

František Trejtnar

List of Publications by Year in descending order

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72
papers

1,151
citations

430754

18
h-index

454834

30
g-index

76
all docs

76
docs citations

76
times ranked

1828
citing authors

#	ARTICLE	IF	CITATIONS
1	A Resurrection of 7-MEOTA: A Comparison with Tacrine. <i>Current Alzheimer Research</i> , 2013, 10, 893-906.	0.7	92
2	Salicylanilide derivatives block <i>Mycobacterium tuberculosis</i> through inhibition of isocitrate lyase and methionine aminopeptidase. <i>Tuberculosis</i> , 2012, 92, 434-439.	0.8	73
3	Antimicrobial activity of sulfonamides containing 5-chloro-2-hydroxybenzaldehyde and 5-chloro-2-hydroxybenzoic acid scaffold. <i>European Journal of Medicinal Chemistry</i> , 2012, 50, 433-440.	2.6	70
4	Sulfadiazine Salicylaldehyde-Based Schiff Bases: Synthesis, Antimicrobial Activity and Cytotoxicity. <i>Molecules</i> , 2017, 22, 1573.	1.7	60
5	Iron reduction potentiates hydroxyl radical formation only in flavonols. <i>Food Chemistry</i> , 2012, 135, 2584-2592.	4.2	55
6	Azole Antimycotics Differentially Affect Rifampicin-Induced Pregnane X Receptor-Mediated CYP3A4 Gene Expression. <i>Drug Metabolism and Disposition</i> , 2008, 36, 339-348.	1.7	54
7	4-Aminobenzoic Acid Derivatives: Converting Folate Precursor to Antimicrobial and Cytotoxic Agents. <i>Biomolecules</i> , 2020, 10, 9.	1.8	39
8	Antibacterial Activity of Salicylanilide 4-(Trifluoromethyl)-benzoates. <i>Molecules</i> , 2013, 18, 3674-3688.	1.7	36
9	Synthesis and in vitro evaluation of new derivatives of 2-substituted-6-fluorobenzo[d]thiazoles as cholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1735-1748.	1.4	33
10	The pregnane X receptor downregulates organic cation transporter 1 (SLC22A1) in human hepatocytes by competing for SRC-1 coactivator. <i>British Journal of Pharmacology</i> , 2016, 173, 1703-1715.	2.7	33
11	New lipophilic isoniazid derivatives and their 1,3,4-oxadiazole analogues: Synthesis, antimycobacterial activity and investigation of their mechanism of action. <i>European Journal of Medicinal Chemistry</i> , 2018, 151, 824-835.	2.6	31
12	Synthesis and biological activity of new salicylanilide N,N-disubstituted carbamates and thiocarbamates. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4073-4082.	1.4	28
13	Trans-resveratrol, but not other natural stilbenes occurring in food, carries the risk of drug-food interaction via inhibition of cytochrome P450 enzymes or interaction with xenosensor receptors. <i>Toxicology Letters</i> , 2019, 300, 81-91.	0.4	26
14	Synthesis and in vitro antimycobacterial and isocitrate lyase inhibition properties of novel 2-methoxy-2-hydroxybenzanilides, their thioxo analogues and benzoxazoles. <i>European Journal of Medicinal Chemistry</i> , 2012, 56, 108-119.	2.6	20
15	Highly sensitive fast determination of entecavir in rat urine by means of hydrophilic interaction chromatography-ultra-high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1259, 237-243.	1.8	20
16	Expression of organic cation transporter 1 (OCT1): unique patterns of indirect regulation by nuclear receptors and hepatospecific gene regulation. <i>Drug Metabolism Reviews</i> , 2016, 48, 139-158.	1.5	20
17	Synthesis and antimycobacterial evaluation of pyrazinamide derivatives with benzylamino substitution. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 476-479.	1.0	18
18	Bisamidate Prodrugs of 2-Substituted 9-(2-(Phosphonomethoxy)ethyl]adenine (PMEA, adefovir) as Selective Inhibitors of Adenylate Cyclase Toxin from <i>Bordetella pertussis</i> . <i>ChemMedChem</i> , 2015, 10, 1351-1364.	1.6	18

