

Patrick J Bednarski

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,309
citations

361413

20
h-index

361022

35
g-index

46
all docs

46
docs citations

46
times ranked

2046
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoactivatable Platinum Complexes. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2007, 7, 75-93.	1.7	213
2	Novel C,N-Cyclometalated Benzimidazole Ruthenium(II) and Iridium(III) Complexes as Antitumor and Antiangiogenic Agents: A Structure-Activity Relationship Study. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7310-7327.	6.4	118
3	Correlations between the activities of 19 anti-tumor agents and the intracellular glutathione concentrations in a panel of 14 human cancer cell lines: comparisons with the National Cancer Institute data. <i>Anti-Cancer Drugs</i> , 2006, 17, 41-51.	1.4	95
4	Light-Activated Destruction of Cancer Cell Nuclei by Platinum Diazide Complexes. <i>Chemistry and Biology</i> , 2006, 13, 61-67.	6.0	92
5	Synthesis, crystal structure and biological activities of copper(II) complexes with chelating bidentate 2-substituted benzimidazole ligands. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1389-1398.	3.5	91
6	Degradation and intermediates of diclofenac as instructive example for decomposition of recalcitrant pharmaceuticals by hydroxyl radicals generated with pulsed corona plasma in water. <i>Journal of Hazardous Materials</i> , 2018, 342, 651-660.	12.4	69
7	Synthesis, X-ray Crystal Structures, Stabilities, and in Vitro Cytotoxic Activities of New Heteroarylacrylonitriles. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 3438-3449.	6.4	48
8	Investigation of the in Vitro Metabolism of the Analgesic Flupirtine. <i>Drug Metabolism and Disposition</i> , 2009, 37, 479-493.	3.3	39
9	EXAFS, DFT, Light-Induced Nucleobase Binding, and Cytotoxicity of the Photoactive Complex $[Ru(bpy)_2(CO)Cl]^+$. <i>Organometallics</i> , 2010, 29, 6703-6710.	2.3	38
10	Effects of light-activated diazido-Pt(IV) complexes on cancer cells in vitro. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120118.	3.4	34
11	Comparison of Cellular Death Pathways after mTHPC-mediated Photodynamic Therapy (PDT) in Five Human Cancer Cell Lines. <i>Cancers</i> , 2019, 11, 702.	3.7	33
12	Photoactivation of Diiodido-Pt(IV) Complexes Coupled to Upconverting Nanoparticles. <i>Molecular Pharmaceutics</i> , 2016, 13, 2346-2362.	4.6	29
13	Synthesis, Structure, Chemical Stability, and In Vitro Cytotoxic Properties of Novel Quinoline-3-Carbaldehyde Hydrazones Bearing a 1,2,4-Triazole or Benzotriazole Moiety. <i>Molecules</i> , 2018, 23, 1497.	3.8	28
14	Assessment of cisplatin concentration and depth of penetration in human lung tissue after hyperthermic exposure. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, 563-566.	1.4	26
15	Metabolic activation and analgesic effect of flupirtine in healthy subjects, influence of the polymorphic NAT2, UGT1A1 and GSTP1. <i>British Journal of Clinical Pharmacology</i> , 2015, 79, 501-513.	2.4	26
16	Pentathiepins: A Novel Class of Glutathione Peroxidase 1 Inhibitors that Induce Oxidative Stress, Loss of Mitochondrial Membrane Potential and Apoptosis in Human Cancer Cells. <i>ChemMedChem</i> , 2020, 15, 1515-1528.	3.2	24
17	Rigidity versus Flexibility: Is This an Issue in f_1 Receptor Ligand Affinity and Activity?. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5505-5519.	6.4	23
18	Hybrid Molecules Composed of 2,4-Diamino-1,3,5-triazines and 2-Imino-Coumarins and Coumarins. Synthesis and Cytotoxic Properties. <i>Molecules</i> , 2018, 23, 1616.	3.8	23

