

# Gaetano Marverti

## List of Publications by Year in descending order

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60  
papers

1,159  
citations

393982

19  
h-index

433756

31  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1722  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting Oxidatively Induced DNA Damage Response in Cancer: Opportunities for Novel Cancer Therapies. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-21.	1.9	85
2	Newly Synthesized Curcumin Derivatives: Crosstalk between Chemico-physical Properties and Biological Activity. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 8066-8077.	2.9	78
3	Protein-protein interface-binding peptides inhibit the cancer therapy target human thymidylate synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E542-9.	3.3	77
4	Synthesis, cytotoxic and combined cDDP activity of new stable curcumin derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3043-3052.	1.4	73
5	Inside the biochemical pathways of thymidylate synthase perturbed by anticancer drugs: Novel strategies to overcome cancer chemoresistance. <i>Drug Resistance Updates</i> , 2015, 23, 20-54.	6.5	57
6	Studies on the anti-proliferative effects of novel DNA-intercalating bipyridyl-thiourea-Pt(II) complexes against cisplatin-sensitive and -resistant human ovarian cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 699-712.	1.5	54
7	Modulation of the expression of folate cycle enzymes and polyamine metabolism by berberine in cisplatin-sensitive and -resistant human ovarian cancer cells. <i>International Journal of Oncology</i> , 2013, 43, 1269-1280.	1.4	47
8	Modulation of cis-diamminedichloroplatinum (II) accumulation and cytotoxicity by spermine in sensitive and resistant human ovarian carcinoma cells. <i>European Journal of Cancer</i> , 1997, 33, 669-675.	1.3	39
9	Repurposing of Drugs Targeting YAP-TEAD Functions. <i>Cancers</i> , 2018, 10, 329.	1.7	33
10	Collateral sensitivity to novel thymidylate synthase inhibitors correlates with folate cycle enzymes impairment in cisplatin-resistant human ovarian cancer cells. <i>European Journal of Pharmacology</i> , 2009, 615, 17-26.	1.7	29
11	2-Deoxy-d-ribose-Induced Apoptosis in HL-60 Cells Is Associated with the Cell Cycle Progression by Spermidine. <i>Biochemical and Biophysical Research Communications</i> , 1999, 257, 460-465.	1.0	26
12	Characterization of the cell growth inhibitory effects of a novel DNA-intercalating bipyridyl-thiourea-Pt(II) complex in cisplatin-sensitive and -resistant human ovarian cancer cells. <i>Investigational New Drugs</i> , 2011, 29, 73-86.	1.2	23
13	Concurrent inhibition of enzymatic activity and NF- $\kappa$ B-mediated transcription of Topoisomerase- $\alpha$ by bis-DemethoxyCurcumin in cancer cells. <i>Cell Death and Disease</i> , 2013, 4, e756-e756.	2.7	23
14	Optimization of Peptides That Target Human Thymidylate Synthase to Inhibit Ovarian Cancer Cell Growth. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1355-1367.	2.9	22
15	Mass Spectrometric/Bioinformatic Identification of a Protein Subset That Characterizes the Cellular Activity of Anticancer Peptides. <i>Journal of Proteome Research</i> , 2014, 13, 5250-5261.	1.8	22
16	N1,N12-bis(ethyl)spermine effect on growth of cis-diamminedichloroplatinum(II)-sensitive and -resistant human ovarian-carcinoma cell lines. , 1998, 78, 33-40.		21
17	Polyamine depletion protects HL-60 cells from 2-deoxy-D-ribose-induced apoptosis. <i>Life Sciences</i> , 1998, 62, 799-806.	2.0	21
18	Ligand-based virtual screening and ADME-tox guided approach to identify triazolo-quinoxalines as folate cycle inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7773-7785.	1.4	20

