

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

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docs citations

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Sulfide Analogues of Flupirtine and Retigabine with Nanomolar $K_{0.5} > 7.2$ / $K_{0.5} > 7.3$ Channel Opening Activity. <i>ChemMedChem</i> , 2019, 14, 952-964. | 3.2 | 17 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 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 | 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 |
| 20 | 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 |
| 21 | Plasma Liquid Chemistry of Pulse Discharges Generated in Water Depending on Pulse Duration and Ground Electrode Materials. , 2017, , . | | 0 |
| 22 | Synthesis and Preliminary Cytotoxicity Studies of 1-[1-(4,5-Dihydrooxazol-2-yl)ethynyl]-1H-indazole. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5505-5519. | 1.5 | 1 |
| 23 | Rigidity versus Flexibility: Is This an Issue in α -Receptor Ligand Affinity and Activity?. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5505-5519. | 6.4 | 23 |
| 24 | Photoactivation of Diiodido-Pt(IV) Complexes Coupled to Upconverting Nanoparticles. <i>Molecular Pharmaceutics</i> , 2016, 13, 2346-2362. | 4.6 | 29 |
| 25 | Degradation of pharmaceutical residues in water by pulsed corona discharges & investigation of reaction mechanism. , 2015, , . | | 0 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | Evaluation of S- and R-isonidazole 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | EXAFS, DFT, Light-Induced Nucleobase Binding, and Cytotoxicity of the Photoactive Complex $cis-[Ru(bpy)_2(CO)Cl]^+$. <i>Organometallics</i> , 2010, 29, 6703-6710. | 2.3 | 38 |
| 38 | Investigation of the in Vitro Metabolism of the Analgesic Flupirtine. <i>Drug Metabolism and Disposition</i> , 2009, 37, 479-493. | 3.3 | 39 |
| 39 | Photoactivatable Platinum Complexes. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2007, 7, 75-93. | 1.7 | 213 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | Light-Activated Destruction of Cancer Cell Nuclei by Platinum Diazide Complexes. <i>Chemistry and Biology</i> , 2006, 13, 61-67. | 6.0 | 92 |
| 44 | 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 |
| 45 | 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 |