

# William F Elmquist

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5974168/publications.pdf>

Version: 2024-02-01

115  
papers

7,748  
citations

41344

49  
h-index

53230

85  
g-index

118  
all docs

118  
docs citations

118  
times ranked

8506  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Is the blood-brain barrier really disrupted in all glioblastomas? A critical assessment of existing clinical data. <i>Neuro-Oncology</i> , 2018, 20, 184-191.  | 1.2  | 443       |
| 2  | Application of microdialysis in pharmacokinetic studies. <i>Pharmaceutical Research</i> , 1997, 14, 267-288.   | 3.5  | 274       |
| 3  | Drug efflux transporters in the CNS. <i>Advanced Drug Delivery Reviews</i> , 2003, 55, 83-105.   | 13.7 | 273       |
| 4  | Delivery of molecularly targeted therapy to malignant glioma, a disease of the whole brain. <i>Expert Reviews in Molecular Medicine</i> , 2011, 13, e17.   | 3.9  | 266       |
| 5  | Distribution of STI-571 to the Brain Is Limited by P-Glycoprotein-Mediated Efflux. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 304, 1085-1092.  | 2.5  | 248       |
| 6  | Expression of various multidrug resistance-associated protein (MRP) homologues in brain microvessel endothelial cells. <i>Brain Research</i> , 2000, 876, 148-153.   | 2.2  | 228       |
| 7  | Distribution of Gefitinib to the Brain Is Limited by P-glycoprotein (ABCB1) and Breast Cancer Resistance Protein (ABCG2)-Mediated Active Efflux. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 334, 147-155.  | 2.5  | 221       |
| 8  | Breast Cancer Resistance Protein and P-Glycoprotein in Brain Cancer: Two Gatekeepers Team Up. <i>Current Pharmaceutical Design</i> , 2011, 17, 2793-2802.  | 1.9  | 216       |
| 9  | Strategies to improve delivery of anticancer drugs across the blood-brain barrier to treat glioblastoma. <i>Neuro-Oncology</i> , 2016, 18, 27-36.  | 1.2  | 210       |
| 10 | Expression of Multidrug Resistance-Associated Protein (MRP) in Brain Microvessel Endothelial Cells. <i>Biochemical and Biophysical Research Communications</i> , 1998, 243, 816-820.   | 2.1  | 186       |
| 11 | P-glycoprotein and Breast Cancer Resistance Protein Influence Brain Distribution of Dasatinib. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 330, 956-963.  | 2.5  | 181       |
| 12 | Radiogenomics to characterize regional genetic heterogeneity in glioblastoma. <i>Neuro-Oncology</i> , 2017, 19, 128-137.   | 1.2  | 170       |
| 13 | Plasma Membrane Localization of Multidrug Resistance-Associated Protein Homologs in Brain Capillary Endothelial Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 449-455.  | 2.5  | 168       |
| 14 | Mechanisms Limiting Distribution of the Threonine-Protein Kinase B-Raf <sup>V600E</sup> Inhibitor Dabrafenib to the Brain: Implications for the Treatment of Melanoma Brain Metastases. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 344, 655-664. | 2.5  | 158       |
| 15 | The Role of the Breast Cancer Resistance Protein (ABCG2) in the Distribution of Sorafenib to the Brain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 336, 223-233.   | 2.5  | 151       |
| 16 | Impact of P-Glycoprotein (ABCB1) and Breast Cancer Resistance Protein (ABCG2) on the Brain Distribution of a Novel BRAF Inhibitor: Vemurafenib (PLX4032). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 342, 33-40.                                 | 2.5  | 151       |
| 17 | Function of the Blood-Brain Barrier and Restriction of Drug Delivery to Invasive Glioma Cells: Findings in an Orthotopic Rat Xenograft Model of Glioma. <i>Drug Metabolism and Disposition</i> , 2013, 41, 33-39.  | 3.3  | 139       |
| 18 | Use of rhodamine 123 to examine the functional activity of P-glycoprotein in primary cultured brain microvessel endothelial cell monolayers. <i>Life Sciences</i> , 1996, 59, 1521-1531.   | 4.3  | 121       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Sensitization of cells overexpressing multidrug-resistant proteins by pluronic P85. <i>Pharmaceutical Research</i> , 2003, 20, 1581-1590.   | 3.5 | 115       |
