

Wolfgang Sadee

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122
papers

6,866
citations

43
h-index

81
g-index

129
ext. papers

7,529
ext. citations

5.1
avg. IF

5.6
L-index

#	Paper	IF	Citations
122	Potential role of pharmacogenomics in reducing adverse drug reactions: a systematic review. <i>JAMA - Journal of the American Medical Association</i> , 2001 , 286, 2270-9	27.4	467
121	Allelic expression imbalance of human mu opioid receptor (OPRM1) caused by variant A118G. <i>Journal of Biological Chemistry</i> , 2005 , 280, 32618-24	5.4	444
120	Multidrug resistance polypeptide 1 (MDR1, ABCB1) variant 3435C>T affects mRNA stability. <i>Pharmacogenetics and Genomics</i> , 2005 , 15, 693-704	1.9	355
119	Polymorphisms in human dopamine D2 receptor gene affect gene expression, splicing, and neuronal activity during working memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20552-7	11.5	337
118	MicroRNAs modulate the chemosensitivity of tumor cells. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 1-9	6.1	318
117	Membrane transporters and channels: role of the transportome in cancer chemosensitivity and chemoresistance. <i>Cancer Research</i> , 2004 , 64, 4294-301	10.1	244
116	Cystine-glutamate transporter SLC7A11 in cancer chemosensitivity and chemoresistance. <i>Cancer Research</i> , 2005 , 65, 7446-54	10.1	224
115	Innate immune gene polymorphisms in tuberculosis. <i>Infection and Immunity</i> , 2012 , 80, 3343-59	3.7	221
114	MicroRNA expression profiles for the NCI-60 cancer cell panel. <i>Molecular Cancer Therapeutics</i> , 2007 , 6, 1483-91	6.1	215
113	Regulatory polymorphism in vitamin K epoxide reductase complex subunit 1 (VKORC1) affects gene expression and warfarin dose requirement. <i>Blood</i> , 2008 , 112, 1013-21	2.2	163
112	Multidrug resistance polypeptide 1 (MDR1, ABCB1) variant 3435C>T affects mRNA stability. <i>Pharmacogenetics and Genomics</i> , 2005 , 15, 693-704	1.9	162
111	Pharmacogenetics/genomics and personalized medicine. <i>Human Molecular Genetics</i> , 2005 , 14 Spec No. 2, R207-14	5.6	140
110	Pharmacogenomics: the promise of personalized medicine. <i>AAPS PharmSci</i> , 2000 , 2, E4		133
109	Opioid receptor homo- and heterodimerization in living cells by quantitative bioluminescence resonance energy transfer. <i>Molecular Pharmacology</i> , 2005 , 67, 2173-84	4.3	131
108	The Pharmacogenomics Research Network Translational Pharmacogenetics Program: overcoming challenges of real-world implementation. <i>Clinical Pharmacology and Therapeutics</i> , 2013 , 94, 207-10	6.1	128
107	Intronic polymorphisms affecting alternative splicing of human dopamine D2 receptor are associated with cocaine abuse. <i>Neuropsychopharmacology</i> , 2011 , 36, 753-62	8.7	111
106	Inverse agonists and neutral antagonists at mu opioid receptor (MOR): possible role of basal receptor signaling in narcotic dependence. <i>Journal of Neurochemistry</i> , 2001 , 77, 1590-600	6	111

