

Jaromir Mikes

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

3,136
citations

201575

27
h-index

175177

52
g-index

70
all docs

70
docs citations

70
times ranked

6333
citing authors

#	ARTICLE	IF	CITATIONS
1	Stereotypic Immune System Development in Newborn Children. <i>Cell</i> , 2018, 174, 1277-1292.e14.	13.5	478
2	A genome-wide transcriptomic analysis of protein-coding genes in human blood cells. <i>Science</i> , 2019, 366, .	6.0	329
3	Bifidobacteria-mediated immune system imprinting early in life. <i>Cell</i> , 2021, 184, 3884-3898.e11.	13.5	312
4	Systems-Level Immunomonitoring from Acute to Recovery Phase of Severe COVID-19. <i>Cell Reports Medicine</i> , 2020, 1, 100078.	3.3	160
5	Lichen secondary metabolites are responsible for induction of apoptosis in HT-29 and A2780 human cancer cell lines. <i>Toxicology in Vitro</i> , 2012, 26, 462-468.	1.1	142
6	Variable responses of different human cancer cells to the lichen compounds parietin, atranorin, usnic acid and gyrophoric acid. <i>Toxicology in Vitro</i> , 2011, 25, 37-44.	1.1	132
7	The repertoire of maternal anti-viral antibodies in human newborns. <i>Nature Medicine</i> , 2019, 25, 591-596.	15.2	96
8	B cell alterations during BAFF inhibition with belimumab in SLE. <i>EBioMedicine</i> , 2019, 40, 517-527.	2.7	88
9	STRT-seq-2i: dual-index 5 ^Ê 1 single cell and nucleus RNA-seq on an addressable microwell array. <i>Scientific Reports</i> , 2017, 7, 16327.	1.6	69
10	Integration of molecular profiles in a longitudinal wellness profiling cohort. <i>Nature Communications</i> , 2020, 11, 4487.	5.8	66
11	Drug efflux transporters, MRP1 and BCRP, affect the outcome of hypericin-mediated photodynamic therapy in HT-29 adenocarcinoma cells. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1716-1723.	1.6	61
12	Down-regulation of Bcl-2 and Akt induced by combination of photoactivated hypericin and genistein in human breast cancer cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010, 98, 25-34.	1.7	61
13	Mass Cytometry and Topological Data Analysis Reveal Immune Parameters Associated with Complications after Allogeneic Stem Cell Transplantation. <i>Cell Reports</i> , 2017, 20, 2238-2250.	2.9	59
14	Cytotoxic activity of proflavine diureas: Synthesis, antitumor, evaluation and DNA binding properties of 1 ^Ê 2,1 ^Ê 3-(acridin-3,6-diyl)-3 ^Ê 2,3 ^Ê 3-dialkyldiureas. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3976-3984.	1.4	58
15	B cell profiling in malaria reveals expansion and remodeling of CD11c+ B cell subsets. <i>JCI Insight</i> , 2019, 4, .	2.3	48
16	Necrosis predominates in the cell death of human colon adenocarcinoma HT-29 cells treated under variable conditions of photodynamic therapy with hypericin. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 758-766.	1.6	44
17	High Level of Low-density Lipoprotein Receptors Enhance Hypericin Uptake by U-87 MG Cells in the Presence of LDL. <i>Photochemistry and Photobiology</i> , 2007, 84, 071018085748002-???	1.3	42
18	3,6-Bis(3-alkylguanidino)acridines as DNA-intercalating antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2012, 57, 283-295.	2.6	39