| 20 | Distribution kinetics of a micelle-forming block copolymer Pluronic P85. <i>Journal of Controlled Release</i> , 2004, 100, 389-397.   | 9.9 | 113       |
| 21 | Quantitative Proteomics of Transporter Expression in Brain Capillary Endothelial Cells Isolated from P-Glycoprotein (P-gp), Breast Cancer Resistance Protein (Bcrp), and P-gp/Bcrp Knockout Mice. <i>Drug Metabolism and Disposition</i> , 2012, 40, 1164-1169.     | 3.3 | 112       |
| 22 | Improving drug delivery to primary and metastatic brain tumors: Strategies to overcome the blood-brain barrier. <i>Clinical Pharmacology and Therapeutics</i> , 2015, 97, 336-346.  | 4.7 | 104       |
| 23 | Multi-Parametric MRI and Texture Analysis to Visualize Spatial Histologic Heterogeneity and Tumor Extent in Glioblastoma. <i>PLoS ONE</i> , 2015, 10, e0141506.   | 2.5 | 104       |
| 24 | Factors Influencing the CNS Distribution of a Novel MEK-1/2 Inhibitor: Implications for Combination Therapy for Melanoma Brain Metastases. <i>Drug Metabolism and Disposition</i> , 2014, 42, 1292-1300.  | 3.3 | 89        |
| 25 | Development of a Respirable, Sustained Release Microcarrier for 5-Fluorouracil I: In Vitro Assessment of Liposomes, Microspheres, and Lipid Coated Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1114-1126.                                  | 3.3 | 87        |
| 26 | The Efficacy of the Wee1 Inhibitor MK-1775 Combined with Temozolomide Is Limited by Heterogeneous Distribution across the Blood-brain Barrier in Glioblastoma. <i>Clinical Cancer Research</i> , 2015, 21, 1916-1924.   | 7.0 | 86        |
| 27 | Active Efflux of Dasatinib from the Brain Limits Efficacy against Murine Glioblastoma: Broad Implications for the Clinical Use of Molecularly Targeted Agents. <i>Molecular Cancer Therapeutics</i> , 2012, 11, 2183-2192.  | 4.1 | 85        |
| 28 | Abcg2/Bcrp1 Mediates the Polarized Transport of Antiretroviral Nucleosides Abacavir and Zidovudine. <i>Drug Metabolism and Disposition</i> , 2007, 35, 1165-1173.   | 3.3 | 84        |
| 29 | Efflux Transporters at the Blood-Brain Barrier Limit Delivery and Efficacy of Cyclin-Dependent Kinase 4/6 Inhibitor Palbociclib (PD-0332991) in an Orthotopic Brain Tumor Model. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 355, 264-271. | 2.5 | 84        |
| 30 | P-glycoprotein-Mediated Active Efflux of the Anti-HIV1 Nucleoside Abacavir Limits Cellular Accumulation and Brain Distribution. <i>Drug Metabolism and Disposition</i> , 2007, 35, 2076-2085.   | 3.3 | 83        |
| 31 | Pharmacological characterization of LY335979: A potent cyclopropyldibenzosuberane modulator of P-glycoprotein. <i>Advances in Enzyme Regulation</i> , 1997, 37, 335-347.  | 2.6 | 77        |
| 32 | Efficacy of PARP Inhibitor Rucaparib in Orthotopic Glioblastoma Xenografts Is Limited by Ineffective Drug Penetration into the Central Nervous System. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 2735-2743.  | 4.1 | 75        |
| 33 | Transport of Fluorescein in MDCKII-MRP1 Transfected Cells and mrp1-Knockout Mice. <i>Biochemical and Biophysical Research Communications</i> , 2001, 284, 863-869.  | 2.1 | 70        |
| 34 | Substrate-Dependent Breast Cancer Resistance Protein (Bcrp1/Abcg2)-Mediated Interactions: Consideration of Multiple Binding Sites in in Vitro Assay Design. <i>Drug Metabolism and Disposition</i> , 2009, 37, 560-570.   | 3.3 | 69        |
| 35 | Probenecid inhibits the metabolic and renal clearances of zidovudine (AZT) in human volunteers. <i>Pharmaceutical Research</i> , 1990, 07, 411-417.   | 3.5 | 67        |
| 36 | Novel Delivery System Enhances Efficacy of Antiretroviral Therapy in Animal Model for HIV-1 Encephalitis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1033-1042.   | 4.3 | 67        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Investigation of the Role of Breast Cancer Resistance Protein (Bcrp/Abcg2) on Pharmacokinetics and Central Nervous System Penetration of Abacavir and Zidovudine in the Mouse. <i>Drug Metabolism and Disposition</i> , 2008, 36, 1476-1484. | 3.3  | 67        |
