

Martin Michaelis

List of Publications by Citations

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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.

114
papers

3,980
citations

29
h-index

61
g-index

140
ext. papers

5,344
ext. citations

8.3
avg, IF

5.69
L-index

#	Paper	IF	Citations
114	Proteomics of SARS-CoV-2-infected host cells reveals therapy targets. <i>Nature</i> , 2020 , 583, 469-472	50.4	498
113	Papain-like protease regulates SARS-CoV-2 viral spread and innate immunity. <i>Nature</i> , 2020 , 587, 657-662	50.4	418
112	Evidence of SARS-CoV-2 Infection in Returning Travelers from Wuhan, China. <i>New England Journal of Medicine</i> , 2020 , 382, 1278-1280	59.2	397
111	Antiviral activity of glycyrrhizic acid derivatives against SARS-coronavirus. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 1256-9	8.3	246
110	N-acetyl-L-cysteine (NAC) inhibits virus replication and expression of pro-inflammatory molecules in A549 cells infected with highly pathogenic H5N1 influenza A virus. <i>Biochemical Pharmacology</i> , 2010 , 79, 413-20	6	126
109	Differential antiviral and anti-inflammatory mechanisms of the flavonoids biochanin A and baicalein in H5N1 influenza A virus-infected cells. <i>Antiviral Research</i> , 2013 , 97, 41-8	10.8	122
108	Glycyrrhizin exerts antioxidative effects in H5N1 influenza A virus-infected cells and inhibits virus replication and pro-inflammatory gene expression. <i>PLoS ONE</i> , 2011 , 6, e19705	3.7	104
107	Anti-cancer effects of artesunate in a panel of chemoresistant neuroblastoma cell lines. <i>Biochemical Pharmacology</i> , 2010 , 79, 130-6	6	89
106	Lack of antiviral activity of darunavir against SARS-CoV-2. <i>International Journal of Infectious Diseases</i> , 2020 , 97, 7-10	10.5	87
105	Reversal of P-glycoprotein-mediated multidrug resistance by the murine double minute 2 antagonist nutlin-3. <i>Cancer Research</i> , 2009 , 69, 416-21	10.1	82
104	Investigation of the influence of EPs 7630, a herbal drug preparation from <i>Pelargonium sidoides</i> , on replication of a broad panel of respiratory viruses. <i>Phytomedicine</i> , 2011 , 18, 384-6	6.5	81
103	Cisplatin resistance in non-small cell lung cancer cells is associated with an abrogation of cisplatin-induced G2/M cell cycle arrest. <i>PLoS ONE</i> , 2017 , 12, e0181081	3.7	76
102	SAMHD1 is a biomarker for cytarabine response and a therapeutic target in acute myeloid leukemia. <i>Nature Medicine</i> , 2017 , 23, 250-255	50.5	72
101	Chemoresistance is associated with increased cytoprotective autophagy and diminished apoptosis in bladder cancer cells treated with the BH3 mimetic (-)-Gossypol (AT-101). <i>BMC Cancer</i> , 2015 , 15, 224	4.8	58
100	Inhibition of cytomegalovirus immediate early gene expression: a therapeutic option?. <i>Antiviral Research</i> , 2001 , 49, 129-45	10.8	56
99	Identification of flubendazole as potential anti-neuroblastoma compound in a large cell line screen. <i>Scientific Reports</i> , 2015 , 5, 8202	4.9	54
98	Development of resistance to vincristine and doxorubicin in neuroblastoma alters malignant properties and induces additional karyotype changes: a preclinical model. <i>International Journal of Cancer</i> , 2003 , 104, 36-43	7.5	52

