Decarboxylase by c-Myc. <i>Journal of Biological Chemistry</i> , 2005, 280, 22492-22496.	3.4	63
66	Suppression of polyamine catabolism by activated Ki-ras in human colon cancer cells. <i>Molecular Carcinogenesis</i> , 2004, 39, 91-102.	2.7	62
67	DFMO and 5-Azacytidine Increase M1 Macrophages in the Tumor Microenvironment of Murine Ovarian Cancer. <i>Cancer Research</i> , 2019, 79, 3445-3454.	0.9	59
68	Polyamines in normal and cancer cells. <i>Advances in Enzyme Regulation</i> , 1987, 26, 91-105.	2.6	58
69	Induction of the PAOh1/SMO polyamine oxidase by polyamine analogues in human lung carcinoma cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2003, 52, 383-390.	2.3	58
70	Characterization of the interaction between the transcription factors human polyamine modulated factor (PMF-1) and NF-E2-related factor 2 (Nrf-2) in the transcriptional regulation of the spermidine/spermine N1-acetyltransferase (SSAT) gene. <i>Biochemical Journal</i> , 2001, 355, 45-49.	3.7	56
71	Nuclear localization of human spermine oxidase isoforms â€“ possible implications in drug response and disease etiology. <i>FEBS Journal</i> , 2008, 275, 2795-2806.	4.7	56
72	Tumor Necrosis Factor Î± Induces Spermidine/Spermine N1-Acetyltransferase through Nuclear Factor Î²Bin Non-small Cell Lung Cancer Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 24182-24192.	3.4	54

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73	Placental polyamine metabolism differs by fetal sex, fetal growth restriction, and preeclampsia. JCI Insight, 2018, 3, .	5.0	54
74	Differential transcription of the human spermidine/spermine N1-acetyltransferase (SSAT) gene in human lung carcinoma cells. Biochemical Journal, 1996, 313, 691-696.	3.7	53
75	Targeting hexokinase 2 inhibition promotes radiosensitization in HPV16 E7-induced cervical cancer and suppresses tumor growth. International Journal of Oncology, 2017, 50, 2011-2023.	3.3	53
76	A novel polyamine analog inhibits growth and induces apoptosis in human breast cancer cells. Clinical Cancer Research, 2003, 9, 2769-77.	7.0	52
77	Cloning and characterization of multiple human polyamine oxidase splice variants that code for isoenzymes with different biochemical characteristics. Biochemical Journal, 2002, 368, 673-677.	3.7	51
78	Distinct and sequential upregulation of genes regulating cell growth and cell cycle progression during hepatic ischemia-reperfusion injury. American Journal of Physiology - Cell Physiology, 2005, 289, C826-C835.	4.6	50
79	Prostanoids, ornithine decarboxylase, and polyamines in primary chemoprevention of familial adenomatous polyposis. Gastroenterology, 2004, 126, 425-431.	1.3	49
80	Overexpression of SSAT in Kidney Cells Recapitulates Various Phenotypic Aspects of Kidney Ischemia-reperfusion Injury. Journal of the American Society of Nephrology: JASN, 2004, 15, 1844-1852.	6.1	48
81	Polyamine analogues targeting epigenetic gene regulation. Essays in Biochemistry, 2009, 46, 95-110.	4.7	47
82	Polyamine-modulated c-Myc expression in normal intestinal epithelial cells regulates p21Cip1 transcription through a proximal promoter region. Biochemical Journal, 2006, 398, 257-267.	3.7	46
83	Spermine oxidase mediates Helicobacter pylori-induced gastric inflammation, DNA damage, and carcinogenic signaling. Oncogene, 2020, 39, 4465-4474.	5.9	46
84	The role of spermidine/spermine N1-acetyltransferase in determining response to chemotherapeutic agents in colorectal cancer cells. Molecular Cancer Therapeutics, 2007, 6, 128-137.	4.1	45
85	Translation of ODC mRNA and Polyamine Transport Are Suppressed in Ras-Transformed CREF Cells by Depleting Translation Initiation Factor 4E. Biochemical and Biophysical Research Communications, 1997, 240, 15-20.	2.1	44
