

# Jörg König

## List of Publications by Year in descending order

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99  
papers

10,153  
citations

36303

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37204

96  
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all docs

104  
docs citations

104  
times ranked

6713  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugate export pumps of the multidrug resistance protein (MRP) family: localization, substrate specificity, and MRP2-mediated drug resistance. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1461, 377-394.	2.6	681
2	cDNA Cloning of the Hepatocyte Canalicular Isoform of the Multidrug Resistance Protein, cMrp, Reveals a Novel Conjugate Export Pump Deficient in Hyperbilirubinemic Mutant Rats. <i>Journal of Biological Chemistry</i> , 1996, 271, 15091-15098.	3.4	580
3	A novel human organic anion transporting polypeptide localized to the basolateral hepatocyte membrane. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 278, G156-G164.	3.4	479
4	Transporters and Drug-Drug Interactions: Important Determinants of Drug Disposition and Effects. <i>Pharmacological Reviews</i> , 2013, 65, 944-966.	16.0	475
5	Localization and Genomic Organization of a New Hepatocellular Organic Anion Transporting Polypeptide. <i>Journal of Biological Chemistry</i> , 2000, 275, 23161-23168.	3.4	462
6	Hepatic Uptake of Bilirubin and Its Conjugates by the Human Organic Anion Transporter SLC21A6. <i>Journal of Biological Chemistry</i> , 2001, 276, 9626-9630.	3.4	458
7	Characterization of the human multidrug resistance protein isoform MRP3 localized to the basolateral hepatocyte membrane. <i>Hepatology</i> , 1999, 29, 1156-1163.	7.3	430
8	Pharmacogenomics of human OATP transporters. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2006, 372, 432-443.	3.0	308
9	ABCC Drug Efflux Pumps and Organic Anion Uptake Transporters in Human Gliomas and the Blood-Tumor Barrier. <i>Cancer Research</i> , 2005, 65, 11419-11428.	0.9	266
10	Expression and localization of the conjugate export pump encoded by the <i>MRP2 (cMRP/cMOA)</i> gene in liver. <i>FASEB Journal</i> , 1997, 11, 509-515.	0.5	265
11	Hepatic Secretion of Conjugated Drugs and Endogenous Substances. <i>Seminars in Liver Disease</i> , 2000, Volume 20, 265-272.	3.6	224
12	Expression of the MRP2 Gene-Encoded Conjugate Export Pump in Human Kidney Proximal Tubules and in Renal Cell Carcinoma. <i>Journal of the American Society of Nephrology: JASN</i> , 1999, 10, 1159-1169.	6.1	224
13	Vectorial Transport by Double-Transfected Cells Expressing the Human Uptake Transporter SLC21A8 and the Apical Export Pump ABCC2. <i>Molecular Pharmacology</i> , 2001, 60, 934-943.	2.3	209
14	Human Hepatobiliary Transport of Organic Anions Analyzed by Quadruple-Transfected Cells. <i>Molecular Pharmacology</i> , 2005, 68, 1031-1038.	2.3	193
15	Deletion of the Mammalian INDY Homolog Mimics Aspects of Dietary Restriction and Protects against Adiposity and Insulin Resistance in Mice. <i>Cell Metabolism</i> , 2011, 14, 184-195.	16.2	193
16	The Influence of Macrolide Antibiotics on the Uptake of Organic Anions and Drugs Mediated by OATP1B1 and OATP1B3. <i>Drug Metabolism and Disposition</i> , 2007, 35, 779-786.	3.3	175
17	Mutations in the SLCO1B3 gene affecting the substrate specificity of the hepatocellular uptake transporter OATP1B3 (OATP8). <i>Pharmacogenetics and Genomics</i> , 2004, 14, 441-452.	5.7	170
18	Expression and localization of human multidrug resistance protein (ABCC) family members in pancreatic carcinoma. <i>International Journal of Cancer</i> , 2005, 115, 359-367.	5.1	165