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19	Inhibitor of Ovarian Cancer Cells Growth by Virtual Screening: A New Thiazole Derivative Targeting Human Thymidylate Synthase. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10272-10276.	2.9	20
20	Transcriptional Activation and Cell Cycle Block Are the Keys for 5-Fluorouracil Induced Up-Regulation of Human Thymidylate Synthase Expression. <i>PLoS ONE</i> , 2012, 7, e47318.	1.1	20
21	Virtual Screening and X-ray Crystallography Identify Non-Substrate Analog Inhibitors of Flavin-Dependent Thymidylate Synthase. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9269-9275.	2.9	19
22	Differential induction of spermidine/spermine N1-acetyltransferase activity in cisplatin-sensitive and -resistant ovarian cancer cells in response to N1,N12-bis(ethyl)spermine involves transcriptional and post-transcriptional regulation. <i>European Journal of Cancer</i> , 2001, 37, 281-289.	1.3	18
23	Effect of spermine on membrane-associated and membrane-inserted forms of protein kinase C. <i>Molecular and Cellular Biochemistry</i> , 1993, 124, 1-9.	1.4	17
24	Synthesis, chemical and biological studies on new Fe <sup>3+</sup> -glycosilated $\beta^2$ -diketo complexes for the treatment of iron deficiency. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 2549-2556.	2.6	17
25	Spermidine/spermine N1-acetyltransferase modulation by novel folate cycle inhibitors in cisplatin-sensitive and -resistant human ovarian cancer cell lines. <i>Gynecologic Oncology</i> , 2010, 117, 202-210.	0.6	17
26	Inhibition of cell growth by accumulated spermine is associated with a transient alteration of cell cycle progression. <i>Life Sciences</i> , 1996, 58, 2065-2072.	2.0	15
27	Polyamine depletion switches the form of 2-deoxy-d-ribose-induced cell death from apoptosis to necrosis in HL-60 cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 1238-1248.	1.2	15
28	Spermidine/spermine N 1 -acetyltransferase transient overexpression restores sensitivity of resistant human ovarian cancer cells to N 1 ,N 12 -bis(ethyl)spermine and to cisplatin. <i>Carcinogenesis</i> , 2005, 26, 1677-1686.	1.3	14
29	N-(naphthyl)-N <sup>2</sup> -(methoxy carbonyl)thiocarbamide and its Cu(I) complex: synthesis, spectroscopic, X-ray, DFT and <i>in vitro</i> cytotoxicity study. <i>Journal of Coordination Chemistry</i> , 2015, 68, 261-276.	0.8	14
30	<sup>1</sup> H, <sup>13</sup> C, <sup>195</sup> Pt NMR study on platinum(II) interaction with sulphur containing Amadori compounds. <i>Polyhedron</i> , 2007, 26, 4045-4052.	1.0	13
31	Experimental and theoretical exploration of molecular structure and anticancer properties of two N, N <sup>2</sup> -disubstituted thiocarbamide derivatives. <i>Journal of Molecular Structure</i> , 2019, 1175, 963-970.	1.8	13
32	Folic Acid <sup>2</sup> -Peptide Conjugates Combine Selective Cancer Cell Internalization with Thymidylate Synthase Dimer Interface Targeting. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3204-3221.	2.9	13
33	pH-Promoted Release of a Novel Anti-Tumour Peptide by $\alpha$ -Stealth-Liposomes: Effect of Nanocarriers on the Drug Activity in Cis-Platinum Resistant Cancer Cells. <i>Pharmaceutical Research</i> , 2018, 35, 206.	1.7	12
34	Human Thymidylate Synthase Inhibitors Halting Ovarian Cancer Growth. <i>Vitamins and Hormones</i> , 2018, 107, 473-513.	0.7	12
35	Monodentate Coordination of N, N <sup>2</sup> -Disubstituted Thiocarbamide Ligands: Syntheses, Structural Analyses, In Vitro Cytotoxicity and DNA Damage Studies of Cu(I) Complexes. <i>ChemistrySelect</i> , 2018, 3, 3675-3679.	0.7	11
36	Distamycin A and derivatives as synergic drugs in cisplatin-sensitive and -resistant ovarian cancer cells. <i>Amino Acids</i> , 2012, 42, 641-653.	1.2	10

