

Peter Fedorocko

List of Publications by Year in descending order

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85
papers

1,840
citations

279798

23
h-index

315739

38
g-index

85
all docs

85
docs citations

85
times ranked

2475
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.4	142
2	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.	2.4	132
3	Hypericin in the Light and in the Dark: Two Sides of the Same Coin. <i>Frontiers in Plant Science</i> , 2016, 7, 560.	3.6	122
4	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.	2.9	61
5	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.	3.8	61
6	Cytotoxic activity of proflavine diureas: Synthesis, antitumor, evaluation and DNA binding properties of 1- ϵ^2 ,1- ϵ^3 -(acridin-3,6-diyl)-3- ϵ^2 ,3- ϵ^3 -dialkyldiureas. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3976-3984.	3.0	58
7	Irradiation induces increased production of haemopoietic and proinflammatory cytokines in the mouse lung. <i>International Journal of Radiation Biology</i> , 2002, 78, 305-313.	1.8	57
8	Potency of non-steroidal anti-inflammatory drugs in chemotherapy. <i>Molecular and Clinical Oncology</i> , 2015, 3, 3-12.	1.0	51
9	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.	2.9	44
10	3,6-Bis(3-alkylguanidino)acridines as DNA-intercalating antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2012, 57, 283-295.	5.5	39
11	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.	4.0	37
12	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.	2.4	34
13	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.	2.9	32
14	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.	1.3	30
15	Platinum(IV) complex with adamantylamine overcomes intrinsic resistance to cisplatin in ovarian cancer cells. <i>Gynecologic Oncology</i> , 2006, 102, 32-40.	1.4	29
16	PUFAs enhance oxidative stress and apoptosis in tumour cells exposed to hypericin-mediated PDT. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1244-1251.	2.9	29
17	Histone deacetylase inhibitors potentiate photodynamic therapy in colon cancer cells marked by chromatin-mediated epigenetic regulation of CDKN1A. <i>Clinical Epigenetics</i> , 2017, 9, 62.	4.1	29
18	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.	3.8	28

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19	Breast cancer resistance protein is the enemy of hypericin accumulation and toxicity of hypericin-mediated photodynamic therapy. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 2173-2181.	5.6	28
20	Tacrine derivatives as dual topoisomerase I and II catalytic inhibitors. <i>Bioorganic Chemistry</i> , 2015, 59, 168-176.	4.1	26
21	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.	2.5	25
22	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.	1.7	25
23	New spiro tria(thia)zolidine-acridines as topoisomerase inhibitors, DNA binders and cytostatic compounds. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 690-700.	7.5	25
24	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.	2.5	24
25	Enhanced Antiproliferative and Apoptotic Response of HT-29 Adenocarcinoma Cells to Combination of Photoactivated Hypericin and Farnesyltransferase Inhibitor Manumycin A. <i>International Journal of Molecular Sciences</i> , 2011, 12, 8388-8405.	4.1	22
26	Drug membrane transporters and CYP3A4 are affected by hypericin, hyperforin or aristoforin in colon adenocarcinoma cells. <i>Biomedicine and Pharmacotherapy</i> , 2016, 81, 38-47.	5.6	21
27	Erythropoietin inhibits apoptosis induced by photodynamic therapy in ovarian cancer cells. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 2263-2271.	4.1	20
28	Novel trisubstituted acridines as human telomeric quadruplex binding ligands. <i>Bioorganic Chemistry</i> , 2014, 57, 13-29.	4.1	20
29	DNA-protective activities of hyperforin and aristoforin. <i>Toxicology in Vitro</i> , 2015, 29, 631-637.	2.4	20
30	Effect of Acetazolamide on Hypericin Photocytotoxicity. <i>Planta Medica</i> , 2002, 68, 658-660.	1.3	19
31	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.	2.6	19
32	Novel Insights into the Effect of Hyperforin and Photodynamic Therapy with Hypericin on Chosen Angiogenic Factors in Colorectal Micro-Tumors Created on Chorioallantoic Membrane. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3004.	4.1	19
33	Pulmonary fibroblasts stimulate the proliferation of cell lines from human lung adenocarcinomas. <i>Anti-Cancer Drugs</i> , 2006, 17, 771-781.	1.4	18
34	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.	3.8	18
35	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.	3.8	17
36	Degradation of HER2 Receptor Through Hypericin-mediated Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2010, 86, 200-205.	2.5	17