105	Constitutive mu opioid receptor activation as a regulatory mechanism underlying narcotic tolerance and dependence. <i>Life Sciences</i> , 1994 , 54, PL339-50	6.8	106
104	Dopamine transporter gene variant affecting expression in human brain is associated with bipolar disorder. <i>Neuropsychopharmacology</i> , 2011 , 36, 1644-55	8.7	105
103	The human zinc transporter SLC39A8 (Zip8) is critical in zinc-mediated cytoprotection in lung epithelia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008 , 294, L1127-36	5.8	104
102	Single nucleotide polymorphism genotyping using allele-specific PCR and fluorescence melting curves. <i>BioTechniques</i> , 2003 , 34, 1068-72	2.5	96
101	Opiate antagonist receptor binding in vivo: evidence for a new receptor binding model. <i>Brain Research</i> , 1980 , 199, 49-61	3.7	95
100	Sequestration of dopamine D2 receptors depends on coexpression of G-protein-coupled receptor kinases 2 or 5. <i>FEBS Journal</i> , 1999 , 260, 112-9		91
99	Allelic mRNA expression of X-linked monoamine oxidase a (MAOA) in human brain: dissection of epigenetic and genetic factors. <i>Human Molecular Genetics</i> , 2006 , 15, 2636-49	5.6	89
98	Basal opioid receptor activity, neutral antagonists, and therapeutic opportunities. <i>Life Sciences</i> , 2005 , 76, 1427-37	6.8	83
97	Searching for polymorphisms that affect gene expression and mRNA processing: example ABCB1 (MDR1). <i>AAPS Journal</i> , 2006 , 8, E515-20	3.7	82
96	Highly variable mRNA expression and splicing of L-type voltage-dependent calcium channel alpha subunit 1C in human heart tissues. <i>Pharmacogenetics and Genomics</i> , 2006 , 16, 735-45	1.9	79
95	Common CYP2D6 polymorphisms affecting alternative splicing and transcription: long-range haplotypes with two regulatory variants modulate CYP2D6 activity. <i>Human Molecular Genetics</i> , 2014 , 23, 268-78	5.6	78
94	Genetically determined interaction between the dopamine transporter and the D2 receptor on prefronto-striatal activity and volume in humans. <i>Journal of Neuroscience</i> , 2009 , 29, 1224-34	6.6	78
93	Polymorphisms affecting gene transcription and mRNA processing in pharmacogenetic candidate genes: detection through allelic expression imbalance in human target tissues. <i>Pharmacogenetics and Genomics</i> , 2008 , 18, 781-91	1.9	78
92	Genetic variants of the human H+/dipeptide transporter PEPT2: analysis of haplotype functions. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 311, 1088-96	4.7	76
91	Basal signaling activity of mu opioid receptor in mouse brain: role in narcotic dependence. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 308, 512-20	4.7	74
90	Polymorphisms affecting gene regulation and mRNA processing: broad implications for pharmacogenetics 2005 , 106, 19-38		74
89	In vivo characterization of 6beta-naltrexol, an opioid ligand with less inverse agonist activity compared with naltrexone and naloxone in opioid-dependent mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 313, 1150-62	4.7	73
88	Different effects of opioid antagonists on mu-, delta-, and kappa-opioid receptors with and without agonist pretreatment. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 321, 544-52	4.7	69

87	G-protein coupling of Opioid receptors (OP3): elevated basal signalling activity. <i>Biochemical Journal</i> , 2000 , 348, 531-537	3.8	67
86	Protein therapeutics: new applications for pharmacogenetics. <i>Nature Reviews Drug Discovery</i> , 2006 , 5, 507-21	64.1	59
85	Nicotinic α receptor subunit mRNA expression is associated with distant 5'upstream polymorphisms. <i>European Journal of Human Genetics</i> , 2011 , 19, 76-83	5.3	54
84	Multiple regulatory variants modulate expression of 5-hydroxytryptamine 2A receptors in human cortex. <i>Biological Psychiatry</i> , 2013 , 73, 546-54	7.9	50
83	Missing heritability of common diseases and treatments outside the protein-coding exome. <i>Human Genetics</i> , 2014 , 133, 1199-215	6.3	47
82	Cholesteryl Ester Transfer Protein (CETP) polymorphisms affect mRNA splicing, HDL levels, and sex-dependent cardiovascular risk. <i>PLoS ONE</i> , 2012 , 7, e31930	3.7	45
81	Whole transcriptome RNA-Seq allelic expression in human brain. <i>BMC Genomics</i> , 2013 , 14, 571	4.5	43
80	Evolutionary relationships among G protein-coupled receptors using a clustered database approach. <i>AAPS PharmSci</i> , 2001 , 3, E12		43
79	Growth factor signaling and resistance to cancer chemotherapy. <i>Current Topics in Medicinal Chemistry</i> , 2004 , 4, 1347-56	3	43
78	Messenger RNA expression of transporter and ion channel genes in undifferentiated and differentiated Caco-2 cells compared to human intestines. <i>Pharmaceutical Research</i> , 2003 , 20, 3-15	4.5	42
77	Human N-acetyltransferase 1 *10 and *11 alleles increase protein expression through distinct mechanisms and associate with sulfamethoxazole-induced hypersensitivity. <i>Pharmacogenetics and Genomics</i> , 2011 , 21, 652-64	1.9	39
76	Nuclear Ca ²⁺ /calmodulin translocation activated by mu-opioid (OP3) receptor. <i>Journal of Neurochemistry</i> , 2000 , 74, 1418-25	6	38
75	Human proton/oligopeptide transporter (POT) genes: identification of putative human genes using bioinformatics. <i>AAPS PharmSci</i> , 2000 , 2, E16		38
74	Chemoinformatics analysis identifies cytotoxic compounds susceptible to chemoresistance mediated by glutathione and cystine/glutamate transport system xc-. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 1896-906	8.3	36
73	Basal phosphorylation of mu opioid receptor is agonist modulated and Ca ²⁺ -dependent. <i>FEBS Letters</i> , 1996 , 387, 53-7	3.8	35
72	Differential effects of mu-opioid receptor ligands on Ca(2+) signaling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 302, 1002-12	4.7	30
71	Association of dopamine gene variants, emotion dysregulation and ADHD in autism spectrum disorder. <i>Research in Developmental Disabilities</i> , 2014 , 35, 1658-65	2.7	28
70	G-protein coupling of Opioid receptors (OP3): elevated basal signalling activity. <i>Biochemical Journal</i> , 2000 , 348, 531	3.8	26