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19	Inhibition of DNA topoisomerases I and II and growth inhibition of HL-60 cells by novel acridine-based compounds. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 76, 192-202.	1.9	37
20	Combining Flow and Mass Cytometry in the Search for Biomarkers in Chronic Graft-versus-Host Disease. <i>Frontiers in Immunology</i> , 2017, 8, 717.	2.2	37
21	Single pre-treatment with hypericin, a St. John's wort secondary metabolite, attenuates cisplatin- and mitoxantrone-induced cell death in A2780, A2780cis and HL-60 cells. <i>Toxicology in Vitro</i> , 2014, 28, 1259-1273.	1.1	34
22	Human Immune System Variation during 1 Year. <i>Cell Reports</i> , 2020, 32, 107923.	2.9	34
23	The role of p53 in the efficiency of photodynamic therapy with hypericin and subsequent long-term survival of colon cancer cells. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1558-1567.	1.6	32
24	Synchrotron based Fourier-transform infrared microspectroscopy as sensitive technique for the detection of early apoptosis in U-87 MG cells. <i>Laser Physics Letters</i> , 0, 7, 613-620.	0.6	31
25	Brassinin and its derivatives as potential anticancer agents. <i>Toxicology in Vitro</i> , 2014, 28, 909-915.	1.1	31
26	Resveratrol enhances the chemopreventive effect of celecoxib in chemically induced breast cancer in rats. <i>European Journal of Cancer Prevention</i> , 2014, 23, 506-513.	0.6	30
27	PUFAs enhance oxidative stress and apoptosis in tumour cells exposed to hypericin-mediated PDT. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1244-1251.	1.6	29
28	Preventive effects of probiotic bacteria <i>Lactobacillus plantarum</i> and dietary fiber in chemically-induced mammary carcinogenesis. <i>Anticancer Research</i> , 2014, 34, 4969-75.	0.5	29
29	The pro-apoptotic and anti-invasive effects of hypericin-mediated photodynamic therapy are enhanced by hyperforin or aristoforin in HT-29 colon adenocarcinoma cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 117, 115-125.	1.7	28
30	Tacrine derivatives as dual topoisomerase I and II catalytic inhibitors. <i>Bioorganic Chemistry</i> , 2015, 59, 168-176.	2.0	26
31	Modulation of Hypericin Photodynamic Therapy by Pretreatment with 12 Various Inhibitors of Arachidonic Acid Metabolism in Colon Adenocarcinoma HT-29 Cells. <i>Photochemistry and Photobiology</i> , 2007, 83, 1174-1185.	1.3	25
32	Flow cytometric determination of 5-bromo-2-deoxyuridine pharmacokinetics in blood serum after intraperitoneal administration to rats and mice. <i>Histochemistry and Cell Biology</i> , 2014, 142, 703-712.	0.8	25
33	Hypericin-induced Photocytotoxicity is Connected with G2/M Arrest in HT-29 and S-Phase Arrest in U937 Cells. <i>Photochemistry and Photobiology</i> , 2006, 82, 1285.	1.3	24
34	Microwhip Scorpions (Palpigradi) Feed on Heterotrophic Cyanobacteria in Slovak Caves – A Curiosity among Arachnida. <i>PLoS ONE</i> , 2013, 8, e75989.	1.1	24
35	Cadmium-induced stimulation of stress-protein hsp70 in lichen photobiont <i>Trebouxia erici</i> . <i>Plant Growth Regulation</i> , 2006, 50, 159-164.	1.8	22
36	Mass Cytometry Identifies Distinct Lung CD4+ T Cell Patterns in Löfgren's Syndrome and Non-Löfgren's Syndrome Sarcoidosis. <i>Frontiers in Immunology</i> , 2017, 8, 1130.	2.2	22

