

# Gert Fricker

## List of Publications by Year in descending order

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171  
papers

8,670  
citations

36203

51  
h-index

53109

85  
g-index

181  
all docs

181  
docs citations

181  
times ranked

9700  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engaging neuroscience to advance translational research in brain barrier biology. <i>Nature Reviews Neuroscience</i> , 2011, 12, 169-182.	4.9	508
2	Xenobiotic Transport across Isolated Brain Microvessels Studied by Confocal Microscopy. <i>Molecular Pharmacology</i> , 2000, 58, 1357-1367.	1.0	291
3	Phospholipids and Lipid-Based Formulations in Oral Drug Delivery. <i>Pharmaceutical Research</i> , 2010, 27, 1469-1486.	1.7	289
4	Transport of paclitaxel (Taxol) across the blood-brain barrier in vitro and in vivo. <i>Journal of Clinical Investigation</i> , 2002, 110, 1309-1318.	3.9	280
5	Rapid Modulation of P-Glycoprotein-Mediated Transport at the Blood-Brain Barrier by Tumor Necrosis Factor- $\alpha$ and Lipopolysaccharide. <i>Molecular Pharmacology</i> , 2006, 69, 462-470.	1.0	185
6	Interactions of HIV Protease Inhibitors with ATP-Dependent Drug Export Proteins. <i>Molecular Pharmacology</i> , 1999, 56, 383-389.	1.0	178
7	HIV protease inhibitor ritonavir: a more potent inhibitor of P-glycoprotein than the cyclosporine analog SDZ PSC 833. <i>Biochemical Pharmacology</i> , 1999, 57, 1147-1152.	2.0	176
8	Transport of paclitaxel (Taxol) across the blood-brain barrier in vitro and in vivo. <i>Journal of Clinical Investigation</i> , 2002, 110, 1309-1318.	3.9	159
9	Biopharmaceutical classification of poorly soluble drugs with respect to "enabling formulations". <i>European Journal of Pharmaceutical Sciences</i> , 2013, 50, 8-16.	1.9	158
10	Rapid Regulation of P-Glycoprotein at the Blood-Brain Barrier by Endothelin-1. <i>Molecular Pharmacology</i> , 2004, 66, 387-394.	1.0	152
11	Intracerebral accumulation of glutaric and 3-hydroxyglutaric acids secondary to limited flux across the blood-brain barrier constitute a biochemical risk factor for neurodegeneration in glutaryl-CoA dehydrogenase deficiency. <i>Journal of Neurochemistry</i> , 2006, 97, 899-910.	2.1	147
12	Cellular uptake of PLGA nanoparticles targeted with anti-amyloid and anti-transferrin receptor antibodies for Alzheimer's disease treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 8-13.	2.5	140
13	Closing the Gaps: A Full Scan of the Intestinal Expression of P-Glycoprotein, Breast Cancer Resistance Protein, and Multidrug Resistance-Associated Protein 2 in Male and Female Rats. <i>Drug Metabolism and Disposition</i> , 2008, 36, 1249-1254.	1.7	137
14	Potent and Selective Inhibitors of Breast Cancer Resistance Protein (ABCG2) Derived from the P-Glycoprotein (ABCB1) Modulator Tariquidar. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1190-1197.	2.9	135
15	Modulation of p-Glycoprotein Transport Function at the Blood-Brain Barrier. <i>Experimental Biology and Medicine</i> , 2005, 230, 118-127.	1.1	130
16	Amorphous solid dispersion enhances permeation of poorly soluble ABT-102: True supersaturation vs. apparent solubility enhancement. <i>International Journal of Pharmaceutics</i> , 2012, 437, 288-293.	2.6	129
17	Matrix-loaded biodegradable gelatin nanoparticles as new approach to improve drug loading and delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 1-9.	2.0	124
18	ABC transporters at the blood-brain barrier. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2016, 12, 499-508.	1.5	121