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19	Expression of the multidrug resistance proteins MRP2 and MRP3 in human hepatocellular carcinoma. <i>International Journal of Cancer</i> , 2001, 94, 492-499.	5.1	163
20	The multidrug resistance protein MRP1 mediates the release of glutathione disulfide from rat astrocytes during oxidative stress. <i>Journal of Neurochemistry</i> , 2001, 76, 627-636.	3.9	153
21	Transport of monoglucuronosyl and bisglucuronosyl bilirubin by recombinant human and rat multidrug resistance protein 2. <i>Hepatology</i> , 1999, 30, 485-490.	7.3	151
22	Changes in the expression and localization of hepatocellular transporters and radixin in primary biliary cirrhosis. <i>Journal of Hepatology</i> , 2003, 39, 693-702.	3.7	149
23	Exon-intron organization of the human multidrug-resistance protein 2 (MRP2) gene mutated in Dubinâ€“Johnson syndrome. <i>Gastroenterology</i> , 1999, 117, 653-660.	1.3	148
24	A Naturally Occurring Mutation in the SLC21A6 Gene Causing Impaired Membrane Localization of the Hepatocyte Uptake Transporter. <i>Journal of Biological Chemistry</i> , 2002, 277, 43058-43063.	3.4	127
25	Influence of the flavonoids apigenin, kaempferol, and quercetin on the function of organic anion transporting polypeptides 1A2 and 2B1. <i>Biochemical Pharmacology</i> , 2010, 80, 1746-1753.	4.4	121
26	Expression of mRNAs of multidrug resistance proteins (Mrps) in cultured rat astrocytes, oligodendrocytes, microglial cells and neurones. <i>Journal of Neurochemistry</i> , 2002, 82, 716-719.	3.9	120
27	Interaction of Oral Antidiabetic Drugs With Hepatic Uptake Transporters. <i>Diabetes</i> , 2008, 57, 1463-1469.	0.6	111
28	Uptake Transporters of the Human OATP Family. <i>Handbook of Experimental Pharmacology</i> , 2011, , 1-28.	1.8	107
29	Detection of the Human Organic Anion Transporters SLC21A6 (OATP2) and SLC21A8 (OATP8) in Liver and Hepatocellular Carcinoma. <i>Laboratory Investigation</i> , 2003, 83, 527-538.	3.7	105
30	Role of P-Glycoprotein Inhibition for Drug Interactions. <i>Clinical Pharmacokinetics</i> , 2007, 46, 1039-1049.	3.5	101
31	Structural determinants of inhibitor interaction with the human organic cation transporter OCT2 (SLC22A2). <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009, 379, 337-348.	3.0	101
32	Expression and localization of the multidrug resistance proteins MRP2 and MRP3 in human gallbladder epithelia. <i>Gastroenterology</i> , 2001, 121, 1203-1208.	1.3	99
33	Influence of Non-Steroidal Anti-Inflammatory Drugs on Organic Anion Transporting Polypeptide (OATP) 1B1- and OATP1B3-Mediated Drug Transport. <i>Drug Metabolism and Disposition</i> , 2011, 39, 1047-1053.	3.3	94
34	Hepatic OATP and OCT uptake transporters: their role for drug-drug interactions and pharmacogenetic aspects. <i>Drug Metabolism Reviews</i> , 2010, 42, 380-401.	3.6	93
35	Clinical Aspects of Transporter-Mediated Drug-Drug Interactions. <i>Clinical Pharmacology and Therapeutics</i> , 2019, 105, 1386-1394.	4.7	88
36	Characterization of the 5â€“flanking region of the human multidrug resistance protein 2 (MRP2) gene and its regulation in comparison with the multidrug resistance protein 3 (MRP3) gene. <i>FEBS Journal</i> , 2000, 267, 1347-1358.	0.2	87