97	Anticancer effects of the nitric oxide-modified saquinavir derivative saquinavir-NO against multidrug-resistant cancer cells. <i>Neoplasia</i> , 2010 , 12, 1023-30	6.4	46
96	Comparison of pro-inflammatory cytokine expression and cellular signal transduction in human macrophages infected with different influenza A viruses. <i>Medical Microbiology and Immunology</i> , 2011 , 200, 53-60	4	44
95	Onconase induces caspase-independent cell death in chemoresistant neuroblastoma cells. <i>Cancer Letters</i> , 2007 , 250, 107-16	9.9	42
94	Aprotinin Inhibits SARS-CoV-2 Replication. <i>Cells</i> , 2020 , 9,	7.9	42
93	Optimized qRT-PCR Approach for the Detection of Intra- and Extra-Cellular SARS-CoV-2 RNAs. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	40
92	Primary Cilia Mediate Diverse Kinase Inhibitor Resistance Mechanisms in Cancer. <i>Cell Reports</i> , 2018 , 23, 3042-3055	10.6	40
91	Of chickens and men: avian influenza in humans. <i>Current Molecular Medicine</i> , 2009 , 9, 131-51	2.5	38
90	The threat of avian influenza A (H5N1). Part IV: Development of vaccines. <i>Medical Microbiology and Immunology</i> , 2007 , 196, 213-25	4	36
89	SARS-CoV-2 and SARS-CoV differ in their cell tropism and drug sensitivity profiles		33
88	Aurora kinases as targets in drug-resistant neuroblastoma cells. <i>PLoS ONE</i> , 2014 , 9, e108758	3.7	32
87	Oncolytic effects of a novel influenza A virus expressing interleukin-15 from the NS reading frame. <i>PLoS ONE</i> , 2012 , 7, e36506	3.7	31
86	Drug-Resistant Urothelial Cancer Cell Lines Display Diverse Sensitivity Profiles to Potential Second-Line Therapeutics. <i>Translational Oncology</i> , 2015 , 8, 210-6	4.9	29
85	The multi-targeted kinase inhibitor sorafenib inhibits human cytomegalovirus replication. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 1079-90	10.3	28
84	Botanical drugs and supplements affecting the immune response in the time of COVID-19: Implications for research and clinical practice. <i>Phytotherapy Research</i> , 2021 , 35, 3013-3031	6.7	28
83	Conserved differences in protein sequence determine the human pathogenicity of Ebolaviruses. <i>Scientific Reports</i> , 2016 , 6, 23743	4.9	27
82	Chemoresistance induces enhanced adhesion and transendothelial penetration of neuroblastoma cells by down-regulating NCAM surface expression. <i>BMC Cancer</i> , 2006 , 6, 294	4.8	27
81	A cell culture platform for <i>Cryptosporidium</i> that enables long-term cultivation and new tools for the systematic investigation of its biology. <i>International Journal for Parasitology</i> , 2018 , 48, 197-201	4.3	27
80	Doxorubicin-loaded human serum albumin nanoparticles overcome transporter-mediated drug resistance in drug-adapted cancer cells. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1707-1715	3	26