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19	By-passing of P-glycoprotein Using Immunoliposomes. <i>Journal of Drug Targeting</i> , 2002, 10, 73-79.	2.1	120
20	In vitro models to evaluate the permeability of poorly soluble drug entities: Challenges and perspectives. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 235-250.	1.9	113
21	Evidence for P-glycoprotein modulated penetration of morphine-glucuronide into brain capillary endothelium. <i>British Journal of Pharmacology</i> , 1996, 118, 1879-1885.	2.7	108
22	Evidence for different ABC-transporters in Caco-2 cells modulating drug uptake. <i>Pharmaceutical Research</i> , 1999, 16, 402-407.	1.7	105
23	Brain delivery of camptothecin by means of solid lipid nanoparticles: Formulation design, in vitro and in vivo studies. <i>International Journal of Pharmaceutics</i> , 2012, 439, 49-62.	2.6	104
24	Endocytosis and Transcytosis of an Immunoliposome-Based Brain Drug Delivery System. <i>Journal of Drug Targeting</i> , 2000, 8, 435-446.	2.1	101
25	Enhanced absorption of boswellic acids by a lecithin delivery form (Phytosome®) of Boswellia extract. <i>FÄ-toterapÄ-c</i> , 2013, 84, 89-98.	1.1	101
26	Formation of nano/micro-dispersions with improved dissolution properties upon dispersion of ritonavir melt extrudate in aqueous media. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 40, 25-32.	1.9	96
27	Modulation of Drug Transporters at the Blood-Brain Barrier. <i>Pharmacology</i> , 2004, 70, 169-176.	0.9	93
28	What Is the Mechanism Behind Increased Permeation Rate of a Poorly Soluble Drug from Aqueous Dispersions of an Amorphous Solid Dispersion?. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1779-1786.	1.6	91
29	Alkylglycerol opening of the blood-brain barrier to small and large fluorescence markers in normal and C6 glioma-bearing rats and isolated rat brain capillaries. <i>British Journal of Pharmacology</i> , 2003, 140, 1201-1210.	2.7	86
30	Pregnane X Receptor (PXR) Regulates P-Glycoprotein at the Blood-Brain Barrier: Functional Similarities between Pig and Human PXR. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 141-149.	1.3	80
31	Delivery of nanoparticles to the brain detected by fluorescence microscopy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 627-632.	2.0	77
32	The ABC of the Blood-Brain Barrier - Regulation of Drug Efflux Pumps. <i>Current Pharmaceutical Design</i> , 2011, 17, 2762-2770.	0.9	72
33	Cloning and Characterization of a Novel Apolipoprotein A-I Binding Protein, AI-BP, Secreted by Cells of the Kidney Proximal Tubules in Response to HDL or ApoA-I. <i>Genomics</i> , 2002, 79, 693-702.	1.3	69
34	Xenobiotic efflux pumps in isolated fish brain capillaries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 282, R191-R198.	0.9	69
35	Oral delivery of vancomycin by tetraether lipid liposomes. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 108, 111-118.	1.9	69
36	In situ formation of nanoparticles upon dispersion of melt extrudate formulations in aqueous medium assessed by asymmetrical flow field-flow fractionation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 359-365.	1.4	67

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37	Effect of the non-ionic surfactant Poloxamer 188 on passive permeability of poorly soluble drugs across Caco-2 cell monolayers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 416-422.	2.0	67
38	Stability of liposomes containing bio-enhancers and tetraether lipids in simulated gastro-intestinal fluids. <i>International Journal of Pharmaceutics</i> , 2011, 405, 210-217.	2.6	67
39	SDZ CO 611: a highly potent glycosylated analog of somatostatin with improved oral activity. <i>Life Sciences</i> , 1993, 53, 517-525.	2.0	66
40	Glutaric aciduria type I and methylmalonic aciduria: Simulation of cerebral import and export of accumulating neurotoxic dicarboxylic acids in in vitro models of the blood-brain barrier and the choroid plexus. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 552-560.	1.8	64
41	Impact of FaSSIF on the solubility and dissolution-/permeation rate of a poorly water-soluble compound. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 16-20.	1.9	61
42	Improved Oral Bioavailability of Human Growth Hormone by a Combination of Liposomes Containing Bio-Enhancers and Tetraether Lipids and Omeprazole. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3985-3993.	1.6	61
43	Characterization of Cytochrome P450 Protein Expression along the Entire Length of the Intestine of Male and Female Rats. <i>Drug Metabolism and Disposition</i> , 2008, 36, 1039-1045.	1.7	60
44	Oral peptide delivery by tetraether lipid liposomes. <i>International Journal of Pharmaceutics</i> , 2011, 415, 150-157.	2.6	60
45	In vitro metabolism, permeation, and brain availability of six major boswellic acids from <i>Boswellia serrata</i> gum resins. <i>Fitoterapia</i> , 2013, 84, 99-106.	1.1	60
46	Relevance of Multidrug Resistance Proteins for Intestinal Drug Absorption in vitro and in vivo. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2002, 90, 5-13.	0.0	58
47	Nanotoxicity of poly(n-butylcyano-acrylate) nanoparticles at the blood-brain barrier, in human whole blood and in vivo. <i>Journal of Controlled Release</i> , 2015, 197, 165-179.	4.8	58
48	In-vitro permeability of poorly water soluble drugs in the phospholipid vesicle-based permeation assay: the influence of nonionic surfactants. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 1022-1030.	1.2	56
49	Permeation of <i>Boswellia</i> extract in the Caco-2 model and possible interactions of its constituents KBA and AKBA with OATP1B3 and MRP2. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 36, 275-284.	1.9	55
50	Surveillance of siRNA integrity by FRET imaging. <i>Nucleic Acids Research</i> , 2007, 35, e124.	6.5	54
51	Cytotoxicity and P-Glycoprotein Modulating Effects of Quinolones and Indoloquinazolines from the Chinese Herb <i>Evodia rutaecarpa</i> . <i>Planta Medica</i> , 2007, 73, 1554-1557.	0.7	53
52	Dual ligand immunoliposomes for drug delivery to the brain. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 213-219.	2.5	52
53	Enteral absorption of octreotide: absorption enhancement by polyoxyethylene-cholesterol ether. <i>British Journal of Pharmacology</i> , 1993, 108, 298-303.	2.7	51
54	Cyclodextrins - Useful excipients for oral peptide administration?. <i>International Journal of Pharmaceutics</i> , 1996, 137, 103-110.	2.6	50