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37	Disposition of ezetimibe is influenced by polymorphisms of the hepatic uptake carrier OATP1B1. <i>Pharmacogenetics and Genomics</i> , 2008, 18, 559-568.	1.5	87
38	Export pumps for anionic conjugates encoded by MRP genes. <i>Advances in Enzyme Regulation</i> , 1999, 39, 237-246.	2.6	86
39	Role of organic cation transporter OCT2 and multidrug and toxin extrusion proteins MATE1 and MATE2-K for transport and drug interactions of the antiviral lamivudine. <i>Biochemical Pharmacology</i> , 2013, 86, 808-815.	4.4	85
40	Identification and functional characterization of the natural variant MRP3-Arg1297His of human multidrug resistance protein 3 (MRP3/ABCC3). <i>Pharmacogenetics and Genomics</i> , 2004, 14, 213-223.	5.7	84
41	The canalicular multidrug resistance protein, cMRP/MRP2, a novel conjugate export pump expressed in the apical membrane of hepatocytes. <i>Advances in Enzyme Regulation</i> , 1997, 37, 321-333.	2.6	82
42	Functional Characterization of the Human Organic Cation Transporter 2 Variant p.270Ala>Ser. <i>Drug Metabolism and Disposition</i> , 2009, 37, 1312-1318.	3.3	80
43	Localization, substrate specificity, and drug resistance conferred by conjugate export pumps of the MRP family. <i>Advances in Enzyme Regulation</i> , 2000, 40, 339-349.	2.6	71
44	<i>In vitro</i> evidence for the role of OATP and OCT uptake transporters in drug-drug interactions. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2009, 5, 489-500.	3.3	71
45	Structural requirements for the apical sorting of human multidrug resistance protein 2 (ABCC2). <i>FEBS Journal</i> , 2002, 269, 1866-1876.	0.2	64
46	Molecular Mechanism of Renal Tubular Secretion of the Antimalarial Drug Chloroquine. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 3091-3098.	3.2	64
47	Inhibitory Effects of Green Tea and (–)-Epigallocatechin Gallate on Transport by OATP1B1, OATP1B3, OCT1, OCT2, MATE1, MATE2-K and P-Glycoprotein. <i>PLoS ONE</i> , 2015, 10, e0139370.	2.5	64
48	Biomarkers for In Vivo Assessment of Transporter Function. <i>Pharmacological Reviews</i> , 2018, 70, 246-277.	16.0	59
49	The human longevity gene homolog INDY and interleukin 6 interact in hepatic lipid metabolism. <i>Hepatology</i> , 2017, 66, 616-630.	7.3	55
50	Expression and localization of the uptake transporters OATP2B1, OATP3A1 and OATP5A1 in non-malignant and malignant breast tissue. <i>Cancer Biology and Therapy</i> , 2011, 11, 584-591.	3.4	54
51	Genome-Wide Association Study of Arginine and Dimethylarginines Reveals Novel Metabolic Pathway for Symmetric Dimethylarginine. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 864-872.	5.1	53
52	Inhibition of Mouse Erythroid Band 3-Mediated Chloride Transport by Site-Directed Mutagenesis of Histidine Residues and Its Reversal by Second Site Mutation of Lys 558, the Locus of Covalent H2DIDS Binding. <i>Biochemistry</i> , 1995, 34, 9315-9324.	2.5	52
53	Interaction of the cardiovascular risk marker asymmetric dimethylarginine (ADMA) with the human cationic amino acid transporter 1 (CAT1). <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 392-400.	1.9	52
54	Gender Is an Important Determinant of the Disposition of the Loop Diuretic Torasemide. <i>Journal of Clinical Pharmacology</i> , 2010, 50, 160-168.	2.0	49

