Stefania Ferrari

List of Publications by Citations

61 papers	1,365 citations	19 h-index	35 g-index
67 ext. papers	1,598 ext. citations	6.8 avg, IF	3.77 L-index

#	Paper	IF	Citations
61	The Hippo Pathway and YAP/TAZ-TEAD Protein-Protein Interaction as Targets for Regenerative Medicine and Cancer Treatment. *Journal of Medicinal Chemistry*, **2015**, 58, 4857-73	8.3	109
60	Discovery of potent pteridine reductase inhibitors to guide antiparasite drug development. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 1448-53	11.5	106
59	2-Carboxyquinoxalines kill mycobacterium tuberculosis through noncovalent inhibition of DprE1. *ACS Chemical Biology*, **2015**, 10, 705-14	4.9	95
58	Thymidylate synthase structure, function and implication in drug discovery. *Current Medicinal Chemistry*, **2005**, 12, 2241-58	4.3	79
57	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
56	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
55	Virtual screening identification of nonfolate compounds, including a CNS drug, as antiparasitic agents inhibiting pteridine reductase. *Journal of Medicinal Chemistry*, **2011**, 54, 211-21	8.3	52
54	Update on antifolate drugs targets. *Current Drug Targets*, **2001**, 2, 135-66	3	44
53	Novel 3-benzoyl-2-piperazinylquinoxaline derivatives as potential antitumor agents. *Journal of Heterocyclic Chemistry*, **2006**, 43, 541-548	1.9	39
52	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
51	Homodimeric enzymes as drug targets. *Current Medicinal Chemistry*, **2010**, 17, 826-46	4.3	37
50	Current and Future Chemotherapy for Chagas Disease. *Current Medicinal Chemistry*, **2015**, 22, 4293-312	4.3	37
49	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
48	Structure-based selectivity optimization of piperidine-pteridine derivatives as potent Leishmania pteridine reductase inhibitors. *Journal of Medicinal Chemistry*, **2012**, 55, 8318-29	8.3	35
47	Profiling of Flavonol Derivatives for the Development of Antitrypanosomatidic Drugs. *Journal of Medicinal Chemistry*, **2016**, 59, 7598-616	8.3	30
46	Inhibitor specificity via protein dynamics: insights from the design of antibacterial agents targeted against thymidylate synthase. *Chemistry and Biology*, **2003**, 10, 1183-93		28
45	Chroman-4-One Derivatives Targeting Pteridine Reductase 1 and Showing Anti-Parasitic Activity. *Molecules*, **2017**, 22,	4.8	25

44	The structure of Enterococcus faecalis thymidylate synthase provides clues about folate bacterial metabolism. *Acta Crystallographica Section D: Biological Crystallography*, **2012**, 68, 1232-41		22
43	Antibacterial agent discovery using thymidylate synthase biolibrary screening. *Journal of Medicinal Chemistry*, **2006**, 49, 5958-68	8.3	22
42	Aryl thiosemicarbazones for the treatment of trypanosomatidic infections. *European Journal of Medicinal Chemistry*, **2018**, 146, 423-434	6.8	19
41	Hotspots in an obligate homodimeric anticancer target. Structural and functional effects of interfacial mutations in human thymidylate synthase. *Journal of Medicinal Chemistry*, **2015**, 58, 3572-81	8.3	18
40	Target-based approaches for the discovery of new antimycobacterial drugs. *Drug Discovery Today*, **2017**, 22, 576-584	8.8	18
39	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
38	Methoxylated 2Xhydroxychalcones as antiparasitic hit compounds. *European Journal of Medicinal Chemistry*, **2017**, 126, 1129-1135	6.8	17
37	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
36	Exploiting the 2-Amino-1,3,4-thiadiazole Scaffold To Inhibit Pteridine Reductase in Support of Early-Stage Drug Discovery. *ACS Omega*, **2017**, 2, 5666-5683	3.9	17
35	Improving specificity vs bacterial thymidylate synthases through N-dansyl modulation of didansyltyrosine. *Journal of Medicinal Chemistry*, **2005**, 48, 913-6	8.3	16
34	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
33	Dimer-monomer equilibrium of human thymidylate synthase monitored by fluorescence resonance energy transfer. *Protein Science*, **2010**, 19, 1023-30	6.3	15
32	Identification of the binding modes of N-phenylphthalimides inhibiting bacterial thymidylate synthase through X-ray crystallography screening. *Journal of Medicinal Chemistry*, **2011**, 54, 5454-67	8.3	13
31	Comparing Drug Images and Repurposing Drugs with BioGPS and FLAPdock: The Thymidylate Synthase Case. *ChemMedChem*, **2016**, 11, 1653-66	3.7	12
30	Aza-boronic acids as non-beta-lactam inhibitors of AmpC-beta-lactamase. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 3979-83	2.9	12
29	Structural Comparison of and Human Thymidylate Synthase Complexes with the Substrate dUMP and Its Analogue FdUMP Provides Hints about Enzyme Conformational Variabilities. *Molecules*, **2019**, 24,	4.8	11
28	Enhancement of Benzothiazoles as Pteridine Reductase-1 Inhibitors for the Treatment of Trypanosomatidic Infections. *Journal of Medicinal Chemistry*, **2019**, 62, 3989-4012	8.3	11
27	Sequence-based identification of specific drug target regions in the thymidylate synthase enzyme family. *ChemMedChem*, **2008**, 3, 392-401	3.7	11