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55	Choroid plexus epithelial monolayers—a cell culture model from porcine brain. <i>Cerebrospinal Fluid Research</i> , 2006, 3, 13.	0.5	50
56	Design of novel artemisinin-like derivatives with cytotoxic and anti-angiogenic properties. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1122-1135.	1.6	49
57	Improvement of intestinal peptide absorption by a synthetic bile acid derivative, cholysarcosine. <i>European Journal of Pharmaceutical Sciences</i> , 2000, 10, 133-140.	1.9	48
58	Enhancement of Oral Bioavailability of E804 by Self-Nanoemulsifying Drug Delivery System (SNEDDS) in Rats. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3792-3799.	1.6	47
59	Short- and Long-Term Influences of Heavy Metals on Anionic Drug Efflux from Renal Proximal Tubule. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 301, 578-585.	1.3	45
60	Permeability of porcine blood brain barrier to somatostatin analogues. <i>British Journal of Pharmacology</i> , 2002, 135, 1308-1314.	2.7	45
61	Compound profiling for P-glycoprotein at the blood-brain barrier using a microplate screening system. <i>Pharmaceutical Research</i> , 2003, 20, 1170-1176.	1.7	45
62	Development of a New Method to Assess Nanocrystal Dissolution Based on Light Scattering. <i>Pharmaceutical Research</i> , 2012, 29, 2887-2901.	1.7	45
63	Establishment of Optimized MDCK Cell Lines for Reliable Efflux Transport Studies. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1298-1304.	1.6	44
64	Intestinal absorption of the octapeptide SMS 201-995 visualized by fluorescence derivatization. <i>Gastroenterology</i> , 1991, 100, 1544-1552.	0.6	43
65	BCRP at the Blood-Brain Barrier: Genomic Regulation by 17 $\beta$ -Estradiol. <i>Molecular Pharmaceutics</i> , 2010, 7, 1835-1847.	2.3	43
66	Ivermectin excretion by isolated functionally intact brain endothelial capillaries. <i>British Journal of Pharmacology</i> , 2001, 132, 722-728.	2.7	42
67	In-vitro permeability screening of melt extrudate formulations containing poorly water-soluble drug compounds using the phospholipid vesicle-based barrier. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 1591-1598.	1.2	42
68	Current Concepts in Intestinal Peptide Absorption. <i>Journal of Peptide Science</i> , 1996, 2, 195-211.	0.8	41
69	Uptake of apolipoprotein E fragment coupled liposomes by cultured brain microvessel endothelial cells and intact brain capillaries. <i>Journal of Drug Targeting</i> , 2009, 17, 610-618.	2.1	41
70	Blood Trimethylamine-N-Oxide Originates from Microbiota Mediated Breakdown of Phosphatidylcholine and Absorption from Small Intestine. <i>PLoS ONE</i> , 2017, 12, e0170742.	1.1	40
71	Sister of P-glycoprotein expression in different tissues. <i>Biochemical Pharmacology</i> , 1999, 57, 833-835.	2.0	39
72	St. John's Wort Constituents Modulate P-glycoprotein Transport Activity at the Blood-Brain Barrier. <i>Pharmaceutical Research</i> , 2010, 27, 811-822.	1.7	39