69	Transporter and ion channel gene expression after Caco-2 cell differentiation using 2 different microarray technologies. <i>AAPS Journal</i> , 2004 , 6, e21	3.7	25
68	Residues specifically involved in down-regulation but not internalization of the m1 muscarinic acetylcholine receptor. <i>Journal of Neurochemistry</i> , 1997 , 68, 601-9	6	25
67	Cystine-glutamate transporter SLC7A11 mediates resistance to geldanamycin but not to 17-(allylamino)-17-demethoxygeldanamycin. <i>Molecular Pharmacology</i> , 2007 , 72, 1637-46	4.3	24
66	Prediction of anticancer drug potency from expression of genes involved in growth factor signaling. <i>Pharmaceutical Research</i> , 2006 , 23, 336-49	4.5	24
65	Sequence alignments of the H(+)-dependent oligopeptide transporter family PTR: inferences on structure and function of the intestinal PET1 transporter. <i>Pharmaceutical Research</i> , 1997 , 14, 388-400	4.5	22
64	Expression and splicing of ABC and SLC transporters in the human blood-brain barrier measured with RNAseq. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 103, 47-51	5.1	21
63	CYP2D6 Genetic Variation and Beta-Blocker Maintenance Dose in Patients with Heart Failure. <i>Pharmaceutical Research</i> , 2017 , 34, 1615-1625	4.5	21
62	Alveolar macrophages from tuberculosis patients display an altered inflammatory gene expression profile. <i>Tuberculosis</i> , 2017 , 107, 156-167	2.6	21
61	6Ehaltrexol, a peripherally selective opioid antagonist that inhibits morphine-induced slowing of gastrointestinal transit: an exploratory study. <i>Pain Medicine</i> , 2011 , 12, 1727-37	2.8	20
60	The CHRNA5/CHRNA3/CHRNA4 Nicotinic Receptor Regulome: Genomic Architecture, Regulatory Variants, and Clinical Associations. <i>Human Mutation</i> , 2017 , 38, 112-119	4.7	19
59	RNA sequencing of transcriptomes in human brain regions: protein-coding and non-coding RNAs, isoforms and alleles. <i>BMC Genomics</i> , 2015 , 16, 990	4.5	19
58	The Making of a CYP3A Biomarker Panel for Guiding Drug Therapy. <i>Journal of Personalized Medicine</i> , 2012 , 2, 175-91	3.6	19
57	Genomic architecture of pharmacological efficacy and adverse events. <i>Pharmacogenomics</i> , 2014 , 15, 2025-48	2.6	18
56	Design and implementation of a randomized controlled trial of genomic counseling for patients with chronic disease. <i>Journal of Personalized Medicine</i> , 2014 , 4, 1-19	3.6	17
55	Regulatory polymorphisms in human DBH affect peripheral gene expression and sympathetic activity. <i>Circulation Research</i> , 2014 , 115, 1017-25	15.7	17
54	Evolutionary relationships among proteins probed by an iterative neighborhood cluster analysis (INCA). Alignment of bacteriorhodopsins with the yeast sequence YRO2. <i>Pharmaceutical Research</i> , 1997 , 14, 1533-41	4.5	17
53	Ligand-Free Estrogen Receptor (ESR1) as Master Regulator for the Expression of CYP3A4 and Other Cytochrome P450 Enzymes in the Human Liver. <i>Molecular Pharmacology</i> , 2019 , 96, 430-440	4.3	16
52	AmpliSeq transcriptome analysis of human alveolar and monocyte-derived macrophages over time in response to Mycobacterium tuberculosis infection. <i>PLoS ONE</i> , 2018 , 13, e0198221	3.7	15

