Gaetano Marverti

List of Publications by Year in Descending Order

58 papers	998 citations	18 h-index	29 g-index
62 ext. papers	1,156 ext. citations	5.6 avg, IF	3.75 L-index

#	Paper	IF	Citations
58	Folic Acid-Peptide Conjugates Combine Selective Cancer Cell Internalization with Thymidylate Synthase Dimer Interface Targeting. *Journal of Medicinal Chemistry*, **2021**, 64, 3204-3221	8.3	4
57	Structural, Hirshfeld surface and in vitro cytotoxicity evaluation of five new N-aryl-N□alkoxycarbonyl thiocarbamide derivatives. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2020**, 195, 812-820	1	
56	A Peptidic Thymidylate-Synthase Inhibitor Loaded on Pegylated Liposomes Enhances the Antitumour Effect of Chemotherapy Drugs in Human Ovarian Cancer Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
55	Synthesis, characterisation, Hirshfeld surface and in vitro cytotoxicity evaluation of new N-aryl-N?-Alkoxycarbonyl thiocarbamide derivatives. *Journal of Molecular Structure*, **2020**, 1202, 127269	3.4	2
54	Depletion of Trichoplein (TpMs) Causes Chromosome Mis-Segregation, DNA Damage and Chromosome Instability in Cancer Cells. *Cancers*, **2020**, 12,	6.6	2
53	Cyclic Peptides Acting as Allosteric Inhibitors of Human Thymidylate Synthase and Cancer Cell Growth. *Molecules*, **2019**, 24,	4.8	2
52	Synthesis, characterization, Hirshfeld surface, cytotoxicity, DNA damage and cell cycle arrest studies of N, N-diphenyl-N'-(biphenyl-4-carbonyl/4-chlorobenzoyl) thiocarbamides. *Journal of Molecular Structure*, **2019**, 1186, 333-344	3.4	7
51	Copper (I) complexes based on novel N, N?-disubstituted thiocarbamides: Synthesis, spectroscopic, in vitro cytotoxicity, DNA damage and G0/G1 cell cycle arrest studies. *Inorganica Chimica Acta*, **2019**, 491, 105-117	2.7	2
50	Experimental and theoretical exploration of molecular structure and anticancer properties of two N, N?□disubstituted thiocarbamide derivatives. *Journal of Molecular Structure*, **2019**, 1175, 963-970	3.4	12
49	Copper(I) complexes of N-(2/4 methoxy/2-chloro-4-nitro)phenyl-N? (methoxycarbonyl)thiocarbamides as potential anticancer agents: Synthesis, crystal structure, in vitro cytotoxicity and DNA damage studies. *Polyhedron*, **2019**, 170, 431-439	2.7	3
48	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. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	3
47	Exploring the Biological Activity of a Library of 1,2,5-Oxadiazole Derivatives Endowed With Antiproliferative Activity. *Anticancer Research*, **2019**, 39, 135-144	2.3	1
46	Synthesis, spectroscopic, crystal structure and in□vitro cytotoxicity studies of N-thiophenoyl-N?-substituted phenyl thiocarbamide derivatives. *Journal of Molecular Structure*, **2019**, 1180, 447-454	3.4	7
45	Monodentate Coordination of N, N?-Disubstituted Thiocarbamide Ligands: Syntheses, Structural Analyses, In Vitro Cytotoxicity and DNA Damage Studies of Cu(I) Complexes. *ChemistrySelect*, **2018**, 3, 3675-3679	1.8	8
44	Synthesis, molecular structure exploration and in vitro cytotoxicity screening of five novel N, N?-disubstituted thiocarbamide derivatives. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2018**, 193, 507-514	1	6
43	Proteomic and Bioinformatic Studies for the Characterization of Response to Pemetrexed in Platinum Drug Resistant Ovarian Cancer. *Frontiers in Pharmacology*, **2018**, 9, 454	5.6	6
42	Conformational Propensity and Biological Studies of Proline Mutated LR Peptides Inhibiting Human Thymidylate Synthase and Ovarian Cancer Cell Growth. *Journal of Medicinal Chemistry*, **2018**, 61, 7374-7380	8.3	5