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73	Liposomal Conjugates for Drug Delivery to the Central Nervous System. <i>Pharmaceutics</i> , 2015, 7, 27-42.	2.0	39
74	Modulation of transendothelial permeability and expression of ATP-binding cassette transporters in cultured brain capillary endothelial cells by astrocytic factors and cell-culture conditions. <i>Experimental Brain Research</i> , 2003, 153, 356-365.	0.7	38
75	Dynamic Regulation of P-glycoprotein in Human Brain Capillaries. <i>Molecular Pharmaceutics</i> , 2013, 10, 3333-3341.	2.3	38
76	The amorphous solid dispersion of the poorly soluble ABT-102 forms nano/microparticulate structures in aqueous medium: impact on solubility. <i>International Journal of Nanomedicine</i> , 2012, 7, 5757.	3.3	37
77	Epithelial transport of anthelmintic ivermectin in a novel model of isolated proximal kidney tubules. <i>Pharmaceutical Research</i> , 1999, 16, 1570-1575.	1.7	36
78	Identification of [ <sup>18</sup> F]TRACK, a Fluorine-18-Labeled Tropomyosin Receptor Kinase (Trk) Inhibitor for PET Imaging. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1737-1743.	2.9	36
79	Nasal delivery of octreotide: Absorption enhancement by particulate carrier systems. <i>International Journal of Pharmaceutics</i> , 1996, 139, 25-32.	2.6	35
80	P-glycoprotein- and mrp2-mediated octreotide transport in renal proximal tubule. <i>British Journal of Pharmacology</i> , 2000, 129, 251-256.	2.7	35
81	In vitro evaluation of liposomes containing bio-enhancers for the oral delivery of macromolecules. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 394-403.	2.0	35
82	Archaeal lipids in oral delivery of therapeutic peptides. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 108, 101-110.	1.9	35
83	Modification with Organometallic Compounds Improves Crossing of the Blood-Brain Barrier of [Leu <sup>5</sup> ]enkephalin Derivatives in an In Vitro Model System. <i>ChemBioChem</i> , 2009, 10, 1852-1860.	1.3	34
84	Formulation optimization of itraconazole loaded PEGylated liposomes for parenteral administration by using design of experiments. <i>International Journal of Pharmaceutics</i> , 2013, 448, 189-197.	2.6	34
85	Current Status in the Therapy of Liver Diseases. <i>International Journal of Molecular Sciences</i> , 2014, 15, 7500-7512.	1.8	34
86	Quantification and visualization of the transport of octreotide, a somatostatin analogue, across monolayers of cerebrovascular endothelial cells. <i>Pharmaceutical Research</i> , 1994, 11, 442-448.	1.7	33
87	Nitensidine A, a guanidine alkaloid from <i>Pterogyne nitens</i> , is a novel substrate for human ABC transporter ABCB1. <i>Phytomedicine</i> , 2014, 21, 323-332.	2.3	33
88	Delivery of Copper-chelating Trientine (TETA) to the central nervous system by surface modified liposomes. <i>International Journal of Pharmaceutics</i> , 2016, 512, 87-95.	2.6	33
89	Quantitation of Lysosomal Trapping of Basic Lipophilic Compounds Using In Vitro Assays and In Silico Predictions Based on the Determination of the Full pH Profile of the Endo-/Lysosomal System in Rat Hepatocytes. <i>Drug Metabolism and Disposition</i> , 2019, 47, 49-57.	1.7	33
90	Confocal imaging of organic anion transport in intact rat choroid plexus. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 282, F877-F885.	1.3	32