79	The trimeric autotransporter adhesin Ata controls key virulence traits of. <i>Virulence</i> , 2019 , 10, 68-81	4.7	25
78	Artesunate Impairs Growth in Cisplatin-Resistant Bladder Cancer Cells by Cell Cycle Arrest, Apoptosis and Autophagy Induction. <i>Cells</i> , 2020 , 9,	7.9	25
77	Effects of YM155 on survivin levels and viability in neuroblastoma cells with acquired drug resistance. <i>Cell Death and Disease</i> , 2016 , 7, e2410	9.8	25
76	Effects of flavonoid-induced oxidative stress on anti-H5N1 influenza a virus activity exerted by baicalein and biochanin A. <i>BMC Research Notes</i> , 2014 , 7, 384	2.3	25
75	Risks Posed by Reston, the Forgotten Ebolavirus. <i>MSphere</i> , 2016 , 1,	5	25
74	The threat of avian influenza A (H5N1). Part III: Antiviral therapy. <i>Medical Microbiology and Immunology</i> , 2007 , 196, 203-12	4	24
73	Past and future trends of Cryptosporidium in vitro research. <i>Experimental Parasitology</i> , 2019 , 196, 28-37	2.1	23
72	Testing of SNS-032 in a Panel of Human Neuroblastoma Cell Lines with Acquired Resistance to a Broad Range of Drugs. <i>Translational Oncology</i> , 2013 , 6, 685-96	4.9	20
71	Chemoresistance acquisition induces a global shift of expression of angiogenesis-associated genes and increased pro-angiogenic activity in neuroblastoma cells. <i>Molecular Cancer</i> , 2009 , 8, 80	42.1	20
70	Role of human cytomegalovirus genotype polymorphisms in AIDS patients with cytomegalovirus retinitis. <i>Medical Microbiology and Immunology</i> , 2013 , 202, 37-47	4	19
69	Tumor cells infected with oncolytic influenza A virus prime natural killer cells for lysis of resistant tumor cells. <i>Medical Microbiology and Immunology</i> , 2010 , 199, 93-101	4	19
68	Pharmacological activity of DTPA linked to protein-based drug carrier systems. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 323, 1236-40	3.4	19
67	Reduced interferon antagonism but similar drug sensitivity in Omicron variant compared to Delta variant of SARS-CoV-2 isolates.. <i>Cell Research</i> , 2022 ,	24.7	19
66	Environmental conditions shape the nature of a minimal bacterial genome. <i>Nature Communications</i> , 2019 , 10, 3100	17.4	18
65	Resistance acquisition to MDM2 inhibitors. <i>Biochemical Society Transactions</i> , 2014 , 42, 752-7	5.1	18
64	Resistance to nanoparticle albumin-bound paclitaxel is mediated by ABCB1 in urothelial cancer cells. <i>Oncology Letters</i> , 2017 , 13, 4085-4092	2.6	17
63	Isolation, Characterization, Differentiation and Immunomodulatory Capacity of Mesenchymal Stromal/Stem Cells from Human Perirenal Adipose Tissue. <i>Cells</i> , 2019 , 8,	7.9	17
62	Selective inactivation of hypomethylating agents by SAMHD1 provides a rationale for therapeutic stratification in AML. <i>Nature Communications</i> , 2019 , 10, 3475	17.4	16

61	COVID-19-Related Coagulopathy-Is Transferrin a Missing Link?. <i>Diagnostics</i> , 2020 , 10,	3.8	16
60	Cytomegalovirus-specific cytokine-induced killer cells: concurrent targeting of leukemia and cytomegalovirus. <i>Cytotherapy</i> , 2015 , 17, 1139-51	4.8	15
59	Karanjin interferes with ABCB1, ABCC1, and ABCG2. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2014 , 17, 92-105	3.4	15
58	Antiviral and immunomodulatory effects of desferrioxamine in cytomegalovirus-infected rat liver allografts with rejection. <i>Transplantation</i> , 1999 , 68, 1753-61	1.8	15
57	Utilising the EGFR interactome to identify mechanisms of drug resistance in non-small cell lung cancer - Proof of concept towards a systems pharmacology approach. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 94, 20-32	5.1	15
56	Key Players of Cisplatin Resistance: Towards a Systems Pharmacology Approach. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	14
55	The structural basis for cancer drug interactions with the catalytic and allosteric sites of SAMHD1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10022-E10031	11.5	14
54	Thiourea and Guanidine Compounds and Their Iridium Complexes in Drug-Resistant Cancer Cell Lines: Structure-Activity Relationships and Direct Luminescent Imaging. <i>ChemMedChem</i> , 2020 , 15, 349-353	3.7	12
53	Incorporation of doxorubicin in different polymer nanoparticles and their anticancer activity. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 2062-2072	3	11
52	Shikonin Reduces Growth of Docetaxel-Resistant Prostate Cancer Cells Mainly through Necroptosis. <i>Cancers</i> , 2021 , 13,	6.6	11
51	A Cell Culture Platform for the Cultivation of <i>Cryptosporidium parvum</i> . <i>Current Protocols in Microbiology</i> , 2019 , 53, e80	7.1	10
50	SAMHD1 is a key regulator of the lineage-specific response of acute lymphoblastic leukaemias to nelarabine. <i>Communications Biology</i> , 2020 , 3, 324	6.7	10
49	The Thrombopoietin Receptor Agonist Eltrombopag Inhibits Human Cytomegalovirus Replication Via Iron Chelation. <i>Cells</i> , 2019 , 9,	7.9	10
48	Werner Helicase Is a Synthetic-Lethal Vulnerability in Mismatch Repair-Deficient Colorectal Cancer Refractory to Targeted Therapies, Chemotherapy, and Immunotherapy. <i>Cancer Discovery</i> , 2021 , 11, 1923-1937	24.1	10
47	Synthetic lethal hubs associated with vincristine resistant neuroblastoma. <i>Molecular BioSystems</i> , 2011 , 7, 200-14		9
46	In vitro activity of itraconazole against SARS-CoV-2. <i>Journal of Medical Virology</i> , 2021 , 93, 4454-4460	19.7	9
45	Evaluation of stability and inactivation methods of SARS-CoV-2 in context of laboratory settings. <i>Medical Microbiology and Immunology</i> , 2021 , 210, 235-244	4	9
44	Blocking integrin $\alpha 5 \beta 1$ decreases adhesion in chemoresistant urothelial cancer cell lines. <i>Oncology Letters</i> , 2017 , 14, 5513-5518	2.6	8