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37	<i>In vitro</i> investigating of anticancer activity of new 7-MEOTA-tacrine heterodimers. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 877-897.	5.2	17
38	Radioprotection of Mice by the Bacterial Extract Broncho-Vaxom [®] : Haemopoietic Stem Cells and Survival Enhancement. <i>International Journal of Radiation Biology</i> , 1992, 61, 511-518.	1.8	16
39	Photoactivated Hypericin Induces Downregulation of HER2 Gene Expression. <i>Radiation Research</i> , 2011, 175, 51-56.	1.5	16
40	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.	2.9	16
41	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.	2.9	16
42	Liposomal Muramyl Tripeptide Phosphatidylethanolamine (MTP-PE) Promotes Haemopoietic Recovery in Irradiated Mouse. <i>International Journal of Radiation Biology</i> , 1994, 65, 465-475.	1.8	14
43	Photoinduced antitumour effect of hypericin can be enhanced by fractionated dosing. <i>Phytomedicine</i> , 2005, 12, 680-683.	5.3	14
44	Antitumor effect of the combination of manumycin A and Immodin is associated with antiplatelet activity and increased granulocyte tumor infiltration in a 4T1 breast tumor model. <i>Oncology Reports</i> , 2017, 37, 368-378.	2.6	14
45	Fluorinated 3,6,9-trisubstituted acridine derivatives as DNA interacting agents and topoisomerase inhibitors with A549 antiproliferative activity. <i>Bioorganic Chemistry</i> , 2020, 94, 103393.	4.1	14
46	Combined modality radioprotection: enhancement of survival and hematopoietic recovery in gamma-irradiated mice by the joint use of liposomal muramyl tripeptide phosphatidylethanolamine (mtp-pe) and indomethacin. <i>International Journal of Immunopharmacology</i> , 1996, 18, 329-337.	1.1	13
47	The Effect of Nonsteroidal Anti-inflammatory Drugs Ibuprofen, Flurbiprofen, and Diclofenac on In Vitro and In Vivo Growth of Mouse Fibrosarcoma. <i>Cancer Investigation</i> , 2002, 20, 490-498.	1.3	13
48	In Vitro Proliferation of Fibrosarcoma Cells Depends on Intact Functions of Lipoxygenases and Cytochrome P-450-Monooxygenase. <i>Cancer Investigation</i> , 2004, 22, 234-247.	1.3	13
49	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.	2.5	13
50	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.	2.6	13
51	Tacrine-Coumarin Derivatives as Topoisomerase Inhibitors with Antitumor Effects on A549 Human Lung Carcinoma Cancer Cell Lines. <i>Molecules</i> , 2021, 26, 1133.	3.8	13
52	Immunomodulative effect of liposomized muramyltripeptide phosphatidylethanolamine (L-MTP-PE) on mice with alveolar echinococcosis and treated with albendazole. <i>Parasitology Research</i> , 2008, 103, 919-929.	1.6	12
53	Radioprotective effects of combination broncho-Vaxom, a macrophage activator, and indomethacin, an inhibitor of prostaglandin production: relationship to myelopoiesis. <i>European Journal of Haematology</i> , 1996, 56, 54-61.	2.2	12
54	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.	2.5	12