| 38 | Localized Metabolomic Gradients in Patient-Derived Xenograft Models of Glioblastoma. <i>Cancer Research</i> , 2020, 80, 1258-1267.   | 0.9  | 67        |
| 39 | Quantitative Assessment of HIV-1 Protease Inhibitor Interactions with Drug Efflux Transporters in the Blood-Brain Barrier. <i>Pharmaceutical Research</i> , 2005, 22, 1259-1268.   | 3.5  | 66        |
| 40 | Pharmacokinetic Assessment of Efflux Transport in Sunitinib Distribution to the Brain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 347, 755-764.  | 2.5  | 66        |
| 41 | Insight into the Cooperation of P-glycoprotein (ABCB1) and Breast Cancer Resistance Protein (ABCG2) at the Blood-Brain Barrier: A Case Study Examining Sorafenib Efflux Clearance. <i>Molecular Pharmaceutics</i> , 2012, 9, 678-684.        | 4.6  | 65        |
| 42 | Unsanctifying the sanctuary: challenges and opportunities with brain metastases. <i>Neuro-Oncology</i> , 2015, 17, 639-651.  | 1.2  | 62        |
| 43 | Integrated mapping of pharmacokinetics and pharmacodynamics in a patient-derived xenograft model of glioblastoma. <i>Nature Communications</i> , 2018, 9, 4904.  | 12.8 | 62        |
| 44 | Restricted Delivery of Talazoparib Across the Blood-Brain Barrier Limits the Sensitizing Effects of PARP Inhibition on Temozolomide Therapy in Glioblastoma. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2735-2746.                     | 4.1  | 58        |
| 45 | Microdialysis in the study of drug transporters in the CNS. <i>Advanced Drug Delivery Reviews</i> , 2000, 45, 295-307.   | 13.7 | 54        |
| 46 | OCT2 and MATE1 Provide Bidirectional Agmatine Transport. <i>Molecular Pharmaceutics</i> , 2011, 8, 133-142.  | 4.6  | 54        |
| 47 | Barriers to Effective Drug Treatment for Brain Metastases: A Multifactorial Problem in the Delivery of Precision Medicine. <i>Pharmaceutical Research</i> , 2018, 35, 177.   | 3.5  | 53        |
| 48 | Interactions of pluronic block copolymers on P-gp efflux activity: Experience with HIV-1 protease inhibitors. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 5421-5433.   | 3.3  | 51        |
| 49 | Brain Distribution and Bioavailability of Elacridar after Different Routes of Administration in the Mouse. <i>Drug Metabolism and Disposition</i> , 2012, 40, 1612-1619.   | 3.3  | 51        |
| 50 | ABCG2 and ABCB1 Limit the Efficacy of Dasatinib in a PDGF-B-Driven Brainstem Glioma Model. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 819-829.   | 4.1  | 49        |
| 51 | Effect of probenecid on fluorescein transport in the central nervous system using in vitro and in vivo models. <i>Pharmaceutical Research</i> , 2001, 18, 1542-1549.   | 3.5  | 48        |
| 52 | Pharmacokinetics of Propylene Glycol in Humans During Multiple Dosing Regimens. <i>Journal of Pharmaceutical Sciences</i> , 1985, 74, 876-879.   | 3.3  | 45        |
| 53 | Distribution of the Novel Antifolate Pemetrexed to the Brain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 222-229.   | 2.5  | 43        |
| 54 | Brain Metastases from Renal Cell Carcinoma in the Era of Tyrosine Kinase Inhibitors. <i>Clinical Genitourinary Cancer</i> , 2013, 11, 155-160.   | 1.9  | 42        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Development and Evaluation of a Novel Microemulsion Formulation of Elacridar to Improve its Bioavailability. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1343-1354.   | 3.3 | 40        |
| 56 | Development of a Respirable, Sustained Release Microcarrier for 5-Fluorouracil II: In Vitro and In Vivo Optimization of Lipid Coated Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1127-1143.   | 3.3 | 38        |