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55	The Prostaglandin Transporter OATP2A1 Is Expressed in Human Ocular Tissues and Transports the Antiglaucoma Prostanoid Latanoprost. , 2010, 51, 2504.		48
56	<i>SLCO1B1</i> genetic polymorphism influences mycophenolic acid tolerance in renal transplant recipients. Pharmacogenomics, 2010, 11, 1703-1713.	1.3	48
57	ATP-Binding Cassette Transporters in the Heart. Trends in Cardiovascular Medicine, 2006, 16, 7-15.	4.9	44
58	The functional consequences of genetic variations in transporter genes encoding human organic anion-transporting polypeptide family members. Expert Opinion on Drug Metabolism and Toxicology, 2008, 4, 51-64.	3.3	44
59	Transport of asymmetric dimethylarginine (ADMA) by cationic amino acid transporter 2 (CAT2), organic cation transporter 2 (OCT2) and multidrug and toxin extrusion protein 1 (MATE1). Amino Acids, 2013, 45, 989-1002.	2.7	41
60	Role of Organic Anion-Transporting Polypeptides for Cellular Mesalazine (5-Aminosalicylic Acid) Uptake. Drug Metabolism and Disposition, 2011, 39, 1097-1102.	3.3	40
61	Purification of the human apical conjugate export pump MRP2. Reconstitution and functional characterization as substrate-stimulated ATPase. FEBS Journal, 1999, 265, 281-289.	0.2	39
62	In vivo evidence that Agxt2 can regulate plasma levels of dimethylarginines in mice. Biochemical and Biophysical Research Communications, 2013, 430, 84-89.	2.1	36
63	Alanine-glyoxylate aminotransferase 2 (AGXT2) Polymorphisms Have Considerable Impact on Methylarginine and $\beta^2$ -aminoisobutyrate Metabolism in Healthy Volunteers. PLoS ONE, 2014, 9, e88544.	2.5	33
64	The Nonmetabolized $\beta^2$ -Blocker Nadolol Is a Substrate of OCT1, OCT2, MATE1, MATE2-K, and P-Glycoprotein, but Not of OATP1B1 and OATP1B3. Molecular Pharmaceutics, 2016, 13, 512-519.	4.6	33
65	MRP2, THE APICAL EXPORT PUMP FOR ANIONIC CONJUGATES. , 2003, , 423-443.		29
66	Transporter-Mediated Drug-Drug Interactions with Oral Antidiabetic Drugs. Pharmaceutics, 2011, 3, 680-705.	4.5	29
67	Tropane alkaloids as substrates and inhibitors of human organic cation transporters of the SLC22 (OCT) and the SLC47 (MATE) families. Biological Chemistry, 2017, 398, 237-249.	2.5	28
68	Functional analysis of the polymorphism $\beta^2$ 211C>T in the regulatory region of the human ABCC3 gene. Life Sciences, 2007, 80, 1490-1494.	4.3	27
69	The prognostic biomarker L-homoarginine is a substrate of the cationic amino acid transporters CAT1, CAT2A and CAT2B. Scientific Reports, 2017, 7, 4767.	3.3	27
70	Human Mast Cells Secreting Leukotriene C4 Express the MRP1 Gene-Encoded Conjugate Export Pump. Biological Chemistry, 1998, 379, 1121-6.	2.5	25
71	Characterization of Ursodeoxycholic and Norursodeoxycholic Acid as Substrates of the Hepatic Uptake Transporters <i>OATP</i> 1B1, <i>OATP</i> 1B3, <i>OATP</i> 2B1 and <i>NTCP</i> . Basic and Clinical Pharmacology and Toxicology, 2012, 111, 81-86.	2.5	24
72	Analysis of naturally occurring mutations in the human uptake transporter NaCT important for bone and brain development and energy metabolism. Scientific Reports, 2018, 8, 11330.	3.3	24