86	Novel Alkylpolyamine Analogues that Possess Both Antitrypanosomal and Antimicrosporidial Activity. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 1613-1617.	2.2	44
87	Properties of recombinant human N1-acetylpolymine oxidase (hPAO): potential role in determining drug sensitivity. Cancer Chemotherapy and Pharmacology, 2005, 56, 83-90.	2.3	44
88	Structure of the human spermidine/spermine N1-acetyltransferase gene. Biochemical and Biophysical Research Communications, 1992, 187, 1493-1502.	2.1	43
89	The role of polyamine catabolism in anti-tumour drug response. Biochemical Society Transactions, 2003, 31, 361-365.	3.4	43
90	The re-expression of the epigenetically silenced e-cadherin gene by a polyamine analogue lysine-specific demethylase-1 (LSD1) inhibitor in human acute myeloid leukemia cell lines. Amino Acids, 2014, 46, 585-594.	2.7	43

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91	Characterization of the interaction between the transcription factors human polyamine modulated factor (PMF-1) and NF-E2-related factor 2 (Nrf-2) in the transcriptional regulation of the spermidine/spermine N1-acetyltransferase (SSAT) gene. <i>Biochemical Journal</i> , 2001, 355, 45.	3.7	42
92	Treatment with α -difluoromethylornithine plus a spermidine analog leads to spermine depletion and growth inhibition in cultured L1210 leukemia cells. <i>Journal of Cellular Physiology</i> , 1984, 121, 476-482.	4.1	41
93	Largazole and Analogues with Modified Metal-Binding Motifs Targeting Histone Deacetylases: Synthesis and Biological Evaluation. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 7453-7463.	6.4	41
94	Coupling of the polyamine and iron metabolism pathways in the regulation of proliferation: Mechanistic links to alterations in key polyamine biosynthetic and catabolic enzymes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2793-2813.	3.8	41
95	Modulation of growth gene expression by selective alteration of polyamines in human colon carcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 1989, 165, 384-390.	2.1	40
96	Increased expression and cellular localization of spermine oxidase in ulcerative colitis and relationship to disease activity. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 1557-1566.	1.9	40
97	Role of ornithine decarboxylase in regulation of estrogen receptor alpha expression and growth in human breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2012, 136, 57-66.	2.5	40
98	Structure-activity study for (bis)ureidopropyl- and (bis)thioureidopropylidamine LSD1 inhibitors with 3-5-3 and 3-6-3 carbon backbone architectures. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1601-1612.	3.0	40
99	Spermine oxidase (SMO) activity in breast tumor tissues and biochemical analysis of the anticancer spermine analogues BENSpm and CPENSpm. <i>BMC Cancer</i> , 2010, 10, 555.	2.6	39
100	In vitro and in vivo effects of the conformationally restricted polyamine analogue CGC-11047 on small cell and non-small cell lung cancer cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2008, 63, 45-53.	2.3	38
101	Inhibition of the polyamine synthesis enzyme ornithine decarboxylase sensitizes triple-negative breast cancer cells to cytotoxic chemotherapy. <i>Journal of Biological Chemistry</i> , 2020, 295, 6263-6277.	3.4	38
102	Polyamines and their metabolizing enzymes in human frontal cortex and hippocampus: Preliminary measurements in affective disorders. <i>Biological Psychiatry</i> , 1995, 38, 227-234.	1.3	37
103	Polyamine Analogues Down-regulate Estrogen Receptor \pm Expression in Human Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 19055-19063.	3.4	37