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19	Steviol, an aglycone of steviol glycoside sweeteners, interacts with the pregnane X (PXR) and aryl hydrocarbon (AHR) receptors in detoxification regulation. <i>Food and Chemical Toxicology</i> , 2017, 109, 130-142.	1.8	18
20	Interactions with selected drug renal transporters and transporter-mediated cytotoxicity in antiviral agents from the group of acyclic nucleoside phosphonates. <i>Toxicology</i> , 2013, 311, 135-146.	2.0	16
21	Salicylanilide diethyl phosphates: Synthesis, antimicrobial activity and cytotoxicity. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 728-737.	1.4	16
22	How to address the sample preparation of hydrophilic compounds: Determination of entecavir in plasma and plasma ultrafiltrate with novel extraction sorbents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 88, 337-344.	1.4	16
23	Novel salicylanilides from 4,5-dihalogenated salicylic acids: Synthesis, antimicrobial activity and cytotoxicity. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1524-1532.	1.4	15
24	A comparison of in vitro methods for determining the membrane receptor expression in cell lines. <i>Nuclear Medicine and Biology</i> , 2012, 39, 893-896.	0.3	14
25	Study of the biotransformation of a potential benzo[c]fluorene antineoplastic using high-performance liquid chromatography with high-speed-scanning ultraviolet detection. <i>Biomedical Applications</i> , 1996, 681, 143-151.	1.7	13
26	Sex differences in stereospecificity of oracin reductases in rat in vitro and in vivo. , 1999, 11, 505-509.		13
27	Modulatory Effects of Quercetin and Rutin on the Activity, Expression and Inducibility of CYP1A1 in Intestinal HCT8 Cells. <i>Phytotherapy Research</i> , 2013, 27, 1889-1893.	2.8	13
28	Biotransformation of anthelmintics and the activity of drug-metabolizing enzymes in the tapeworm <i>Moniezia expansa</i> . <i>Parasitology</i> , 2015, 142, 648-659.	0.7	13
29	Pharmacokinetics and renal handling of 99mTc-labeled peptides. <i>Journal of Nuclear Medicine</i> , 2000, 41, 177-82.	2.8	13
30	Stereospecificity and stereoselectivity of flobufen metabolic profile in male rats in vitro and in vivo: Phase I of biotransformation. <i>Chirality</i> , 2001, 13, 754-759.	1.3	12
31	Analysis of accumulation of 99mTc-octreotide and 99mTc-EDDA/HYNIC-Tyr3-octreotide in the rat kidneys. <i>Nuclear Medicine and Biology</i> , 2004, 31, 231-239.	0.3	12
32	Entecavir Interacts with Influx Transporters hOAT1, hCNT2, hCNT3, but Not with hOCT2: The Potential for Renal Transporter-Mediated Cytotoxicity and Drug-Drug Interactions. <i>Frontiers in Pharmacology</i> , 2015, 6, 304.	1.6	12
33	Analysis of renal handling of radiopharmaceuticals. <i>The Quarterly Journal of Nuclear Medicine: Official Publication of the Italian Association of Nuclear Medicine (AIMN) [and] the International Association of Radiopharmacology (IAR)</i> , 2002, 46, 181-94.	0.5	12
34	Iodinated 1,2-diacylhydrazines, benzohydrazide-hydrazones and their analogues as dual antimicrobial and cytotoxic agents. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 41, 116209.	1.4	11
35	Honey flavonoids inhibit hOATP2B1 and hOATP1A2 transporters and hOATP-mediated rosuvastatin cell uptake in vitro. <i>Xenobiotica</i> , 2018, 48, 745-755.	0.5	11
36	Biodistribution and elimination characteristics of two 111In-labeled CCK-2/gastrin receptor-specific peptides in rats. <i>Anticancer Research</i> , 2007, 27, 907-12.	0.5	11

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37	Metabolic pathways of flobufen – a new antirheumatic and antiarthritic drug. Interspecies comparison. <i>Experimental and Toxicologic Pathology</i> , 1999, 51, 352-356.	2.1	10
38	Synthesis and <i>in vitro</i> antimycobacterial activity of 2-methoxybenzanilides and their thioxo analogues. <i>European Journal of Medicinal Chemistry</i> , 2012, 56, 387-395.	2.6	10
39	Sulfonamide-salicylaldehyde imines active against methicillin- and trimethoprim/sulfonamide-resistant <i>Staphylococci</i> . <i>Future Medicinal Chemistry</i> , 2021, 13, 1945-1962.	1.1	10
40	Novel derivatives of nitro-substituted salicylic acids: Synthesis, antimicrobial activity and cytotoxicity. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7292-7301.	1.4	9
41	Exploring Time-Resolved Characterization of the Heterogeneity and Dynamics of Ligand-Receptor Interactions on Living Cells. <i>Journal of Analytical Oncology</i> , 2014, 3, .	0.1	9
42	Stereoselective pharmacokinetics of flobufen in rats. , 1999, 11, 781-786.		8
43	Renal Handling of Amphotericin B and Amphotericin B-Deoxycholate and Potential Renal Drug-Drug Interactions with Selected Antivirals. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5650-5657.	1.4	8
44	3-Substituted N-Benzylpyrazine-2-carboxamide Derivatives: Synthesis, Antimycobacterial and Antibacterial Evaluation. <i>Molecules</i> , 2017, 22, 495.	1.7	8
45	Distribution and elimination characteristics of ¹¹¹ In-DTPA-D-Phe1-octreotide and ¹¹¹ In-DTPA-L-Phe1-octreotide in rats. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2002, 27, 37-43.	0.6	7
46	<i>In vitro</i> comparison of renal handling and uptake of two somatostatin receptor-specific peptides labeled with indium-111. <i>Annals of Nuclear Medicine</i> , 2008, 22, 859-867.	1.2	7
47	Cytotoxicity decreasing effect and antimycobacterial activity of chitosan conjugated with antituberculous drugs. <i>Carbohydrate Polymers</i> , 2011, 83, 1901-1907.	5.1	7
48	The effect of chelator type on <i>in vitro</i> receptor binding and stability in ¹⁷⁷ Lu-labeled cetuximab and panitumumab. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2014, 57, 448-452.	0.5	7
49	Synthesis and antimicrobial activity of sulphamethoxazole-based ureas and imidazolidine-2,4,5-triones. <i>Chemical Papers</i> , 2015, 69, .	1.0	7
50	Synthesis of readily available fluorophenylalanine derivatives and investigation of their biological activity. <i>Bioorganic Chemistry</i> , 2017, 71, 244-256.	2.0	7
51	Interaction of soy isoflavones and their main metabolites with hOATP2B1 transporter. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 1063-1071.	1.4	7
52	New hybrids of tacrine and indomethacin as multifunctional acetylcholinesterase inhibitors. <i>Chemical Papers</i> , 2021, 75, 249-264.	1.0	7
53	Optimizing the structure of (salicylideneamino)benzoic acids: Towards selective antifungal and anti-staphylococcal agents. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 159, 105732.	1.9	7
54	Stereoselective pharmacokinetics and metabolism of flobufen in guinea pigs. <i>Chirality</i> , 2003, 15, 724-729.	1.3	6