| 57 | Brain Distribution of a Panel of Epidermal Growth Factor Receptor Inhibitors Using Cassette Dosing in Wild-Type and <i>Abcb1/Abcg2</i> -Deficient Mice. <i>Drug Metabolism and Disposition</i> , 2019, 47, 393-404.  | 3.3 | 38        |
| 58 | Brain Distribution of Cediranib Is Limited by Active Efflux at the Blood-Brain Barrier. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 341, 386-395.   | 2.5 | 37        |
| 59 | Efficacy of the MDM2 Inhibitor SAR405838 in Glioblastoma Is Limited by Poor Distribution Across the Blood-Brain Barrier. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1893-1901.   | 4.1 | 37        |
| 60 | Heterogeneous delivery across the blood-brain barrier limits the efficacy of an EGFR-targeting antibody drug conjugate in glioblastoma. <i>Neuro-Oncology</i> , 2021, 23, 2042-2053.   | 1.2 | 37        |
| 61 | The binding of cyclosporin A to human plasma: an in vitro microdialysis study. <i>Pharmaceutical Research</i> , 1996, 13, 622-627.   | 3.5 | 35        |
| 62 | Saturable Active Efflux by P-Glycoprotein and Breast Cancer Resistance Protein at the Blood-Brain Barrier Leads to Nonlinear Distribution of Elacridar to the Central Nervous System. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 345, 111-124. | 2.5 | 35        |
| 63 | Brain Efflux Index To Investigate the Influence of Active Efflux on Brain Distribution of Pemetrexed and Methotrexate. <i>Drug Metabolism and Disposition</i> , 2013, 41, 659-667.   | 3.3 | 34        |
| 64 | Drug delivery to melanoma brain metastases: Can current challenges lead to new opportunities?. <i>Pharmacological Research</i> , 2017, 123, 10-25.   | 7.1 | 31        |
| 65 | Addressing BBB Heterogeneity: A New Paradigm for Drug Delivery to Brain Tumors. <i>Pharmaceutics</i> , 2020, 12, 1205.   | 4.5 | 31        |
| 66 | Pharmacokinetic Assessment of Cooperative Efflux of the Multitargeted Kinase Inhibitor Ponatinib Across the Blood-Brain Barrier. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 365, 249-261.  | 2.5 | 30        |
| 67 | Transsynovial drug distribution: synovial mean transit time of diclofenac and other nonsteroidal antiinflammatory drugs. <i>Pharmaceutical Research</i> , 1994, 11, 1689-1697.   | 3.5 | 29        |
| 68 | Measurement of drug release from microcarriers by microdialysis. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 1456-1466.  | 3.3 | 29        |
| 69 | Separation methods that are capable of revealing blood-brain barrier permeability. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 797, 241-254.   | 2.3 | 28        |
| 70 | pH-Dependent Transport of Pemetrexed by Breast Cancer Resistance Protein. <i>Drug Metabolism and Disposition</i> , 2011, 39, 1478-1485.  | 3.3 | 28        |
| 71 | Sunitinib LC-MS/MS Assay in Mouse Plasma and Brain Tissue: Application in CNS Distribution Studies. <i>Chromatographia</i> , 2013, 76, 1657-1665.  | 1.3 | 28        |
| 72 | Impact of BRAF mutation and BRAF inhibition on melanoma brain metastases. <i>Melanoma Research</i> , 2015, 25, 75-79.  | 1.2 | 27        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Investigation of the micellar effect of pluronic P85 on P-glycoprotein inhibition: Cell accumulation and equilibrium dialysis studies. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 4170-4190.  | 3.3 | 26        |
| 74 | Decreased affinity for efflux transporters increases brain penetrance and molecular targeting of a PI3K/mTOR inhibitor in a mouse model of glioblastoma. <i>Neuro-Oncology</i> , 2015, 17, 1210-9.   | 1.2 | 26        |
| 75 | Heterogeneous Binding and Central Nervous System Distribution of the Multitargeted Kinase Inhibitor Ponatinib Restrict Orthotopic Efficacy in a Patient-Derived Xenograft Model of Glioblastoma. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 363, 136-147.  | 2.5 | 25        |
| 76 | Comparison of the transport characteristics of D- and L-methionine in a human intestinal epithelial model (Caco-2) and in a perfused rat intestinal model. <i>Pharmaceutical Research</i> , 1994, 11, 1771-1776.   | 3.5 | 24        |