41	Human Thymidylate Synthase Inhibitors Halting Ovarian Cancer Growth. *Vitamins and Hormones*, **2018**, 107, 473-513	2.5	9
40	Repurposing of Drugs Targeting YAP-TEAD Functions. *Cancers*, **2018**, 10,	6.6	18
39	pH-Promoted Release of a Novel Anti-Tumour Peptide by "Stealth" Liposomes: Effect of Nanocarriers on the Drug Activity in Cis-Platinum Resistant Cancer Cells. *Pharmaceutical Research*, **2018**, 35, 206	4.5	8
38	Targeting Oxidatively Induced DNA Damage Response in Cancer: Opportunities for Novel Cancer Therapies. *Oxidative Medicine and Cellular Longevity*, **2018**, 2018, 2389523	6.7	60
37	Intracellular quantitative detection of human thymidylate synthase engagement with an unconventional inhibitor using tetracysteine-diarsenical-probe technology. *Scientific Reports*, **2016**, 6, 27198	4.9	10
36	Virtual Screening and X-ray Crystallography Identify Non-Substrate Analog Inhibitors of Flavin-Dependent Thymidylate Synthase. *Journal of Medicinal Chemistry*, **2016**, 59, 9269-9275	8.3	16
35	Inside the biochemical pathways of thymidylate synthase perturbed by anticancer drugs: Novel strategies to overcome cancer chemoresistance. *Drug Resistance Updates*, **2015**, 23, 20-54	23.2	38
34	N-(naphthyl)-N?-(methoxy carbonyl)thiocarbamide and its Cu(I) complex: synthesis, spectroscopic, X-ray, DFT and in vitro cytotoxicity study. *Journal of Coordination Chemistry*, **2015**, 68, 261-276	1.6	13
33	Internalization and stability of a thymidylate synthase Peptide inhibitor in ovarian cancer cells. *Journal of Medicinal Chemistry*, **2014**, 57, 10551-6	8.3	9
32	Optimization of peptides that target human thymidylate synthase to inhibit ovarian cancer cell growth. *Journal of Medicinal Chemistry*, **2014**, 57, 1355-67	8.3	17
31	Mass spectrometric/bioinformatic identification of a protein subset that characterizes the cellular activity of anticancer peptides. *Journal of Proteome Research*, **2014**, 13, 5250-61	5.6	11
30	Translational repression of thymidylate synthase by targeting its mRNA. *Nucleic Acids Research*, **2013**, 41, 4159-70	20.1	8
29	Concurrent inhibition of enzymatic activity and NF-Y-mediated transcription of Topoisomerase-II by bis-DemethoxyCurcumin in cancer cells. *Cell Death and Disease*, **2013**, 4, e756	9.8	20
28	Modulation of the expression of folate cycle enzymes and polyamine metabolism by berberine in cisplatin-sensitive and -resistant human ovarian cancer cells. *International Journal of Oncology*, **2013**, 43, 1269-80	4.4	36
27	Distamycin A and derivatives as synergic drugs in cisplatin-sensitive and -resistant ovarian cancer cells. *Amino Acids*, **2012**, 42, 641-53	3.5	8
26	Inhibitor of ovarian cancer cells growth by virtual screening: a new thiazole derivative targeting human thymidylate synthase. *Journal of Medicinal Chemistry*, **2012**, 55, 10272-6	8.3	18
25	Transcriptional activation and cell cycle block are the keys for 5-fluorouracil induced up-regulation of human thymidylate synthase expression. *PLoS ONE*, **2012**, 7, e47318	3.7	18
24	Newly synthesized curcumin derivatives: crosstalk between chemico-physical properties and biological activity. *Journal of Medicinal Chemistry*, **2011**, 54, 8066-77	8.3	66