104	Polyamine-Regulated Translation of Spermidine/Spermine-N ¹ -Acetyltransferase. <i>Molecular and Cellular Biology</i> , 2012, 32, 1453-1467.	2.3	37
105	Pharmacological polyamine catabolism upregulation with methionine salvage pathway inhibition as an effective prostate cancer therapy. <i>Nature Communications</i> , 2020, 11, 52.	12.8	37
106	Alkyl-Substituted Polyaminohydroxamic Acids: A Novel Class of Targeted Histone Deacetylase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 6350-6365.	6.4	36
107	1-(N-Alkylamino)-11-(N-ethylamino)-4,8-diazaundecanes: A Simple Synthetic Polyamine Analogues That Differentially Alter Tubulin Polymerization. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1415-1421.	6.4	35
108	Distinct Immunomodulatory Effects of Spermine Oxidase in Colitis Induced by Epithelial Injury or Infection. <i>Frontiers in Immunology</i> , 2018, 9, 1242.	4.8	35

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109	The role of the polyamine catabolic enzymes SSAT and SMO in the synergistic effects of standard chemotherapeutic agents with a polyamine analogue in human breast cancer cell lines. <i>Cancer Chemotherapy and Pharmacology</i> , 2010, 65, 1067-1081.	2.3	34
110	Characterization of a full-length cDNA which codes for the human spermidine/spermine N1-acetyltransferase. <i>Biochemical and Biophysical Research Communications</i> , 1991, 179, 407-415.	2.1	33
111	Growth and biochemical effects of unsymmetrically substituted polyamine analogues in human lung tumor cells 1. <i>Cancer Chemotherapy and Pharmacology</i> , 1995, 36, 69-74.	2.3	33
112	Difluoromethylornithine Is a Novel Inhibitor of <i>Helicobacter pylori</i> Growth, CagA Translocation, and Interleukin-8 Induction. <i>PLoS ONE</i> , 2011, 6, e17510.	2.5	33
113	Induction of human spermine oxidase SMO(PAOh1) is regulated at the levels of new mRNA synthesis, mRNA stabilization and newly synthesized protein. <i>Biochemical Journal</i> , 2005, 386, 543-547.	3.7	32
114	Polyaminohydroxamic Acids and Polyaminobenzamides as Isoform Selective Histone Deacetylase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2447-2456.	6.4	32
115	Polyamine-based small molecule epigenetic modulators. <i>MedChemComm</i> , 2012, 3, 14-21.	3.4	32
116	Activation of endoplasmic reticulum stress response by enhanced polyamine catabolism is important in the mediation of cisplatin-induced acute kidney injury. <i>PLoS ONE</i> , 2017, 12, e0184570.	2.5	32
117	Regulation of Polyamine Analogue Cytotoxicity by c-Jun in Human MDA-MB-435 Cancer Cells. <i>Molecular Cancer Research</i> , 2004, 2, 81-88.	3.4	32
118	Structural comparison of alkylpolyamine analogues with potent in vitro antitumor or antiparasitic activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 2765-2770.	2.2	30
119	Hepatocyte-specific ablation of spermine/spermidine-N ¹ -acetyltransferase gene reduces the severity of CCl ₄ -induced acute liver injury. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, G546-G560.	3.4	29
120	Largazole Analogues Embodying Radical Changes in the Depsipeptide Ring: Development of a More Selective and Highly Potent Analogue. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10642-10660.	6.4	29
121	Polyamine-modulated factor 1 binds to the human homologue of the 7a subunit of the Arabidopsis COP9 signalosome: implications in gene expression. <i>Biochemical Journal</i> , 2002, 366, 79-86.	3.7	28
122	Oligoamine analogues in combination with 2-difluoromethylornithine synergistically induce re-expression of aberrantly silenced tumour-suppressor genes. <i>Biochemical Journal</i> , 2012, 442, 693-701.	3.7	28
