

Gaetano Marverti

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Correction for Cardinale et al., 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, 16133-16133	11.5	78
57	Newly synthesized curcumin derivatives: crosstalk between chemico-physical properties and biological activity. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 8066-77	8.3	66
56	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	11.5	66
55	Synthesis, cytotoxic and combined cDDP activity of new stable curcumin derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 3043-52	3.4	65
54	Targeting Oxidatively Induced DNA Damage Response in Cancer: Opportunities for Novel Cancer Therapies. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 2389523	6.7	60
53	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	4.2	45
52	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, 669-75	7.5	39
51	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	23.2	38
50	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, 1269-80	4.4	36
49	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	5.3	27
48	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, 460-5	3.4	23
47	Concurrent inhibition of enzymatic activity and NF-Y-mediated transcription of Topoisomerase-III β by bis-DemethoxyCurcumin in cancer cells. <i>Cell Death and Disease</i> , 2013 , 4, e756	9.8	20
46	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	4.3	20
45	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, 7773-85	3.4	20
44	N1,N12-bis(ethyl)spermine effect on growth of cis-diamminedichloroplatinum(II)-sensitive and -resistant human ovarian-carcinoma cell lines. <i>International Journal of Cancer</i> , 1998 , 78, 33-40	7.5	19
43	Polyamine depletion protects HL-60 cells from 2-deoxy-D-ribose-induced apoptosis. <i>Life Sciences</i> , 1998 , 62, 799-806	6.8	19
42	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, 10272-6	8.3	18

41	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	3.7	18
40	Repurposing of Drugs Targeting YAP-TEAD Functions. <i>Cancers</i> , 2018 , 10,	6.6	18
39	Optimization of peptides that target human thymidylate synthase to inhibit ovarian cancer cell growth. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 1355-67	8.3	17
38	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	8.3	16
37	Effect of spermine on membrane-associated and membrane-inserted forms of protein kinase C. <i>Molecular and Cellular Biochemistry</i> , 1993 , 124, 1-9	4.2	15
36	Synthesis, chemical and biological studies on new Fe(3+)-glycosilated beta-diketo complexes for the treatment of iron deficiency. <i>European Journal of Medicinal Chemistry</i> , 2008 , 43, 2549-56	6.8	14
35	N-(naphthyl)-N'-(methoxy carbonyl)thiocarbamide and its Cu(I) complex: synthesis, spectroscopic, X-ray, DFT and in vitro cytotoxicity study. <i>Journal of Coordination Chemistry</i> , 2015 , 68, 261-276	1.6	13
34	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, 1238-48	5.6	13
33	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, 281-9	7.5	13
32	Inhibition of cell growth by accumulated spermine is associated with a transient alteration of cell cycle progression. <i>Life Sciences</i> , 1996 , 58, 2065-72	6.8	13
31	Experimental and theoretical exploration of molecular structure and anticancer properties of two N, N'-disubstituted thiocarbamide derivatives. <i>Journal of Molecular Structure</i> , 2019 , 1175, 963-970	3.4	12
30	Mass spectrometric/bioinformatic identification of a protein subset that characterizes the cellular activity of anticancer peptides. <i>Journal of Proteome Research</i> , 2014 , 13, 5250-61	5.6	11
29	Spermidine/spermine N1-acetyltransferase transient overexpression restores sensitivity of resistant human ovarian cancer cells to N1,N12-bis(ethyl)spermine and to cisplatin. <i>Carcinogenesis</i> , 2005 , 26, 1677-86	4.6	11
28	Intracellular quantitative detection of human thymidylate synthase engagement with an unconventional inhibitor using tetracysteine-diarsenical-probe technology. <i>Scientific Reports</i> , 2016 , 6, 27198	4.9	10
27	Human Thymidylate Synthase Inhibitors Halting Ovarian Cancer Growth. <i>Vitamins and Hormones</i> , 2018 , 107, 473-513	2.5	9
26	Internalization and stability of a thymidylate synthase Peptide inhibitor in ovarian cancer cells. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 10551-6	8.3	9
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, 202-10	4.9	9
24	¹ H, ¹³ C, ¹⁹⁵ Pt NMR study on platinum(II) interaction with sulphur containing Amadori compounds. <i>Polyhedron</i> , 2007 , 26, 4045-4052	2.7	9

23	Monodentate Coordination of N, N?-Disubstituted Thiocarbamide Ligands: Syntheses, Structural Analyses, In Vitro Cytotoxicity and DNA Damage Studies of Cu(I) Complexes. <i>ChemistrySelect</i> , 2018 , 3, 3675-3679	1.8	8
22	Distamycin A and derivatives as synergic drugs in cisplatin-sensitive and -resistant ovarian cancer cells. <i>Amino Acids</i> , 2012 , 42, 641-53	3.5	8
21	Translational repression of thymidylate synthase by targeting its mRNA. <i>Nucleic Acids Research</i> , 2013 , 41, 4159-70	20.1	8
20	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. <i>Pharmaceutical Research</i> , 2018 , 35, 206	4.5	8
19	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	3.4	7
18	Cisplatin-resistance modulates the effect of protein synthesis inhibitors on spermidine/spermine N(1)-acetyltransferase expression. <i>International Journal of Biochemistry and Cell Biology</i> , 2004 , 36, 123-37	5.6	7
17	Spermine protects protein kinase C from phospholipid-induced inactivation. <i>Experientia</i> , 1994 , 50, 953-7		7
16	Effect of spermine on association of protein kinase C with phospholipid vesicles. <i>Life Sciences</i> , 1990 , 47, 1475-82	6.8	7
15	Synthesis, spectroscopic, crystal structure and in vitro cytotoxicity studies of N-thiophenoyl-N?-substituted phenyl thiocarbamide derivatives. <i>Journal of Molecular Structure</i> , 2019 , 1180, 447-454	3.4	7
14	Synthesis, molecular structure exploration and in vitro cytotoxicity screening of five novel N, N?-disubstituted thiocarbamide derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018 , 193, 507-514	1	6
13	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	5.6	6
12	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	8.3	5
11	Folic Acid-Peptide Conjugates Combine Selective Cancer Cell Internalization with Thymidylate Synthase Dimer Interface Targeting. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 3204-3221	8.3	4
10	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,	6.3	3
9	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. <i>Polyhedron</i> , 2019 , 170, 431-439	2.7	3
8	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, 783-8	5.6	3
7	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,	6.3	3
6	Cyclic Peptides Acting as Allosteric Inhibitors of Human Thymidylate Synthase and Cancer Cell Growth. <i>Molecules</i> , 2019 , 24,	4.8	2

- 5 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
- 4 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
- 3 Depletion of Trichoplein (TpMs) Causes Chromosome Mis-Segregation, DNA Damage and Chromosome Instability in Cancer Cells. *Cancers*, **2020**, 12, 6.6 2
- 2 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
- 1 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