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91	Compound profiling for ABCB2 (MRP2) using a fluorescent microplate assay system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 396-403.	2.0	32
92	Identification of Different Transport Systems for Bile Salts in Sinusoidal and Canalicular Membranes of Hepatocytes. <i>Biological Chemistry Hoppe-Seyler</i> , 1987, 368, 1143-1150.	1.4	31
93	Exploring the fate of liposomes in the intestine by dynamic in vitro lipolysis. <i>International Journal of Pharmaceutics</i> , 2012, 437, 253-263.	2.6	30
94	Effect of Phospholipid-Based Formulations of <i>Boswellia serrata</i> Extract on the Solubility, Permeability, and Absorption of the Individual Boswellic Acid Constituents Present. <i>Journal of Natural Products</i> , 2012, 75, 1675-1682.	1.5	30
95	Radionuclides in drug development. <i>Drug Discovery Today</i> , 2015, 20, 198-208.	3.2	29
96	Development and characterization of novel highly-loaded itraconazole poly(butyl cyanoacrylate) polymeric nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 114, 175-185.	2.0	28
97	Transport of a fluorescent cAMP analog in teleost proximal tubules. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R2382-R2389.	0.9	27
98	Genomic Knockout of Endogenous Canine P-Glycoprotein in Wild-Type, Human P-Glycoprotein and Human BCRP Transfected MDCKII Cell Lines by Zinc Finger Nucleases. <i>Pharmaceutical Research</i> , 2015, 32, 2060-2071.	1.7	27
99	Fluorescein-methotrexate transport in rat choroid plexus analyzed using confocal microscopy. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, F562-F569.	1.3	26
100	Biological effects of acrylamide after daily ingestion of various foods in comparison to water: A study in rats. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 387-399.	1.5	26
101	Localization Microscopy (SPDM) Reveals Clustered Formations of P-Glycoprotein in a Human Blood-Brain Barrier Model. <i>PLoS ONE</i> , 2012, 7, e44776.	1.1	26
102	Characterization of efflux transport proteins of the human choroid plexus papilloma cell line HIBCPP, a functional in vitro model of the blood-cerebrospinal fluid barrier. <i>Pharmaceutical Research</i> , 2015, 32, 2973-2982.	1.7	26
103	Characterization of immortalized choroid plexus epithelial cell lines for studies of transport processes across the blood-cerebrospinal fluid barrier. <i>Cerebrospinal Fluid Research</i> , 2010, 7, 11.	0.5	25
104	Matrix liposomes: A solid liposomal formulation for oral administration. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 1145-1154.	1.0	25
105	Cytotoxicity and inhibition of P-glycoprotein by selected medicinal plants from Thailand. <i>Journal of Ethnopharmacology</i> , 2014, 155, 633-641.	2.0	25
106	Targeting Transporters for Drug Delivery to the Brain: Can We Do Better?. <i>Pharmaceutical Research</i> , 2022, 39, 1415-1455.	1.7	24
107	Regional absorption of fexofenadine in rat intestine. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 670-674.	1.9	23
108	Blood-brain barrier models: Rationale for selection. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113859.	6.6	23

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109	A fluorescence-based in vitro assay for drug interactions with breast cancer resistance protein (BCRP, ABCG2). <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 605-613.	2.0	22
110	Biphenyl-derivatives of 2-amino-7-phosphono-heptanoic acid, a novel class of potent competitive N-Methyl-D-aspartate receptor antagonists <sup>II</sup> . <i>Pharmacological characterization in vivo</i> . <i>Neuropharmacology</i> , 1996, 35, 655-669.	2.0	21
111	In vitro Cytotoxicity and P-Glycoprotein Modulating Effects of Geranylated Furocoumarins from <i>Tetradium daniellii</i> . <i>Planta Medica</i> , 2007, 73, 1475-1478.	0.7	21
112	Development of a fluorescence-based assay for drug interactions with human Multidrug Resistance Related Protein (MRP2; ABCC2) in MDCKII-MRP2 membrane vesicles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 75, 284-290.	2.0	21
113	In vitro and in vivo evaluations of the performance of an indirubin derivative, formulated in four different self-emulsifying drug delivery systems. <i>Journal of Pharmacy and Pharmacology</i> , 2014, 66, 1567-1575.	1.2	20
114	A Kinome-Wide Selective Radiolabeled TrkB/C Inhibitor for in Vitro and in Vivo Neuroimaging: Synthesis, Preclinical Evaluation, and First-in-Human. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6897-6910.	2.9	20
115	Comparative Assessment of Complex Stabilities of Radiocopper Chelating Agents by a Combination of Complex Challenge and in vivo Experiments. <i>ChemMedChem</i> , 2015, 10, 1200-1208.	1.6	18
116	Electrospray Synthesis of Poly(lactide-co-glycolide) Nanoparticles Encapsulating Peptides to Enhance Proliferation of Antigen-Specific CD8+ T Cells. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 3316-3327.	1.6	18
117	The application of P-gp inhibiting phospholipids as novel oral bioavailability enhancers – An in vitro and in vivo comparison. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 108, 13-22.	1.9	18
118	Crossing the blood-brain barrier: A review on drug delivery strategies using colloidal carrier systems. <i>Neurochemistry International</i> , 2021, 147, 105017.	1.9	17
119	Rapid assessment of p-glycoprotein drug interactions at the blood-brain barrier. <i>Analytical Biochemistry</i> , 2006, 358, 51-58.	1.1	16
120	Current State of Radiolabeled Heterobivalent Peptidic Ligands in Tumor Imaging and Therapy. <i>Pharmaceutics</i> , 2020, 13, 173.	1.7	16
121	Overcoming the Mucosal Barrier: Tetraether Lipid-Stabilized Liposomal Nanocarriers Decorated with Cell-Penetrating Peptides Enable Oral Delivery of Vancomycin. <i>Advanced Therapeutics</i> , 2021, 4, 2000247.	1.6	16
122	Development and lyophilization of itraconazole loaded poly(butylcyanoacrylate) nanospheres as a drug delivery system. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 78, 121-131.	1.9	15
123	Enterohaptic circulation of scymnol sulfate in an elasmobranch, the little skate ( <i>Raja</i> ) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	1.6	14
124	Drug Interactions with Natural Products at the Blood Brain Barrier. <i>Current Drug Metabolism</i> , 2008, 9, 1019-1026.	0.7	14
125	Application of simulated intestinal fluid on the phospholipid vesicle-based drug permeation assay. <i>International Journal of Pharmaceutics</i> , 2012, 422, 52-58.	2.6	14
126	Zebrafish ( <i>Danio rerio</i> ) larva as an in vivo vertebrate model to study renal function. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 322, F280-F294.	1.3	14



