

Sabrina Lusvarghi

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,125
citations

394421

19
h-index

454955

30
g-index

59
all docs

59
docs citations

59
times ranked

1953
citing authors

#	ARTICLE	IF	CITATIONS
1	Griffithsin: An Antiviral Lectin with Outstanding Therapeutic Potential. <i>Viruses</i> , 2016, 8, 296.	3.3	108
2	SARS-CoV-2 BA.1 variant is neutralized by vaccine booster-elicited serum but evades most convalescent serum and therapeutic antibodies. <i>Science Translational Medicine</i> , 2022, 14, eabn8543.	12.4	75
3	Synthesis, stereoelectronic characterization and antiparasitic activity of new 1-benzenesulfonyl-2-methyl-1,2,3,4-tetrahydroquinolines. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 142-150.	3.0	59
4	Loop and Backbone Modifications of Peptide Nucleic Acid Improve G-Quadruplex Binding Selectivity. <i>Journal of the American Chemical Society</i> , 2009, 131, 18415-18424.	13.7	56
5	Targeted Isolation of Antibodies Directed against Major Sites of SIV Env Vulnerability. <i>PLoS Pathogens</i> , 2016, 12, e1005537.	4.7	51
6	Avapritinib: A Selective Inhibitor of KIT and PDGFR β that Reverses ABCB1 and ABCG2-Mediated Multidrug Resistance in Cancer Cell Lines. <i>Molecular Pharmaceutics</i> , 2019, 16, 3040-3052.	4.6	49
7	Retrotransposon Ty1 RNA contains a 5' terminal long-range pseudoknot required for efficient reverse transcription. <i>Rna</i> , 2013, 19, 320-332.	3.5	34
8	HIV-1 gp120 as a therapeutic target: navigating a moving labyrinth. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 765-783.	3.4	34
9	Exploring Ty1 retrotransposon RNA structure within virus-like particles. <i>Nucleic Acids Research</i> , 2013, 41, 463-473.	14.5	33
10	Tivantinib, A c-Met Inhibitor in Clinical Trials, Is Susceptible to ABCG2-Mediated Drug Resistance. <i>Cancers</i> , 2020, 12, 186.	3.7	33
11	Key Substitutions in the Spike Protein of SARS-CoV-2 Variants Can Predict Resistance to Monoclonal Antibodies, but Other Substitutions Can Modify the Effects. <i>Journal of Virology</i> , 2022, 96, JVI0111021.	3.4	29
12	The FLT3 inhibitor midostaurin selectively resensitizes ABCB1-overexpressing multidrug-resistant cancer cells to conventional chemotherapeutic agents. <i>Cancer Letters</i> , 2019, 445, 34-44.	7.2	28
13	Reversing the direction of drug transport mediated by the human multidrug transporter P-glycoprotein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29609-29617.	7.1	28
14	The HIV-2 Rev-response element: determining secondary structure and defining folding intermediates. <i>Nucleic Acids Research</i> , 2013, 41, 6637-6649.	14.5	27
15	Sitravatinib, a Tyrosine Kinase Inhibitor, Inhibits the Transport Function of ABCG2 and Restores Sensitivity to Chemotherapy-Resistant Cancer Cells in vitro. <i>Frontiers in Oncology</i> , 2020, 10, 700.	2.8	25
16	Licochalcone A Selectively Resensitizes ABCG2-Overexpressing Multidrug-Resistant Cancer Cells to Chemotherapeutic Drugs. <i>Journal of Natural Products</i> , 2020, 83, 1461-1472.	3.0	25
17	Multidrug transporters: recent insights from cryo-electron microscopy-derived atomic structures and animal models. <i>F1000Research</i> , 2020, 9, 17.	1.6	25
18	SARS-CoV-2 Delta Variant Displays Moderate Resistance to Neutralizing Antibodies and Spike Protein Properties of Higher Soluble ACE2 Sensitivity, Enhanced Cleavage and Fusogenic Activity. <i>Viruses</i> , 2021, 13, 2485.	3.3	23