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73	The Influence of Oral Antidiabetic Drugs on Cellular Drug Uptake Mediated by Hepatic <sc>OATP</sc> Family Members. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2013, 112, 244-250.	2.5	23
74	Importance of OCT2 and MATE1 for the Cimetidine&#x2013;Metformin Interaction: Insights from Investigations of Polarized Transport in Single- And Double-Transfected MDCK Cells with a Focus on Perpetrator Disposition. <i>Molecular Pharmaceutics</i> , 2018, 15, 3425-3433.	4.6	23
75	Contribution of MATE1 to Renal Secretion of the NMDA Receptor Antagonist Memantine. <i>Molecular Pharmaceutics</i> , 2017, 14, 2991-2998.	4.6	22
76	Transport of L-Arginine Related Cardiovascular Risk Markers. <i>Journal of Clinical Medicine</i> , 2020, 9, 3975.	2.4	21
77	The renal transport protein OATP4C1 mediates uptake of the uremic toxin asymmetric dimethylarginine (ADMA) and efflux of cardioprotective L-homoarginine. <i>PLoS ONE</i> , 2019, 14, e0213747.	2.5	17
78	Interplay of the Organic Cation Transporters OCT1 and OCT2 with the Apically Localized Export Protein MATE1 for the Polarized Transport of Trospium. <i>Molecular Pharmaceutics</i> , 2019, 16, 510-517.	4.6	14
79	Interaction of Remdesivir with Clinically Relevant Hepatic Drug Uptake Transporters. <i>Pharmaceutics</i> , 2021, 13, 369.	4.5	14
80	Reconstitution of Transport-Active Multidrug Resistance Protein 2 (MRP2; ABCC2) in Proteoliposomes. <i>Biological Chemistry</i> , 2002, 383, 1001-9.	2.5	13
81	Impact of the CYP3A5 genotype on midazolam pharmacokinetics and pharmacodynamics during intensive care sedation. <i>European Journal of Clinical Pharmacology</i> , 2007, 63, 1129-1133.	1.9	13
82	Esters of Bendamustine Are by Far More Potent Cytotoxic Agents than the Parent Compound against Human Sarcoma and Carcinoma Cells. <i>PLoS ONE</i> , 2015, 10, e0133743.	2.5	12
83	Transport of Drugs and Endogenous Compounds Mediated by Human OCT1: Studies in Single- and Double-Transfected Cell Models. <i>Frontiers in Pharmacology</i> , 2021, 12, 662535.	3.5	11
84	Non-synonymous polymorphisms in the human SLCO1B1 gene: an in vitro analysis of SNP&#x2013;1929A&gt;C. <i>Molecular Genetics and Genomics</i> , 2008, 279, 149-157.	2.1	9
85	Deletion of the diabetes candidate gene Slc16a13 in mice attenuates diet-induced ectopic lipid accumulation and insulin resistance. <i>Communications Biology</i> , 2021, 4, 826.	4.4	6
86	Vectorial transport of the arginine derivatives asymmetric dimethylarginine (ADMA) and l-homoarginine by OATP4C1 and P-glycoprotein studied in double-transfected MDCK cells. <i>Amino Acids</i> , 2020, 52, 975-985.	2.7	5
87	Assays for Analyzing the Role of Transport Proteins in the Uptake and the Vectorial Transport of Substances Affecting Cell Viability. <i>Methods in Molecular Biology</i> , 2017, 1601, 123-135.	0.9	5
88	Molecular analysis of regulation of gene expression of the human erythroid anion exchanger (AE) 1. <i>FEBS Letters</i> , 1998, 438, 315-320.	2.8	4
89	Deletion of the Mammalian INDY Homolog Mimics Aspects of Dietary Restriction and Protects against Adiposity and Insulin Resistance in Mice. <i>Cell Metabolism</i> , 2011, 14, 567.	16.2	4
90	Analysis of amino acid residues in the predicted transmembrane pore influencing transport kinetics of the hepatic drug transporter organic anion transporting polypeptide 1B1 (OATP1B1). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2894-2902.	2.6	4

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91	Exposure of Fexofenadine, but Not Pseudoephedrine, Is Markedly Decreased by Green Tea Extract in Healthy Volunteers. <i>Clinical Pharmacology and Therapeutics</i> , 2022, 112, 627-634.	4.7	4
92	Role of Uptake Transporters OAT4, OATP2A1, and OATP1A2 in Human Placental Bio-disposition of Pravastatin. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 505-516.	3.3	3
93	Carbamazepine efficacy in a severe electroâ€clinical presentation of <scp><i>SLC13A5</i></scp>â€epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2022, 9, 1095-1099.	3.7	3
94	The human hepatocyte-specific organic anion transporter encoded by the SLC21A8 gene. <i>Gastroenterology</i> , 2002, 122, 1545-1546.	1.3	2
95	Screening of commonly prescribed drugs for effects on the CAT1-mediated transport of l-arginine and arginine derivatives. <i>Amino Acids</i> , 2022, 54, 1101-1108.	2.7	2
96	L-Arginine and Cardioactive Arginine Derivatives as Substrates and Inhibitors of Human and Mouse NaCT/Nact. <i>Metabolites</i> , 2022, 12, 273.	2.9	2
97	The Role of ABCC Family Members in the Disposition of Endogenous Compounds and Drugs. , 2011, , 209-245.		0
98	Transport of Bilirubin Conjugates across Hepatocellular Membrane Domains and the Conjugated Hyperbilirubinemia of Dubin-Johnson Syndrome. , 2004, , 195-210.		0
99	Zebrafish Oatp1d1 Acts as a Cellular Efflux Transporter of the Anionic Herbicide Bromoxynil. <i>Chemical Research in Toxicology</i> , 2022, , .	3.3	0