123	Induction of spermidine/spermine N ¹ -acetyltransferase in breast cancer tissues treated with the polyamine analogue N ¹ ,N ¹¹ -diethylnorspermine. <i>Cancer Chemotherapy and Pharmacology</i> , 2004, 54, 122-126.	2.3	27
124	The Novel Polyamine Analogue CGC-11093 Enhances the Antimyeloma Activity of Bortezomib. <i>Cancer Research</i> , 2008, 68, 4783-4790.	0.9	26
125	Dual inhibitors of LSD1 and spermine oxidase. <i>MedChemComm</i> , 2019, 10, 778-790.	3.4	26
126	Spermine oxidase is a regulator of macrophage host response to <i>Helicobacter pylori</i> : enhancement of antimicrobial nitric oxide generation by depletion of spermine. <i>Amino Acids</i> , 2014, 46, 531-542.	2.7	25

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127	Curcumin mediates polyamine metabolism and sensitizes gastrointestinal cancer cells to antitumor polyamine-targeted therapies. <i>PLoS ONE</i> , 2018, 13, e0202677.	2.5	25
128	Polyamine-based analogues as biochemical probes and potential therapeutics. <i>Biochemical Society Transactions</i> , 2007, 35, 356-363.	3.4	24
129	Autophagy induction by exogenous polyamines is an artifact of bovine serum amine oxidase activity in culture serum. <i>Journal of Biological Chemistry</i> , 2020, 295, 9061-9068.	3.4	24
130	Chronic lithium treatment prevents the dexamethasone-induced increase of brain polyamine metabolizing enzymes. <i>Life Sciences</i> , 1992, 50, PL149-PL154.	4.3	23
131	Polyamine Homeostasis in Snyder-Robinson Syndrome. <i>Medical Sciences (Basel, Switzerland)</i> , 2018, 6, 112.	2.9	22
132	Histone Deacetylase Inhibition Overcomes Drug Resistance through a miRNA-Dependent Mechanism. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 2088-2099.	4.1	21
133	Metabolism of N-alkylated spermine analogues by polyamine and spermine oxidases. <i>Amino Acids</i> , 2010, 38, 369-381.	2.7	20
134	Synthesis and evaluation of a polyamine phosphinate and phosphonamidate as transition-state analogue inhibitors of spermidine/spermine-N1-acetyltransferase. <i>Bioorganic and Medicinal Chemistry</i> , 1996, 4, 825-836.	3.0	19
135	Proximal Tubule Epithelial Cell Specific Ablation of the Spermidine/Spermine N1-Acetyltransferase Gene Reduces the Severity of Renal Ischemia/Reperfusion Injury. <i>PLoS ONE</i> , 2014, 9, e110161.	2.5	19
136	Design of polyamine-based therapeutic agents: new targets and new directions. <i>Essays in Biochemistry</i> , 2009, 46, 77-94.	4.7	18
137	Role of p53/p21Waf1/Cip1 in the regulation of polyamine analogue-induced growth inhibition and cell death in human breast cancer cells. <i>Cancer Biology and Therapy</i> , 2005, 4, 1006-1013.	3.4	17
138	Detoxification of the polyamine analogue N1-ethyl-N11-[(cycloheptyl)methyl]-4,8-diazaundecane (CHENSpm) by polyamine oxidase. <i>Clinical Cancer Research</i> , 2002, 8, 1241-7.	7.0	17
139	Nucleotide sequence of hamster spermidine/spermine-N1-acetyltransferase cDNA. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992, 1171, 106-108.	2.4	16
140	Spermidine/spermine N1-acetyltransferase (SSAT) activity in human small-cell lung carcinoma cells following transfection with a genomic SSAT construct. <i>Biochemical Journal</i> , 2003, 373, 629-634.	3.7	16
141	Synthesis and biological evaluation of largazole analogues with modified surface recognition cap groups. <i>European Journal of Medicinal Chemistry</i> , 2014, 86, 528-541.	5.5	16
142	A Simple Assay for Mammalian Spermine Oxidase: A Polyamine Catabolic Enzyme Implicated in Drug Response and Disease. <i>Methods in Molecular Biology</i> , 2011, 720, 173-181.	0.9	15
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