51	Genomics and drugs: finding the optimal drug for the right patient. <i>Pharmaceutical Research</i> , 1998 , 15, 959-63	4.5	15
50	Elemental Ingredients in the Macrophage Cocktail: Role of ZIP8 in Host Response to <i>Mycobacterium tuberculosis</i> . <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	14
49	The epigenome, 4D nucleome and next-generation neuropsychiatric pharmacogenomics. <i>Pharmacogenomics</i> , 2015 , 16, 1649-69	2.6	14
48	DRD2/CHRNA5 interaction on prefrontal biology and physiology during working memory. <i>PLoS ONE</i> , 2014 , 9, e95997	3.7	14
47	Drug therapy and personalized health care: pharmacogenomics in perspective. <i>Pharmaceutical Research</i> , 2008 , 25, 2713-9	4.5	14
46	Gene expression profiling of brain samples from patients with Lewy body dementia. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 479, 875-880	3.4	14
45	Measuring cis-acting regulatory variants genome-wide: new insights into expression genetics and disease susceptibility. <i>Genome Medicine</i> , 2009 , 1, 116	14.4	13
44	5-Aza-2Pdeoxycytidine and depsipeptide synergistically induce expression of BIK (BCL2-interacting killer). <i>Biochemical and Biophysical Research Communications</i> , 2006 , 351, 455-61	3.4	13
43	Molecular modeling of G-protein coupled receptor kinase 2: docking and biochemical evaluation of inhibitors. <i>AAPS PharmSci</i> , 2000 , 2, E2		13
42	CYP2D6 haplotypes with enhancer single-nucleotide polymorphism rs5758550 and rs16947 (*2 allele): implications for CYP2D6 genotyping panels. <i>Pharmacogenetics and Genomics</i> , 2019 , 29, 39-47	1.9	13
41	Non-linear interactions between candidate genes of myocardial infarction revealed in mRNA expression profiles. <i>BMC Genomics</i> , 2016 , 17, 738	4.5	11
40	6beta-naltrexol preferentially antagonizes opioid effects on gastrointestinal transit compared to antinociception in mice. <i>Life Sciences</i> , 2009 , 85, 413-20	6.8	10
39	Intronic SNP in ESR1 encoding human estrogen receptor alpha is associated with brain ESR1 mRNA isoform expression and behavioral traits. <i>PLoS ONE</i> , 2017 , 12, e0179020	3.7	10
38	Allele-Selective Transcriptome Recruitment to Polysomes Primed for Translation: Protein-Coding and Noncoding RNAs, and RNA Isoforms. <i>PLoS ONE</i> , 2015 , 10, e0136798	3.7	9
37	Pharmacogenomic biomarkers: validation needed for both the molecular genetic mechanism and clinical effect. <i>Pharmacogenomics</i> , 2011 , 12, 675-80	2.6	9
36	Gene-gene-environment interactions between drugs, transporters, receptors, and metabolizing enzymes: Statins, SLCO1B1, and CYP3A4 as an example. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 2924-9	3.9	8
35	Combined genetic influence of the nicotinic receptor gene cluster CHRNA5/A3/B4 on nicotine dependence. <i>BMC Genomics</i> , 2018 , 19, 826	4.5	8
34	Regulatory Variants Modulate Protein Kinase C α (PRKCA) Gene Expression in Human Heart. <i>Pharmaceutical Research</i> , 2017 , 34, 1648-1657	4.5	7