26	Synthesis of N-(5,7-diamino-3-phenyl-quinoxalin-2-yl)-3,4,5-substituted anilines and N-[4[(5,7-diamino-3-phenylquinoxalin-2-yl)amino]benzoyl]-l-glutamic acid diethyl ester: evaluation of in vitro anti-cancer and anti-folate activities. *European Journal of Medicinal Chemistry*, **2008**, 43, 189-203	6.8	11
25	Discovery of a benzothiophene-flavonol halting miltefosine and antimonial drug resistance in Leishmania parasites through the application of medicinal chemistry, screening and genomics. *European Journal of Medicinal Chemistry*, **2019**, 183, 111676	6.8	10
24	Accelerating Drug Discovery Efforts for Trypanosomatidic Infections Using an Integrated Transnational Academic Drug Discovery Platform. *SLAS Discovery*, **2019**, 24, 346-361	3.4	9
23	X-ray crystal structures of Enterococcus faecalis thymidylate synthase with folate binding site inhibitors. *European Journal of Medicinal Chemistry*, **2016**, 123, 649-664	6.8	9
22	Human Thymidylate Synthase Inhibitors Halting Ovarian Cancer Growth. *Vitamins and Hormones*, **2018**, 107, 473-513	2.5	9
21	Internalization and stability of a thymidylate synthase Peptide inhibitor in ovarian cancer cells. *Journal of Medicinal Chemistry*, **2014**, 57, 10551-6	8.3	9
20	The structure of Cryptococcus neoformans thymidylate synthase suggests strategies for using target dynamics for species-specific inhibition. *Acta Crystallographica Section D: Biological Crystallography*, **2005**, 61, 1320-34		9
19	Ligand-based discovery of N-(1,3-dioxo-1H,3H-benzo[de]isochromen-5-yl)-carboxamide and sulfonamide derivatives as thymidylate synthase A inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 663-8	2.9	8
18	2-[N-Alkyl(R-phenyl)-aminomethyl]-3-phenyl-7-trifluoromethylquinoxalines as anticancer agents inhibitors of folate enzymes. *European Journal of Medicinal Chemistry*, **2014**, 75, 169-83	6.8	7
17	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
16	2′-Deoxyuridine 5′-monophosphate substrate displacement in thymidylate synthase through 6-hydroxy-2H-naphtho[1,8-bc]furan-2-one derivatives. *Journal of Medicinal Chemistry*, **2013**, 56, 9356-60	8.3	6
15	Biochemical effects of riluzole on Leishmania parasites. *Experimental Parasitology*, **2013**, 133, 250-4	2.1	6
14	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
13	Design and characterization of a mutation outside the active site of human thymidylate synthase that affects ligand binding. *Protein Engineering, Design and Selection*, **2010**, 23, 81-9	1.9	5
12	Protein–Protein Interaction Inhibitors: Case Studies on Small Molecules and Natural Compounds **2013**, 31-60		5
11	Constrained dansyl derivatives reveal bacterial specificity of highly conserved thymidylate synthases. *ChemBioChem*, **2008**, 9, 779-90	3.8	4
10	A step further in the discovery of phthalein derivatives as Thymidylate Synthase inhibitors. *Arkivoc*, **2004**, 2004, 382-396	0.9	4
9	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

List of Publications

8	Scaffolds and Biological Targets Avenue to Fight Against Drug Resistance in Leishmaniasis. *Annual Reports in Medicinal Chemistry*, **2018**, 51, 39-95	1.6	4
7	SAR Studies and Biological Characterization of a Chromen-4-one Derivative as an Anti- Agent. *ACS Medicinal Chemistry Letters*, **2019**, 10, 528-533	4.3	3
6	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
5	Identification of a 2,4-diaminopyrimidine scaffold targeting Trypanosoma brucei pteridine reductase 1 from the LIBRA compound library screening campaign. *European Journal of Medicinal Chemistry*, **2020**, 189, 112047	6.8	3
4	Targeting the Trypanosomatidic Enzymes Pteridine Reductase and Dihydrofolate Reductase **2013**, 445-472		2
3	Structural and Functional Characterization of the Human Thymidylate Synthase (hTS) Interface Variant R175C, New Perspectives for the Development of hTS Inhibitors. *Molecules*, **2019**, 24,	4.8	1
2	Intrinsic Fluorescence of the Active and the Inactive Functional Forms of Human Thymidylate Synthase. *ChemBioChem*, **2021**, 22, 1800-1810	3.8	1
1	Intrinsic Fluorometric Reporters of Pteridine Reductase 1, a Target for Antiparasitic Agents. *Physchem*, **2022**, 2, 131-144		