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55	Radioprotective effects of WR-2721, Broncho-Vaxom [®] and their combinations: Survival, myelopoietic restoration and induction of colony-stimulating activity in mice. <i>International Journal of Immunopharmacology</i> , 1994, 16, 177-184.	1.1	11
56	Photodynamic therapy of murine fibrosarcoma with topical and systemic administration of Hypericin. <i>Phytomedicine</i> , 2001, 8, 325-330.	5.3	11
57	Proadifen sensitizes resistant ovarian adenocarcinoma cells to cisplatin. <i>Toxicology Letters</i> , 2016, 243, 56-66.	0.8	11
58	Low-dimensional compounds containing bioactive ligands. Part XII: Synthesis, structures, spectra, in vitro antimicrobial and cytotoxic activities of zinc(II) complexes with halogen derivatives of quinolin-8-ol. <i>Polyhedron</i> , 2019, 170, 447-457.	2.2	11
59	Acridine Based N-Acylhydrazone Derivatives as Potential Anticancer Agents: Synthesis, Characterization and ctDNA/HSA Spectroscopic Binding Properties. <i>Molecules</i> , 2022, 27, 2883.	3.8	11
60	Location and the functionality of erythropoietin receptor(s) in A2780 cells. <i>Oncology Reports</i> , 2012, 28, 141-6.	2.6	10
61	Multifunctional Nanoplatforms as a Novel Effective Approach in Photodynamic Therapy and Chemotherapy, to Overcome Multidrug Resistance in Cancer. <i>Pharmaceutics</i> , 2022, 14, 1075.	4.5	10
62	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.	2.4	9
63	Synthesis, spectral characterization, DNA binding ability and anti-cancer screening of new acridine-based derivatives. <i>Medicinal Chemistry Research</i> , 2017, 26, 2309-2321.	2.4	9
64	Hypericin affects cancer side populations via competitive inhibition of BCRP. <i>Biomedicine and Pharmacotherapy</i> , 2018, 99, 511-522.	5.6	9
65	Histomorphological changes in murine fibrosarcoma after hypericin-based photodynamic therapy. <i>Phytomedicine</i> , 2007, 14, 172-178.	5.3	7
66	Combination of photoactive hypericin and Manumycin A exerts multiple anticancer effects on oxaliplatin-resistant colorectal cells. <i>Toxicology in Vitro</i> , 2020, 66, 104860.	2.4	7
67	Administration of the bacterial extract Broncho-Vaxom [®] enhances radiation recovery and myelopoietic regeneration. <i>Immunopharmacology</i> , 1994, 28, 163-170.	2.0	6
68	Interaction of cholinesterase modulators with DNA and their cytotoxic activity. <i>International Journal of Biological Macromolecules</i> , 2014, 64, 53-62.	7.5	6
69	New nanostructured nickel-polymer nanohybrids with improved surface hydrophobicity and effect on the living cells adhesion. <i>Applied Surface Science</i> , 2015, 355, 553-561.	6.1	6
70	Potentiality, Limitations, and Consequences of Different Experimental Models to Improve Photodynamic Therapy for Cancer Treatment in Relation to Antiangiogenic Mechanism. <i>Cancers</i> , 2020, 12, 2118.	3.7	6
71	Death Receptor 5 (TNFRSF10B) Is Upregulated and TRAIL Resistance Is Reversed in Hypoxia and Normoxia in Colorectal Cancer Cell Lines after Treatment with Skyrin, the Active Metabolite of Hypericum spp.. <i>Cancers</i> , 2021, 13, 1646.	3.7	6
72	Influence of age and K, Mg aspartate (Cardilan) on murine haemopoiesis. <i>Mechanisms of Ageing and Development</i> , 2000, 119, 159-170.	4.6	5

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73	Photodynamic Therapy with Hypericin Improved by Targeting HSP90 Associated Proteins. <i>Pharmaceuticals</i> , 2011, 4, 1488-1502.	3.8	5
74	In vitro study of disodium cromoglicate as a novel effective hydrotrope solvent for hypericin utilisation in photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 206, 111855.	3.8	5
75	Radioprotection of haemopoietic stem cells by a single injection of bacterial lysate " IRS-19 administered to mice before or after irradiation. <i>International Journal of Immunopharmacology</i> , 2000, 22, 989-999.	1.1	4
76	Human erythropoietin increases the pro-angiogenic potential of A2780 ovarian adenocarcinoma cells under hypoxic conditions. <i>Oncology Reports</i> , 2013, 30, 1455-1462.	2.6	4
77	Downregulation of BCRP and anti-apoptotic proteins by proadifen (SKF-525A) is responsible for the enhanced mitoxantrone accumulation and toxicity in mitoxantrone-resistant human promyelocytic leukemia cells. <i>International Journal of Oncology</i> , 2015, 47, 1572-1584.	3.3	4
78	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.	0.7	4
79	The potential of hypericin and hyperforin for antiadhesion therapy to prevent metastasis of parental and oxaliplatin-resistant human adenocarcinoma cells (HT-29). <i>Anti-Cancer Drugs</i> , 2018, 29, 983-994.	1.4	4
80	Comparison of In Vitro Antileukemic Activity of 4-Hydroperoxyifosfamide and 4-Hydroperoxycyclophosphamide. <i>Anticancer Research</i> , 2017, 37, 6355-6361.	1.1	4
81	Synthesis of New Biscoumarin Derivatives, In Vitro Cholinesterase Inhibition, Molecular Modelling and Antiproliferative Effect in A549 Human Lung Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3830.	4.1	3
82	Tumor-Host Interactions Accompanying the Growth of the G:5:113 Fibrosarcoma in the Mouse: Possibilities for a New Therapeutic Approach?. <i>Cancer Investigation</i> , 2003, 21, 227-236.	1.3	1
83	Erythropoietin and Ovarian Cancer " Response. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1071-1071.	4.1	1
84	Breast Cancer and Current Therapeutic Approaches: From Radiation to Photodynamic Therapy. , 0, , .		1
85	Procedure for improved cleaning of FACSAria cuvette flow cell. , 2013, 83A, 523-527.		0