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37	Erythropoietin inhibits apoptosis induced by photodynamic therapy in ovarian cancer cells. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 2263-2271.	1.9	20
38	Novel trisubstituted acridines as human telomeric quadruplex binding ligands. <i>Bioorganic Chemistry</i> , 2014, 57, 13-29.	2.0	20
39	Conjunction of glutathione level, NAD(P)H/FAD redox status and hypericin content as a potential factor affecting colon cancer cell resistance to photodynamic therapy with hypericin. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 470-483.	1.3	19
40	Pre-treatment of HT-29 cells with 5-LOX inhibitor (MK-886) induces changes in cell cycle and increases apoptosis after photodynamic therapy with hypericin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2006, 84, 79-88.	1.7	18
41	Mechanisms involved in the cell cycle and apoptosis of HT-29 cells pre-treated with MK-886 prior to photodynamic therapy with hypericin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2008, 93, 108-118.	1.7	17
42	Degradation of HER2 Receptor Through Hypericin-mediated Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2010, 86, 200-205.	1.3	17
43	Photoactivated Hypericin Induces Downregulation of HER2 Gene Expression. <i>Radiation Research</i> , 2011, 175, 51-56.	0.7	16
44	Lower sensitivity of FHC fetal colon epithelial cells to photodynamic therapy compared to HT-29 colon adenocarcinoma cells despite higher intracellular accumulation of hypericin. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 626-632.	1.6	16
45	YM155, a small molecule inhibitor of survivin expression, sensitizes cancer cells to hypericin-mediated photodynamic therapy. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 812-821.	1.6	16
46	Mass cytometry identifies distinct CD4+ T cell clusters distinguishing HIV-1-infected patients according to antiretroviral therapy initiation. <i>JCI Insight</i> , 2019, 4, .	2.3	15
47	Hypericin-mediated Photocytotoxic Effect on HT-29 Adenocarcinoma Cells Is Reduced by Light Fractionation with Longer Dark Pause Between Two Unequal Light Doses. <i>Photochemistry and Photobiology</i> , 2005, 81, 1411.	1.3	13
48	Potential of hypericin-mediated photodynamic therapy cytotoxicity by MK-886: Focus on ABC transporters, GDF-15 and redox status. <i>Photodiagnosis and Photodynamic Therapy</i> , 2015, 12, 490-503.	1.3	13
49	NF- κ B is Not Directly Responsible for Photoresistance Induced by Fractionated Light Delivery in HT-29 Colon Adenocarcinoma Cells. <i>Photochemistry and Photobiology</i> , 2010, 86, 1285-1293.	1.3	12
50	Food sources of selected terrestrial cave arthropods. <i>Subterranean Biology</i> , 0, 16, 37-46.	5.0	12
51	Proadifen sensitizes resistant ovarian adenocarcinoma cells to cisplatin. <i>Toxicology Letters</i> , 2016, 243, 56-66.	0.4	11
52	Inhibition of GSK-3 β reverses the pro-apoptotic effect of proadifen (SKF-525A) in HT-29 colon adenocarcinoma cells. <i>Toxicology in Vitro</i> , 2012, 26, 775-782.	1.1	9
53	Hypericin affects cancer side populations via competitive inhibition of BCRP. <i>Biomedicine and Pharmacotherapy</i> , 2018, 99, 511-522.	2.5	9
54	Automated Cell Processing for Mass Cytometry Experiments. <i>Methods in Molecular Biology</i> , 2019, 1989, 111-123.	0.4	9

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55	Effect of CTLA4â€¦g (abatacept) treatment on T cells and B cells in peripheral blood of patients with polymyositis and dermatomyositis. <i>Scandinavian Journal of Immunology</i> , 2019, 89, e12732.	1.3	8
56	Interaction of cholinesterase modulators with DNA and their cytotoxic activity. <i>International Journal of Biological Macromolecules</i> , 2014, 64, 53-62.	3.6	6
57	Isolation, cultivation and characterisation of pigeon osteoblasts seeded on xenogeneic demineralised cancellous bone scaffold for bone grafting. <i>Veterinary Research Communications</i> , 2014, 38, 221-228.	0.6	4
58	Peroral administration of 5-bromo-2-deoxyuridine in drinking water is not a reliable method for labeling proliferating S-phase cells in rats. <i>Journal of Pharmacological and Toxicological Methods</i> , 2015, 74, 33-39.	0.3	4
59	Comparison of In Vitro Antileukemic Activity of 4-Hydroperoxyifosfamide and 4-Hydroperoxycyclophosphamide. <i>Anticancer Research</i> , 2017, 37, 6355-6361.	0.5	4
60	Continuous Immune Cell Differentiation Inferred From Single-Cell Measurements Following Allogeneic Stem Cell Transplantation. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 81.	1.6	3
61	Erythropoietin and Ovarian Cancer â€œ Response. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1071-1071.	1.9	1
62	Breast Cancer and Current Therapeutic Approaches: From Radiation to Photodynamic Therapy. , 0, , .		1
63	Procedure for improved cleaning of FACSAria cuvette flow cell. , 2013, 83A, 523-527.		0