23	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. *Investigational New Drugs*, **2011**, 29, 73-86	4.3	20
22	Correction for Cardinale et al., Protein-protein interface-binding peptides inhibit the cancer therapy target human thymidylate synthase. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 16133-16133	11.5	78
21	Protein-protein interface-binding peptides inhibit the cancer therapy target human thymidylate synthase. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, E542-9	11.5	66
20	Spermidine/spermine N1-acetyltranferase modulation by novel folate cycle inhibitors in cisplatin-sensitive and -resistant human ovarian cancer cell lines. *Gynecologic Oncology*, **2010**, 117, 202-10	4.9	9
19	Ligand-based virtual screening and ADME-tox guided approach to identify triazolo-quinoxalines as folate cycle inhibitors. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 7773-85	3.4	20
18	Collateral sensitivity to novel thymidylate synthase inhibitors correlates with folate cycle enzymes impairment in cisplatin-resistant human ovarian cancer cells. *European Journal of Pharmacology*, **2009**, 615, 17-26	5.3	27
17	Synthesis, cytotoxic and combined cDDP activity of new stable curcumin derivatives. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 3043-52	3.4	65
16	Studies on the anti-proliferative effects of novel DNA-intercalating bipyridyl-thiourea-Pt(II) complexes against cisplatin-sensitive and -resistant human ovarian cancer cells. *Journal of Inorganic Biochemistry*, **2008**, 102, 699-712	4.2	45
15	Synthesis, chemical and biological studies on new Fe(3+)-glycosilated beta-diketo complexes for the treatment of iron deficiency. *European Journal of Medicinal Chemistry*, **2008**, 43, 2549-56	6.8	14
14	1H, 13C, 195Pt NMR study on platinum(II) interaction with sulphur containing Amadori compounds. *Polyhedron*, **2007**, 26, 4045-4052	2.7	9
13	Spermidine/spermine N1-acetyltransferase transient overexpression restores sensitivity of resistant human ovarian cancer cells to N1,N12-bis(ethyl)spermine and to cisplatin. *Carcinogenesis*, **2005**, 26, 1677-86	4.6	11
12	Polyamine depletion switches the form of 2-deoxy-D-ribose-induced cell death from apoptosis to necrosis in HL-60 cells. *International Journal of Biochemistry and Cell Biology*, **2004**, 36, 1238-48	5.6	13
11	Cisplatin-resistance modulates the effect of protein synthesis inhibitors on spermidine/spermine N(1)-acetyltransferase expression. *International Journal of Biochemistry and Cell Biology*, **2004**, 36, 123-37	5.6	7
10	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. *European Journal of Cancer*, **2001**, 37, 281-9	7.5	13
9	2-deoxy-d-ribose-induced apoptosis in HL-60 cells is associated with the cell cycle progression by spermidine. *Biochemical and Biophysical Research Communications*, **1999**, 257, 460-5	3.4	23
8	N1,N12-bis(ethyl)spermine effect on growth of cis-diamminedichloroplatinum(II)-sensitive and -resistant human ovarian-carcinoma cell lines. *International Journal of Cancer*, **1998**, 78, 33-40	7.5	19
7	Polyamine depletion protects HL-60 cells from 2-deoxy-D-ribose-induced apoptosis. *Life Sciences*, **1998**, 62, 799-806	6.8	19
6	Modulation of cis-diamminedichloroplatinum (II) accumulation and cytotoxicity by spermine in sensitive and resistant human ovarian carcinoma cells. *European Journal of Cancer*, **1997**, 33, 669-75	7.5	39

5	Inhibition of cell growth by accumulated spermine is associated with a transient alteration of cell cycle progression. *Life Sciences*, **1996**, 58, 2065-72	6.8	13
4	The effect of spermine on calcium requirement for protein kinase C association with phospholipid vesicles. *International Journal of Biochemistry and Cell Biology*, **1995**, 27, 783-8	5.6	3
3	Spermine protects protein kinase C from phospholipid-induced inactivation. *Experientia*, **1994**, 50, 953-7		7
2	Effect of spermine on membrane-associated and membrane-inserted forms of protein kinase C. *Molecular and Cellular Biochemistry*, **1993**, 124, 1-9	4.2	15
1	Effect of spermine on association of protein kinase C with phospholipid vesicles. *Life Sciences*, **1990**, 47, 1475-82	6.8	7