43	Is the Bombali virus pathogenic in humans?. <i>Bioinformatics</i> , 2019 , 35, 3553-3558	7.2	8
42	ABCG2 impairs the activity of the aurora kinase inhibitor tozasertib but not of alisertib. <i>BMC Research Notes</i> , 2015 , 8, 484	2.3	8
41	Enzastaurin inhibits ABCB1-mediated drug efflux independently of effects on protein kinase C signalling and the cellular p53 status. <i>Oncotarget</i> , 2015 , 6, 17605-20	3.3	8
40	Targeting the Pentose Phosphate Pathway for SARS-CoV-2 Therapy. <i>Metabolites</i> , 2021 , 11,	5.6	8
39	Towards image-based cancer cell lines authentication using deep neural networks. <i>Scientific Reports</i> , 2020 , 10, 19857	4.9	8
38	Omeprazole Increases the Efficacy of Acyclovir Against Herpes Simplex Virus Type 1 and 2. <i>Frontiers in Microbiology</i> , 2019 , 10, 2790	5.7	8
37	Herd Immunity to Ebolaviruses Is Not a Realistic Target for Current Vaccination Strategies. <i>Frontiers in Immunology</i> , 2018 , 9, 1025	8.4	7
36	Investigating Ebola virus pathogenicity using molecular dynamics. <i>BMC Genomics</i> , 2017 , 18, 566	4.5	7
35	Miyabeacin: A new cyclodimer presents a potential role for willow in cancer therapy. <i>Scientific Reports</i> , 2020 , 10, 6477	4.9	7
34	Drug-adapted cancer cell lines as preclinical models of acquired resistance. 2019 , 2, 447-456		6
33	Substrate-specific effects of pirinixic acid derivatives on ABCB1-mediated drug transport. <i>Oncotarget</i> , 2016 , 7, 11664-76	3.3	5
32	Incorporation of doxorubicin in different polymer nanoparticles and their anti-cancer activity		5
31	Pelargonium Extract EPs 7630 in the Treatment of Human Corona Virus-Associated Acute Respiratory Tract Infections - A Secondary Subgroup-Analysis of an Open-Label, Uncontrolled Clinical Trial. <i>Frontiers in Pharmacology</i> , 2021 , 12, 666546	5.6	5
30	Testing of the Survivin Suppressant YM155 in a Large Panel of Drug-Resistant Neuroblastoma Cell Lines. <i>Cancers</i> , 2020 , 12,	6.6	4
29	Non-Phosphorylatable PEA-15 Sensitises SKOV-3 Ovarian Cancer Cells to Cisplatin. <i>Cells</i> , 2020 , 9,	7.9	4
28	Acquired resistance to oxaliplatin is not directly associated with increased resistance to DNA damage in SK-N-ASrOXALI4000, a newly established oxaliplatin-resistant sub-line of the neuroblastoma cell line SK-N-AS. <i>PLoS ONE</i> , 2017 , 12, e0172140	3.7	4
27	Changes associated with Ebola virus adaptation to novel species. <i>Bioinformatics</i> , 2017 , 33, 1911-1915	7.2	4
26	ABCB1 as predominant resistance mechanism in cells with acquired SNS-032 resistance. <i>Oncotarget</i> , 2016 , 7, 58051-58064	3.3	4