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127	Altered protein expression of membrane transporters in isolated cerebral microvessels and brain cortex of a rat Alzheimer's disease model. <i>Neurobiology of Disease</i> , 2022, 169, 105741.	2.1	14
128	Fluorescein-methotrexate transport in dogfish shark ( <i>Squalus acanthias</i> ) choroid plexus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R464-R472.	0.9	13
129	Fluorescein is transported by multidrug resistance-associated protein isoform 4 in rat choroid plexus. <i>Journal of Neurochemistry</i> , 2010, 115, 200-208.	2.1	13
130	Oral bioavailability of ketoprofen in suspension and solution formulations in rats: the influence of poloxamer 188. <i>Journal of Pharmacy and Pharmacology</i> , 2012, 64, 1631-1637.	1.2	13
131	Lack of biliary lipid excretion in the little skate, <i>Raja erinacea</i> , indicates the absence of functional Mdr2, Abcg5, and Abcg8 transporters. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 286, G762-G768.	1.6	12
132	Physicochemical characterization and in vitro permeation of an indirubin derivative. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 50, 467-475.	1.9	12
133	Side-by-Side Comparison of Five Chelators for <sup>89</sup> Zr-Labeling of Biomolecules: Investigation of Chemical/Radiochemical Properties and Complex Stability. <i>Cancers</i> , 2021, 13, 6349.	1.7	12
134	HIV proteinase inhibitors containing 2-aminobenzylstatine as a novel scissile bond replacement: biochemical and pharmacological characterization. <i>Antiviral Research</i> , 1994, 25, 215-233.	1.9	11
135	Texas Red transport across rat and dogfish shark ( <i>Squalus acanthias</i> ) choroid plexus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R1311-R1319.	0.9	11
136	Design, Synthesis, In Vitro, and Initial In Vivo Evaluation of Heterobivalent Peptidic Ligands Targeting Both NPY(Y1)- and GRP-Receptors—An Improvement for Breast Cancer Imaging?. <i>Pharmaceuticals</i> , 2018, 11, 65.	1.7	11
137	Aryl hydrocarbon receptor ligands increase ABC transporter activity and protein expression in killifish ( <i>Fundulus heteroclitus</i> ) renal proximal tubules. <i>Biological Chemistry</i> , 2019, 400, 1335-1345.	1.2	11
138	Retention of structural and functional polarity in cultured skate hepatocytes undergoing in vitro morphogenesis. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 144, 167-179.	0.7	10
139	Inhibition of P-glycoprotein by two artemisinin derivatives. <i>Natural Products and Bioprospecting</i> , 2012, 2, 59-64.	2.0	10
140	NOD-scid IL2R <sup>β</sup> null mice engrafted with human peripheral blood mononuclear cells as a model to test therapeutics targeting human signaling pathways. <i>Journal of Translational Medicine</i> , 2013, 11, 4.	1.8	10
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