| 77 | Brain Distribution of a Novel MEK Inhibitor E6201: Implications in the Treatment of Melanoma Brain Metastases. <i>Drug Metabolism and Disposition</i> , 2018, 46, 658-666.   | 3.3 | 24        |
| 78 | The influence of the blood-brain barrier in the treatment of brain tumours. <i>Journal of Internal Medicine</i> , 2022, 292, 3-30.   | 6.0 | 23        |
| 79 | The design and validation of a novel intravenous microdialysis probe: application to fluconazole pharmacokinetics in the freely-moving rat model. <i>Pharmaceutical Research</i> , 1997, 14, 1455-1460.  | 3.5 | 22        |
| 80 | E6201, an intravenous MEK1 inhibitor, achieves an exceptional response in BRAF V600E-mutated metastatic malignant melanoma with brain metastases. <i>Investigational New Drugs</i> , 2019, 37, 636-645.  | 2.6 | 22        |
| 81 | Baseline requirements for novel agents being considered for phase II/III brain cancer efficacy trials: conclusions from the Adult Brain Tumor Consortium's first workshop on CNS drug delivery. <i>Neuro-Oncology</i> , 2020, 22, 1422-1424.   | 1.2 | 22        |
| 82 | Enhancing Brain Retention of a KIF11 Inhibitor Significantly Improves its Efficacy in a Mouse Model of Glioblastoma. <i>Scientific Reports</i> , 2020, 10, 6524.   | 3.3 | 20        |
| 83 | Challenges in the Delivery of Therapies to Melanoma Brain Metastases. <i>Current Pharmacology Reports</i> , 2016, 2, 309-325.  | 3.0 | 18        |
| 84 | Factors Influencing the Central Nervous System Distribution of a Novel Phosphoinositide 3-Kinase/Mammalian Target of Rapamycin Inhibitor GSK2126458: Implications for Overcoming Resistance with Combination Therapy for Melanoma Brain Metastases. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 356, 251-259. | 2.5 | 18        |
| 85 | Mitoxantrone Permeability in MDCKII Cells Is Influenced by Active Influx Transport. <i>Molecular Pharmaceutics</i> , 2007, 4, 475-483.   | 4.6 | 16        |
| 86 | AAPS-FDA workshop white paper: Microdialysis principles, application, and regulatory perspectives report from the Joint AAPS-FDA Workshop, November 4-5, 2005, Nashville, TN. <i>AAPS Journal</i> , 2007, 9, E48-E59.  | 4.4 | 16        |
| 87 | Utilizing transmembrane convection to enhance solute sampling and delivery by microdialysis: Theory and in vitro validation. <i>Journal of Membrane Science</i> , 2010, 348, 131-149.  | 8.2 | 15        |
| 88 | Brain Distribution and Active Efflux of Three panRAF Inhibitors: Considerations in the Treatment of Melanoma Brain Metastases. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 368, 446-461.  | 2.5 | 15        |
| 89 | Characterization of an in vitro cell culture bioreactor system to evaluate anti-neoplastic drug regimens. <i>Breast Cancer Research and Treatment</i> , 2006, 96, 217-225.   | 2.5 | 14        |
| 90 | Determination of cediranib in mouse plasma and brain tissue using high-performance liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3812-3817.  | 2.3 | 14        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Brain Distributional Kinetics of a Novel MDM2 Inhibitor SAR405838: Implications for Use in Brain Tumor Therapy. <i>Drug Metabolism and Disposition</i> , 2019, 47, 1403-1414.  | 3.3 | 13        |
| 92  | <i>In Vivo</i> Efficacy of Tesevatinib in EGFR-Amplified Patient-Derived Xenograft Glioblastoma Models May Be Limited by Tissue Binding and Compensatory Signaling. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 1009-1018.          | 4.1 | 11        |
| 93  | Cyclosporin a has low potency as a calcineurin inhibitor in cells expressing high levels of P-glycoprotein. <i>Life Sciences</i> , 1998, 62, 2441-2448.  | 4.3 | 10        |
| 94  | The use of transgenic mice in pharmacokinetic and pharmacodynamic studies. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 422-435.  | 3.3 | 10        |