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37	Translational repression of thymidylate synthase by targeting its mRNA. <i>Nucleic Acids Research</i> , 2013, 41, 4159-4170.	6.5	10
38	Internalization and Stability of a Thymidylate Synthase Peptide Inhibitor in Ovarian Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 10551-10556.	2.9	10
39	Intracellular quantitative detection of human thymidylate synthase engagement with an unconventional inhibitor using tetracysteine-diarsenical-probe technology. <i>Scientific Reports</i> , 2016, 6, 27198.	1.6	10
40	Cisplatin-resistance modulates the effect of protein synthesis inhibitors on spermidine/spermine N1-acetyltransferase expression. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 123-137.	1.2	9
41	Synthesis, characterization, Hirshfeld surface, cytotoxicity, DNA damage and cell cycle arrest studies of N, N-diphenyl-N'-(biphenyl-4-carbonyl/4-chlorobenzoyl) thiocarbamides. <i>Journal of Molecular Structure</i> , 2019, 1186, 333-344.	1.8	9
42	The 1,10-Phenanthroline Ligand Enhances the Antiproliferative Activity of DNA-Intercalating Thiourea-Pd(II) and -Pt(II) Complexes Against Cisplatin-Sensitive and -Resistant Human Ovarian Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6122.	1.8	9
43	Effect of spermine on association of protein kinase C with phospholipid vesicles. <i>Life Sciences</i> , 1990, 47, 1475-1482.	2.0	8
44	Synthesis, spectroscopic, crystal structure and in vitro cytotoxicity studies of N-thiophenyl-N <sup>ε</sup> -substituted phenyl thiocarbamide derivatives. <i>Journal of Molecular Structure</i> , 2019, 1180, 447-454.	1.8	8
45	Spermine protects protein kinase C from phospholipid-induced inactivation. <i>Experientia</i> , 1994, 50, 953-957.	1.2	7
46	Synthesis, molecular structure exploration and in vitro cytotoxicity screening of five novel N, N <sup>ε</sup> -disubstituted thiocarbamide derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018, 193, 507-514.	0.8	7
47	Proteomic and Bioinformatic Studies for the Characterization of Response to Pemetrexed in Platinum Drug Resistant Ovarian Cancer. <i>Frontiers in Pharmacology</i> , 2018, 9, 454.	1.6	7
48	Depletion of Trichoplein (TpMs) Causes Chromosome Mis-Segregation, DNA Damage and Chromosome Instability in Cancer Cells. <i>Cancers</i> , 2020, 12, 993.	1.7	7
49	Conformational Propensity and Biological Studies of Proline Mutated LR Peptides Inhibiting Human Thymidylate Synthase and Ovarian Cancer Cell Growth. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7374-7380.	2.9	6
50	Copper(I) complexes of N-(2/4 methoxy/2-chloro-4-nitro)phenyl-N <sup>ε</sup> (methoxycarbonyl)thiocarbamides as potential anticancer agents: Synthesis, crystal structure, in vitro cytotoxicity and DNA damage studies. <i>Polyhedron</i> , 2019, 170, 431-439.	1.0	5
51	Copper (I) complexes based on novel N, N <sup>ε</sup> -disubstituted thiocarbamides: Synthesis, spectroscopic, in vitro cytotoxicity, DNA damage and G0/G1 cell cycle arrest studies. <i>Inorganica Chimica Acta</i> , 2019, 491, 105-117.	1.2	5
52	A Peptidic Thymidylate-Synthase Inhibitor Loaded on Pegylated Liposomes Enhances the Antitumour Effect of Chemotherapy Drugs in Human Ovarian Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4452.	1.8	5
53	Cyclic Peptides Acting as Allosteric Inhibitors of Human Thymidylate Synthase and Cancer Cell Growth. <i>Molecules</i> , 2019, 24, 3493.	1.7	4
54	Exploring the Biological Activity of a Library of 1,2,5-Oxadiazole Derivatives Endowed With Antiproliferative Activity. <i>Anticancer Research</i> , 2019, 39, 135-144.	0.5	4

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55	The effect of spermine on calcium requirement for protein kinase C association with phospholipid vesicles. <i>International Journal of Biochemistry and Cell Biology</i> , 1995, 27, 783-788.	1.2	3
56	Synthesis, characterisation, Hirshfeld surface and <i>in vitro</i> cytotoxicity evaluation of new N-aryl-N <sup>2</sup> -Alkoxy carbonyl thiocarbamide derivatives. <i>Journal of Molecular Structure</i> , 2020, 1202, 127269.	1.8	3
57	Structural Bases for the Synergistic Inhibition of Human Thymidylate Synthase and Ovarian Cancer Cell Growth by Drug Combinations. <i>Cancers</i> , 2021, 13, 2061.	1.7	2
58	Identification of a Quinone Derivative as a YAP/TEAD Activity Modulator from a Repurposing Library. <i>Pharmaceutics</i> , 2022, 14, 391.	2.0	1
59	Structural, Hirshfeld surface and <i>in vitro</i> cytotoxicity evaluation of five new N-aryl-N <sup>2</sup> -alkoxy carbonyl thiocarbamide derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2020, 195, 812-820.	0.8	0
60	Telomere Dysfunction Is Associated with Altered DNA Organization in Trichoplein/Tchp/Mitostatin (TpMs) Depleted Cells. <i>Biomedicines</i> , 2022, 10, 1602.	1.4	0