

Tracy Murray-Stewart

List of Publications by Year in descending order

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63
papers

3,619
citations

147801

31
h-index

138484

58
g-index

67
all docs

67
docs citations

67
times ranked

4588
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Polyamine metabolism and cancer: treatments, challenges and opportunities. <i>Nature Reviews Cancer</i> , 2018, 18, 681-695.	28.4	468
3	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
4	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
5	Polyamine catabolism and oxidative damage. <i>Journal of Biological Chemistry</i> , 2018, 293, 18736-18745.	3.4	151
6	Targeting polyamine metabolism for cancer therapy and prevention. <i>Biochemical Journal</i> , 2016, 473, 2937-2953.	3.7	134
7	Properties of purified recombinant human polyamine oxidase, PAOh1/SMO. <i>Biochemical and Biophysical Research Communications</i> , 2003, 304, 605-611.	2.1	119
8	Polyamines in cancer: integrating organismal metabolism and antitumour immunity. <i>Nature Reviews Cancer</i> , 2022, 22, 467-480.	28.4	89
9	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
10	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
11	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
12	Cloning and Characterization of Human Polyamine-modulated Factor-1, a Transcriptional Cofactor That Regulates the Transcription of the Spermidine/Spermine N1-Acetyltransferase Gene. <i>Journal of Biological Chemistry</i> , 1999, 274, 22095-22101.	3.4	75
13	Inflammation and polyamine catabolism: the good, the bad and the ugly. <i>Biochemical Society Transactions</i> , 2007, 35, 300-304.	3.4	75
14	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
15	Polyamine catabolism in carcinogenesis: potential targets for chemotherapy and chemoprevention. <i>Amino Acids</i> , 2014, 46, 511-519.	2.7	69
16	Polyamine Catabolism Is Enhanced after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2010, 27, 515-525.	3.4	66
17	Inhibitors of DNA Methylation, Histone Deacetylation, and Histone Demethylation. <i>Advances in Cancer Research</i> , 2016, 130, 55-111.	5.0	66
18	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

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19	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
20	Nuclear localization of human spermine oxidase isoforms " possible implications in drug response and disease etiology. <i>FEBS Journal</i> , 2008, 275, 2795-2806.	4.7	56
21	Epigenetic silencing of miR-124 prevents spermine oxidase regulation: implications for <i>Helicobacter pylori</i> -induced gastric cancer. <i>Oncogene</i> , 2016, 35, 5480-5488.	5.9	54
22	Targeting hexokinase 2 inhibition promotes radiosensitization in HPV16 E7-induced cervical cancer and suppresses tumor growth. <i>International Journal of Oncology</i> , 2017, 50, 2011-2023.	3.3	53
23	Cloning and characterization of multiple human polyamine oxidase splice variants that code for isoenzymes with different biochemical characteristics. <i>Biochemical Journal</i> , 2002, 368, 673-677.	3.7	51
24	Properties of recombinant human N1-acetylpolyamine oxidase (hPAO): potential role in determining drug sensitivity. <i>Cancer Chemotherapy and Pharmacology</i> , 2005, 56, 83-90.	2.3	44
25	The role of polyamine catabolism in anti-tumour drug response. <i>Biochemical Society Transactions</i> , 2003, 31, 361-365.	3.4	43
26	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. <i>Amino Acids</i> , 2014, 46, 585-594.	2.7	43
27	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
28	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
29	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
30	Polyaminohydroxamic Acids and Polyaminobenzamides as Isoform Selective Histone Deacetylase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2447-2456.	6.4	32
31	Polyamine-based small molecule epigenetic modulators. <i>MedChemComm</i> , 2012, 3, 14-21.	3.4	32
32	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
33	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
34	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
35	Dual inhibitors of LSD1 and spermine oxidase. <i>MedChemComm</i> , 2019, 10, 778-790.	3.4	26
36	Curcumin mediates polyamine metabolism and sensitizes gastrointestinal cancer cells to antitumor polyamine-targeted therapies. <i>PLoS ONE</i> , 2018, 13, e0202677.	2.5	25