| 95  | Cardiac Responses to the Intrapericardial Delivery of Metoprolol: Targeted Delivery Compared to Intravenous Administration. <i>Journal of Cardiovascular Translational Research</i> , 2012, 5, 535-540.                                  | 2.4 | 9         |
| 96  | Efflux Limits Tumor Drug Delivery Despite Disrupted BBB. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 426-428.  | 8.7 | 9         |
| 97  | Organic Cation Uptake Is Enhanced in bcrp1-Transfected MDCKII Cells. <i>Molecular Pharmaceutics</i> , 2010, 7, 138-145.  | 4.6 | 7         |
| 98  | Preclinical modeling in glioblastoma patient-derived xenograft (GBM PDX) xenografts to guide clinical development of lisavanbulin—a novel tumor checkpoint controller targeting microtubules. <i>Neuro-Oncology</i> , 2022, 24, 384-395. | 1.2 | 7         |
| 99  | Preclinical Risk Evaluation of Normal Tissue Injury With Novel Radiosensitizers. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, e54-e62.  | 0.8 | 7         |
| 100 | Brain Distribution of Berzosertib: An Ataxia Telangiectasia and Rad3-Related Protein Inhibitor for the Treatment of Glioblastoma. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 379, 343-357.                     | 2.5 | 7         |
| 101 | Central Nervous System Delivery of the Catalytic Subunit of DNA-Dependent Protein Kinase Inhibitor Pepsertib as Radiosensitizer for Brain Metastases. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2022, 381, 217-228. | 2.5 | 7         |
| 102 | Factors Influencing Luciferase-Based Bioluminescent Imaging in Preclinical Models of Brain Tumor. <i>Drug Metabolism and Disposition</i> , 2022, 50, 277-286.  | 3.3 | 6         |
| 103 | The relationship between urine and plasma concentrations of carbamazepine: implications for therapeutic drug monitoring. <i>Pharmaceutical Research</i> , 1991, 08, 282-284.   | 3.5 | 5         |
| 104 | Bayesian Approach to Estimate AUC, Partition Coefficient and Drug Targeting Index for Studies with Serial Sacrifice Design. <i>Pharmaceutical Research</i> , 2014, 31, 649-659.  | 3.5 | 5         |
| 105 | Activation of STAT3 through combined SRC and EGFR signaling drives resistance to a mitotic kinesin inhibitor in glioblastoma. <i>Cell Reports</i> , 2022, 39, 110991.  | 6.4 | 5         |
| 106 | Methods for intratumoral microdialysis probe targeting and validation in murine brain tumor models. <i>Journal of Neuroscience Methods</i> , 2021, 363, 109321.  | 2.5 | 3         |
| 107 | Liquid chromatographic analysis of di(2-ethylhexyl) phthalate: application to pharmacokinetic studies in the mongrel dog. <i>Pharmaceutical Research</i> , 1988, 05, 10-15.  | 3.5 | 2         |
| 108 | Influence of transporters in treating cancers in the CNS. , 2020, , 277-301.   |     | 2         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Lisdexamfetamine Pharmacokinetic Comparison Between Patients Who Underwent Roux-en-Y Gastric Bypass and Nonsurgical Controls. <i>Obesity Surgery</i> , 2021, 31, 4289-4294.                 | 2.1 | 2         |
| 110 | Changes in the vasculature of human brain tumors: Implications for treatment. <i>Neuro-Oncology</i> , 2021, 23, 1995-1997.  | 1.2 | 2         |
| 111 | Central Nervous System Distribution of an Opioid Agonist Combination with Synergistic Activity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2022, 380, 34-46.            | 2.5 | 2         |
| 112 | To Measure is to Know: A Perspective on the Work of Dr. Margareta Hammarlund-Udenaes. <i>Pharmaceutical Research</i> , 2022, , 1.   | 3.5 | 1         |
| 113 | Comments on: "Synergistic activity of mTORC1/2 kinase and MEK inhibitors suppresses pediatric low-grade glioma tumorigenicity and vascularity" <i>Neuro-Oncology</i> , 2020, 22, 1404-1405. | 1.2 | 0         |
| 114 | Brain barriers virtual: an interim solution or future opportunity?. <i>Fluids and Barriers of the CNS</i> , 2022, 19, 19.   | 5.0 | 0         |
| 115 | Abstract 2598: AZD1390 radio-sensitizes p53-mutant GBM via disrupting homology directed DNA repair. <i>Cancer Research</i> , 2022, 82, 2598-2598.   | 0.9 | 0         |