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19	A High-Throughput Screen of a Library of Therapeutics Identifies Cytotoxic Substrates of P-glycoprotein. <i>Molecular Pharmacology</i> , 2019, 96, 629-640.	2.3	22
20	Mapping discontinuous epitopes for MRK-16, UIC2 and 4E3 antibodies to extracellular loops 1 and 4 of human P-glycoprotein. <i>Scientific Reports</i> , 2018, 8, 12716.	3.3	21
21	The third-generation EGFR inhibitor almonertinib (HS-10296) resensitizes ABCB1-overexpressing multidrug-resistant cancer cells to chemotherapeutic drugs. <i>Biochemical Pharmacology</i> , 2021, 188, 114516.	4.4	21
22	Binding Site Geometry and Subdomain Valency Control Effects of Neutralizing Lectins on HIV-1 Viral Particles. <i>ACS Infectious Diseases</i> , 2016, 2, 882-891.	3.8	20
23	ATP-dependent thermostabilization of human P-glycoprotein (ABCB1) is blocked by modulators. <i>Biochemical Journal</i> , 2019, 476, 3737-3750.	3.7	20
24	Overexpression of ABCB1 and ABCG2 contributes to reduced efficacy of the PI3K/mTOR inhibitor samotolisib (LY3023414) in cancer cell lines. <i>Biochemical Pharmacology</i> , 2020, 180, 114137.	4.4	19
25	Large-scale purification of functional human P-glycoprotein (ABCB1). <i>Protein Expression and Purification</i> , 2019, 159, 60-68.	1.3	18
26	Evidence for the critical role of transmembrane helices 1 and 7 in substrate transport by human P-glycoprotein (ABCB1). <i>PLoS ONE</i> , 2018, 13, e0204693.	2.5	17
27	ABC-transporter upregulation mediates resistance to the CDK7 inhibitors THZ1 and ICEC0942. <i>Oncogene</i> , 2020, 39, 651-663.	5.9	17
28	Mechanistic basis of breast cancer resistance protein inhibition by new indeno[1,2-b]indoles. <i>Scientific Reports</i> , 2021, 11, 1788.	3.3	17
29	Characterization and tissue localization of zebrafish homologs of the human ABCB1 multidrug transporter. <i>Scientific Reports</i> , 2021, 11, 24150.	3.3	15
30	Synthesis and Characterization of Bodipy-FL-Cyclosporine A as a Substrate for Multidrug Resistance-Linked P-Glycoprotein (ABCB1). <i>Drug Metabolism and Disposition</i> , 2019, 47, 1013-1023.	3.3	13
31	RNA Secondary Structure Prediction Using High-throughput SHAPE. <i>Journal of Visualized Experiments</i> , 2013, , e50243.	0.3	12
32	BMS-599626, a Highly Selective Pan-HER Kinase Inhibitor, Antagonizes ABCG2-Mediated Drug Resistance. <i>Cancers</i> , 2020, 12, 2502.	3.7	11
33	Refined multivalent display of bacterial spore-binding peptides. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1815.	2.8	10
34	The Selective Class IIa Histone Deacetylase Inhibitor TMP195 Resensitizes ABCB1- and ABCG2-Overexpressing Multidrug-Resistant Cancer Cells to Cytotoxic Anticancer Drugs. <i>International Journal of Molecular Sciences</i> , 2020, 21, 238.	4.1	10
35	Overexpression of Human ABCB1 and ABCG2 Reduces the Susceptibility of Cancer Cells to the Histone Deacetylase 6-Specific Inhibitor Citarinostat. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2592.	4.1	9
36	OTS964, a TOPK Inhibitor, Is Susceptible to ABCG2-Mediated Drug Resistance. <i>Frontiers in Pharmacology</i> , 2021, 12, 620874.	3.5	8

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37	Glycopeptide Mimetics Recapitulate High-Mannose Type Oligosaccharide Binding and Function. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5603-5608.	13.8	7
38	Design and synthesis of small molecule-sulfotyrosine mimetics that inhibit HIV-1 entry. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1718-1728.	3.0	7
39	Does the ATP-bound EQ mutant reflect the pre- or post-ATP hydrolysis state in the catalytic cycle of human P-glycoprotein (ABCB1)? <i>FEBS Letters</i> , 2021, 595, 750-762.	2.8	6
40	Mechanistic Insights into Photodynamic Regulation of Adenosine 5'-Triphosphate-Binding Cassette Drug Transporters. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1578-1587.	4.9	5
41	MY-5445, a phosphodiesterase type 5 inhibitor, resensitizes ABCG2-overexpressing multidrug-resistant cancer cells to cytotoxic anticancer drugs. <i>American Journal of Cancer Research</i> , 2020, 10, 164-178.	1.4	5
42	PBK/TOPK inhibitor OTS964 resistance is mediated by ABCB1-dependent transport function in cancer: in vitro and in vivo study. <i>Molecular Cancer</i> , 2022, 21, 40.	19.2	5
43	Use of photoimmunoconjugates to characterize ABCB1 in cancer cells. <i>Nanophotonics</i> , 2021, 10, 3049-3061.	6.0	4
44	Interaction of A3 adenosine receptor ligands with the human multidrug transporter ABCG2. <i>European Journal of Medicinal Chemistry</i> , 2022, 231, 114103.	5.5	3
45	Novel Biochemical Tools for Probing HIV RNA Structure. <i>Methods in Molecular Biology</i> , 2016, 1354, 91-117.	0.9	2
46	Chemical and Biophysical Approaches for Complete Characterization of Lectin-Carbohydrate Interactions. <i>Methods in Enzymology</i> , 2018, 598, 3-35.	1.0	1
47	Synthesis and characterization of BODIPY-cyclosporine A as a substrate for both human and mouse multidrug resistance-linked P-glycoprotein. <i>FASEB Journal</i> , 2019, 33, 656.10.	0.5	0