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55	The involvement of selected membrane transport mechanisms in the cellular uptake of ¹⁷⁷ Lu-labeled bombesin, somatostatin and gastrin analogues. <i>Nuclear Medicine and Biology</i> , 2015, 42, 1-7.	0.3	6
56	Novel Aminoguanidine Hydrazone Analogues: From Potential Antimicrobial Agents to Potent Cholinesterase Inhibitors. <i>Pharmaceuticals</i> , 2021, 14, 1229.	1.7	6
57	Possible use of excretion of tubular epithelial cells for the study of the nephrotoxic effect of xenobiotics. <i>Journal of Pharmacological and Toxicological Methods</i> , 1996, 36, 199-204.	0.3	5
58	Preclinical evaluation of anti-VEGFR2 monoclonal antibody ramucirumab labelled with zirconium-89 for tumour imaging. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2021, 64, 262-270.	0.5	4
59	^{99m} Tc demotate 1: biodistribution and elimination characteristics in rats. <i>Nuclear Medicine Communications</i> , 2005, 26, 549-554.	0.5	3
60	Antiangiogenic Human Monoclonal Antibody Ramucirumab Radiolabelling: In Vitro Evaluation on VEGFR2-positive Cell Lines. <i>Anticancer Research</i> , 2019, 39, 735-744.	0.5	3
61	Determination of receptor protein binding site specificity and relative binding strength using a time-resolved competition assay. <i>Journal of Pharmacological and Toxicological Methods</i> , 2014, 70, 145-151.	0.3	2
62	Design, synthesis and anti-mycobacterial evaluation of some new N-phenylpyrazine-2-carboxamides. <i>Chemical Papers</i> , 2015, .	1.0	2
63	<i>In vitro</i> evaluation of concentration, labeling effectiveness and stability for ¹³¹ I-labeled radioimmunoassay ligand using real-time detection technology. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 80-86.	0.5	2
64	Design and Synthesis of Highly Active Antimycobacterial Mutual Esters of 2-(2-Isonicotinoylhydrazineylidene)propanoic Acid. <i>Pharmaceuticals</i> , 2021, 14, 1302.	1.7	2
65	Use of rat hepatocytes immobilized in agarose gel threads for biosynthesis of metabolites of potential cytostatics. <i>Experimental and Toxicologic Pathology</i> , 1999, 51, 432-435.	2.1	1
66	Comparison of ^{99m} Tc-mercaptoacetyltryglycine and [¹³¹ I]-o-iodohippurate elimination in perfused rat kidney. <i>Nuclear Medicine and Biology</i> , 2003, 30, 45-49.	0.3	1
67	Distribution, Elimination, and Renal Handling of ^{99m} Tc-Technetium-Demogastrin 1. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2012, 27, 169-174.	0.7	1
68	The <i>in vivo</i> disposition and <i>in vitro</i> transmembrane transport of two model radiometabolites of DOTA-conjugated receptor-specific peptides labelled with ¹⁷⁷ Lu. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2015, 58, 483-489.	0.5	1
69	New total synthesis and structure confirmation of putative (+)-hyacinthacine C ₃ and (+)-5-epi-hyacinthacine C ₃ . <i>RSC Advances</i> , 2021, 11, 31621-31630.	1.7	1
70	Demethylational and conjugational biotransformations in the renal tissue. <i>European Journal of Pharmacology</i> , 1990, 183, 1344-1345.	1.7	0
71	Highly stereocontrolled total synthesis of racemic codonopsinol B through isoxazolidine-4,5-diol vinylation. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2781-2786.	1.3	0
72	N-demethylation activity of renal and hepatic subcellular fractions: an interspecies comparison. <i>Physiological Research</i> , 1991, 40, 81-6.	0.4	0