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19	Identification of a glutathione peroxidase inhibitor that reverses resistance to anticancer drugs in human B-cell lymphoma cell lines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6712-6715.	2.2	21
20	Structural Diversity of Copper(II) Complexes with N-(2-Pyridyl)Imidazolidin-2-Ones(Thiones) and Their in Vitro Antitumor Activity. <i>Molecules</i> , 2014, 19, 17026-17051.	3.8	20
21	Correlations between the activities of 19 standard anticancer agents, antioxidative enzyme activities and the expression of ATP-binding cassette transporters: comparison with the National Cancer Institute data. <i>Anti-Cancer Drugs</i> , 2007, 18, 389-404.	1.4	18
22	Flupirtine and retigabine as templates for ligand-based drug design of KV7.2/3 activators. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4512-4522.	2.8	18
23	Quantitative LC-MS/MS determination of flupirtine, its N-acetylated and two mercapturic acid derivatives in man. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 102, 377-385.	2.8	17
24	Sulfide Analogues of Flupirtine and Retigabine with Nanomolar K _V 7.2/K _V 7.3 Channel Opening Activity. <i>ChemMedChem</i> , 2019, 14, 952-964.	3.2	17
25	Evaluation for Synergistic Effects by Combinations of Photodynamic Therapy (PDT) with Temoporfin (mTHPC) and Pt(II) Complexes Carboplatin, Cisplatin or Oxaliplatin in a Set of Five Human Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3183.	4.1	16
26	Involvement of apoptosis and autophagy in the death of RPMI 8226 multiple myeloma cells by two enantiomeric sigma receptor ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 221-233.	3.0	15
27	Increasing DNA reactivity and in vitro antitumor activity of trans diiodido Pt(II) complexes with UVA light. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 211-218.	3.5	15
28	Effects of cytotoxic cis - and trans -diammine monochlorido platinum(II) complexes on selenium-dependent redox enzymes and DNA. <i>Journal of Inorganic Biochemistry</i> , 2018, 178, 94-105.	3.5	15
29	Modifications of the Triaminoaryl Metabophore of Flupirtine and Retigabine Aimed at Avoiding Quinone Diimine Formation. <i>ACS Omega</i> , 2022, 7, 7989-8012.	3.5	12
30	Ethiopian Medicinal Plants Traditionally Used for the Treatment of Cancer; Part 3: Selective Cytotoxic Activity of 22 Plants against Human Cancer Cell Lines. <i>Molecules</i> , 2021, 26, 3658.	3.8	10
31	Characterization of three B-cell lymphoma cell lines from chemotherapy resistant patients with respect to in vitro sensitivity to 21 antitumor agents, ABC-transporter expression and cellular redox status. <i>Journal of Cancer Research and Clinical Oncology</i> , 2007, 133, 957-967.	2.5	8
32	Evaluation of S- and R-Misonidazole as GPX Inhibitors: Synthesis, Characterization Including Circular Dichroism and In Vitro Testing on Bovine GPX. <i>Archiv Der Pharmazie</i> , 2014, 347, 153-160.	4.1	7
33	The Effect of Glutathione Peroxidase-1 Knockout on Anticancer Drug Sensitivities and Reactive Oxygen Species in Haploid HAP-1 Cells. <i>Antioxidants</i> , 2020, 9, 1300.	5.1	7
34	Pharmacological Evaluation of the Anticancer Activity of Extracts and Fractions of <i>Lannea barteri</i> Oliv. (Anacardiaceae) on Adherent Human Cancer Cell Lines. <i>Molecules</i> , 2020, 25, 849.	3.8	7
35	Synthesis, structure and in vitro anticancer activity of ruthenium(II) and platinum(II) complexes with chiral aminophosphine ligands. <i>Transition Metal Chemistry</i> , 2021, 46, 299-305.	1.4	7
36	Synthesis of N-(2-pyridyl)imidazolidin-2-ones and 1-(2-pyridyl)-2,3,7,8-tetrahydro-1H-imidazo[2,1-b][1,3,5]triazepin-5(6H)-ones with potential biological activities. <i>Heterocyclic Communications</i> , 2013, 19, 331-341.	1.2	6

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37	In vitro assessment of synergistic effects in combinations of a temoporfin-based photodynamic therapy with glutathione peroxidase 1 inhibitors. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 36, 102478.	2.6	6
38	Synthesis, Structure and Cytotoxicity Testing of Novel 7-(4,5-Dihydro-1H-imidazol-2-yl)-2-aryl-6,7-dihydro-2H-imidazo[2,1-c][1,2,4]triazol-3(5H)-Imine Derivatives. <i>Molecules</i> , 2020, 25, 5924.	3.8	4
39	Comprehensive Evaluation of Biological Effects of Pentathiepins on Various Human Cancer Cell Lines and Insights into Their Mode of Action. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7631.	4.1	4
40	Correlation Analysis of Protein Expression of 10 HDAC/Sirtuin Isoenzymes with Sensitivities of 23 Anticancer Drugs in 17 Cancer Cell Lines and Potentiation of Drug Activity by Co-Treatment with HDAC Inhibitors. <i>Cancers</i> , 2022, 14, 187.	3.7	4
41	Pharmacological characterization of high-affinity $\text{I}\beta\text{1}$ receptor ligands with spirocyclic thienopyran and thienofuran scaffold. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 236-248.	2.4	3
42	Assessment of concentration and penetration depth of cisplatin in human lung tissue after decortication and hyperthermic exposure. <i>Annals of Translational Medicine</i> , 2021, 9, 953-953.	1.7	2
43	Synthesis and Preliminary Cytotoxicity Studies of 1-[1-(4,5-Dihydrooxazol-2-yl)ethyl]pyrrolidine-2-thione (1-ETQq1). <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 236-248.	1.5	1
44	Degradation of pharmaceutical residues in water by pulsed corona discharges & investigation of reaction mechanism. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 1000-1005.		0
45	Plasma Liquid Chemistry of Pulse Discharges Generated in Water Depending on Pulse Duration and Ground Electrode Materials. <i>Journal of Applied Electrochemistry</i> , 2017, 47, 1000-1005.		0