25	Differentially conserved amino acid positions may reflect differences in SARS-CoV-2 and SARS-CoV behaviour. <i>Bioinformatics</i> , 2021 ,	7.2	4
24	Understanding of researcher behavior is required to improve data reliability. <i>GigaScience</i> , 2019 , 8,	7.6	3
23	Ibuprofen, Flurbiprofen, Etoricoxib or Paracetamol Do Not Influence ACE2 Expression and Activity In Vitro or in Mice and Do Not Exacerbate In-Vitro SARS-CoV-2 Infection.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	3
22	Assessment of PI3K/mTOR/AKT Pathway Elements to Serve as Biomarkers and Therapeutic Targets in Penile Cancer. <i>Cancers</i> , 2021 , 13,	6.6	3
21	A Potential Role of the CD47/SIRPalpha Axis in COVID-19 Pathogenesis. <i>Current Issues in Molecular Biology</i> , 2021 , 43, 1212-1225	2.9	3
20	Enisamium is an inhibitor of the SARS-CoV-2 RNA polymerase and shows improvement of recovery in COVID-19 patients in an interim analysis of a clinical trial 2021 ,		3
19	SARS-CoV-2 Omicron variant virus isolates are highly sensitive to interferon treatment.. <i>Cell Discovery</i> , 2022 , 8, 42	22.3	3
18	Towards an unbiased, collaborative effort to reach evidence about the presence of human cytomegalovirus in glioblastoma (and other tumors). <i>Neuro-Oncology</i> , 2015 , 17, 1039	1	2
17	Computational analysis of Ebolavirus data: prospects, promises and challenges. <i>Biochemical Society Transactions</i> , 2016 , 44, 973-8	5.1	2
16	Reduced interferon antagonism but similar drug sensitivity in Omicron variant compared to Delta variant SARS-CoV-2 isolates		2
15	What really matters - response and resistance in cancer therapy		2
14	Gene Expression Signature of Acquired Chemoresistance in Neuroblastoma Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
13	Discovery of -Enprioline as a Novel Drug for the Treatment of Vincristine Resistant Neuroblastoma. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
12	Characterization of ACE Inhibitors and ATR Antagonists with Regard to Their Effect on ACE2 Expression and Infection with SARS-CoV-2 Using a Caco-2 Cell Model. <i>Life</i> , 2021 , 11,	3	2
11	Development and optimisation of a high-throughput screening assay for in vitro anti-SARS-CoV-2 activity: evaluation of 5676 phase 1 passed structures.. <i>Journal of Medical Virology</i> , 2022 ,	19.7	2
10	YM155-Adapted Cancer Cell Lines Reveal Drug-Induced Heterogeneity and Enable the Identification of Biomarker Candidates for the Acquired Resistance Setting. <i>Cancers</i> , 2020 , 12,	6.6	1
9	Long-term cultivation using ineffective MDM2 inhibitor concentrations alters the drug sensitivity profiles of PL21 leukaemia cells. <i>Experimental Results</i> , 2020 , 1,	1.3	1
8	Artesunate Inhibits the Growth Behavior of Docetaxel-Resistant Prostate Cancer Cells.. <i>Frontiers in Oncology</i> , 2022 , 12, 789284	5.3	1

7	Differences between intrinsic and acquired nucleoside analogue resistance in acute myeloid leukaemia cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021 , 40, 317	12.8	1
6	Investigating the unknown functions in the minimal bacterial genome reveals many transporter proteins		1
5	TP53 mutations and drug sensitivity in acute myeloid leukaemia cells with acquired MDM2 inhibitor resistance		1
4	Constitutive Cell Proliferation Regulating Inhibitor of Protein Phosphatase 2A (CIP2A) Mediates Drug Resistance to Erlotinib in an EGFR Activating Mutated NSCLC Cell Line. <i>Cells</i> , 2021 , 10,	7.9	1
3	CD47 as a potential biomarker for the early diagnosis of severe COVID-19		1
2	Repurposing in vitro approaches for screening anti-parasitic drugs against the brain-eating amoeba <i>Naegleria fowleri</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2021 , 17, 204-212	4	0
1	CMV-Specific Cytokine-Induced Killer Cells Comprise Concomitant Cytotoxicity Against Leukemia and Cytomegalovirus. <i>Blood</i> , 2014 , 124, 5814-5814	2.2	