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37	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
38	Polyamine Homeostasis in Snyder-Robinson Syndrome. <i>Medical Sciences (Basel, Switzerland)</i> , 2018, 6, 112.	2.9	22
39	Reduction in polyamine catabolism leads to spermine-mediated airway epithelial injury and induces asthma features. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 2033-2045.	5.7	22
40	Histone Deacetylase Inhibition Overcomes Drug Resistance through a miRNA-Dependent Mechanism. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 2088-2099.	4.1	21
41	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
42	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
43	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
44	Biochemical evaluation of the anticancer potential of the polyamine-based nanocarrier Nano11047. <i>PLoS ONE</i> , 2017, 12, e0175917.	2.5	15
45	Metabolomic studies identify changes in transmethylation and polyamine metabolism in a brain-specific mouse model of tuberous sclerosis complex. <i>Human Molecular Genetics</i> , 2018, 27, 2113-2124.	2.9	13
46	Regulation of Polyamine Metabolism by Curcumin for Cancer Prevention and Therapy. <i>Medical Sciences (Basel, Switzerland)</i> , 2017, 5, 38.	2.9	10
47	A Phase Ib multicenter, dose-escalation study of the polyamine analogue PG-11047 in combination with gemcitabine, docetaxel, bevacizumab, erlotinib, cisplatin, 5-fluorouracil, or sunitinib in patients with advanced solid tumors or lymphoma. <i>Cancer Chemotherapy and Pharmacology</i> , 2021, 87, 135-144.	2.3	9
48	(R,R)-1,12-Dimethylspermine can mitigate abnormal spermidine accumulation in Snyder-Robinson syndrome. <i>Journal of Biological Chemistry</i> , 2020, 295, 3247-3256.	3.4	9
49	A phase I dose-escalation study of the polyamine analog PG-11047 in patients with advanced solid tumors. <i>Cancer Chemotherapy and Pharmacology</i> , 2020, 85, 1089-1096.	2.3	7
50	Phenylbutyrate modulates polyamine acetylase and ameliorates Snyder-Robinson syndrome in a <i>Drosophila</i> model and patient cells. <i>JCI Insight</i> , 2022, 7, .	5.0	7
51	Ablation of polyamine catabolic enzymes provokes Purkinje cell damage, neuroinflammation, and severe ataxia. <i>Journal of Neuroinflammation</i> , 2020, 17, 301.	7.2	6
52	Polyamine Depletion Strategies in Cancer: Remodeling the Tumor Immune Microenvironment to Enhance Anti-Tumor Responses. <i>Medical Sciences (Basel, Switzerland)</i> , 2022, 10, 31.	2.9	6
53	Expanded Potential of the Polyamine Analogue SBP-101 (Diethyl Dihydroxyhomospermine) as a Modulator of Polyamine Metabolism and Cancer Therapeutic. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6798.	4.1	6
54	Ornithine decarboxylase, the rate-limiting enzyme of polyamine synthesis, modifies brain pathology in a mouse model of tuberous sclerosis complex. <i>Human Molecular Genetics</i> , 2020, 29, 2395-2407.	2.9	4

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55	Hyaluronate-coated perfluoroalkyl polyamine prodrugs as bioactive siRNA delivery systems for the treatment of peritoneal cancers. , 2022, , 212755.		3
56	1 Arginase II Deletion Enhances Pro-Inflammatory Macrophage Activation and Polyamine Metabolism in Response to Helicobacter pylori. Gastroenterology, 2016, 150, S1.	1.3	2
57	Self-Assembled Alkylated Polyamine Analogs as Supramolecular Anticancer Agents. Molecules, 2022, 27, 2441.	3.8	2
58	Interrogation of T Cellâ€enriched Tumors Reveals Prognostic and Immunotherapeutic Implications of Polyamine Metabolism. Cancer Research Communications, 2022, 2, 639-652.	1.7	2
59	Mammalian Polyamine Catabolism. , 2015, , 61-75.		1
60	Characterizing the homeostatic regulation of the polyamine pathway using the Drosophila melanogaster model system. Gene Reports, 2021, 24, 101269.	0.8	1
61	Recent Advances in the Understanding of Mammalian Polyamine Catabolism. , 2006, , 205-232.		0
62	Abstract LB-97: Combination of a conformationally restricted polyamine analogue with DNA methyltransferase or histone deacetylase inhibition induces synergistic reexpression of aberrantly silenced tumor suppressor genes. , 2010, , .		0
63	Abstract 201: Expression of miR-124 suppresses spermine oxidase-associated H2O2 generation in human gastric adenocarcinoma cells: Implications for infection/inflammation-induced carcinogenesis. , 2015, , .		0