33	Human Bacterial Artificial Chromosome (BAC) Transgenesis Fully Rescues Noradrenergic Function in Dopamine β -Hydroxylase Knockout Mice. <i>PLoS ONE</i> , 2016 , 11, e0154864	3.7	7
32	Testing genetic modifiers of behavior and response to atomoxetine in autism spectrum disorder with ADHD. <i>Journal of Developmental and Physical Disabilities</i> , 2018 , 30, 355-371	1.5	6
31	Preferential Delivery of an Opioid Antagonist to the Fetal Brain in Pregnant Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 358, 22-30	4.7	6
30	Alpha-synuclein mRNA isoform formation and translation affected by polymorphism in the human SNCA 3RTR. <i>Molecular Genetics & Genomic Medicine</i> , 2018 , 6, 565	2.3	6
29	Pharmacogenomics: harbinger for the era of personalized medicine?. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2005 , 5, 140-3		6
28	Interactions Between Regulatory Variants in CYP7A1 (Cholesterol 7 β -Hydroxylase) Promoter and Enhancer Regions Regulate CYP7A1 Expression. <i>Circulation Genomic and Precision Medicine</i> , 2018 , 11, e002082	5.2	6
27	Analyzing allele specific RNA expression using mixture models. <i>BMC Genomics</i> , 2015 , 16, 566	4.5	5
26	Whole Transcriptome Profiling: An RNA-Seq Primer and Implications for Pharmacogenomics Research. <i>Clinical and Translational Science</i> , 2018 , 11, 153-161	4.9	5
25	Expression of mRNA transcripts encoding membrane transporters detected with whole transcriptome sequencing of human brain and liver. <i>Pharmacogenetics and Genomics</i> , 2013 , 23, 269-78	1.9	5
24	Whole Transcriptome Sequencing Analyses Reveal Molecular Markers of Blood Pressure Response to Thiazide Diuretics. <i>Scientific Reports</i> , 2017 , 7, 16068	4.9	4
23	The re-emerging concept of personalized healthcare. <i>Personalized Medicine</i> , 2008 , 5, 457-469	2.2	4
22	Biased Opioid Antagonists as Modulators of Opioid Dependence: Opportunities to Improve Pain Therapy and Opioid Use Management. <i>Molecules</i> , 2020 , 25,	4.8	4
21	Blood pressure signature genes and blood pressure response to thiazide diuretics: results from the PEAR and PEAR-2 studies. <i>BMC Medical Genomics</i> , 2018 , 11, 55	3.7	4
20	Significant association of DRD2 enhancer variant rs12364283 with heroin addiction in a Pakistani population. <i>Annals of Human Genetics</i> , 2019 , 83, 367-372	2.2	3
19	Association of Genetic Polymorphisms in the Beta-1 Adrenergic Receptor with Recovery of Left Ventricular Ejection Fraction in Patients with Heart Failure. <i>Journal of Cardiovascular Translational Research</i> , 2019 , 12, 280-289	3.3	3
18	Network analysis using transitive closure: New methods for exploring networks. <i>Journal of Statistical Computation and Simulation</i> , 2006 , 76, 539-551	0.9	2
17	Pharmacological prevention of neonatal opioid withdrawal in a pregnant guinea pig model		2
16	Functional CYP3A variants affecting tacrolimus trough blood concentrations in Chinese renal transplant recipients. <i>Pharmacogenomics Journal</i> , 2021 , 21, 376-389	3.5	2

15	Association of Polymorphism With Overall Survival in Adult Patients With Hematologic Malignancies After Allogeneic Hematopoietic Stem Cell Transplantation. <i>Anticancer Research</i> , 2020 , 40, 5707-5713	2.3	1
14	Bridging material and biological sciences: the legacy of Hans Peter Merkle. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 85, 3-4	5.7	1
13	Cladograms with Path to Event (ClAPTE): a novel algorithm to detect associations between genotypes or phenotypes using phylogenies. <i>Computers in Biology and Medicine</i> , 2015 , 58, 1-13	7	1
12	Pharmacological Prevention of Neonatal Opioid Withdrawal in a Pregnant Guinea Pig Model. <i>Frontiers in Pharmacology</i> , 2020 , 11, 613328	5.6	1
11	Challenges of Immune Response Diversity in the Human Population Concerning New Tuberculosis Diagnostics, Therapies, and Vaccines. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 139	5.9	0
10	Conditional entropy in variation-adjusted windows detects selection signatures associated with expression quantitative trait loci (eQTLs). <i>BMC Genomics</i> , 2015 , 16 Suppl 8, S8	4.5	0
9	Interpreting coronary artery disease GWAS results: A functional genomics approach assessing biological significance.. <i>PLoS ONE</i> , 2022 , 17, e0244904	3.7	0
8	Nicotine Dependence and the CHRNA5/CHRNA3/CHRN4 Nicotinic Receptor Regulome 2019 , 347-353		
7	Response to paper by Kelly et al "The opioid receptor pharmacology of GSK1521498 compared to other ligands with different effects on compulsive reward-related behaviors" published in <i>Psychopharmacology</i> 232, 305-314, 2014. <i>Psychopharmacology</i> , 2015 , 232, 1493-4	4.7	
6	Allelic mRNA expression of sortilin-1 (SORL1) mRNA in Alzheimer β autopsy brain tissues. <i>Neuroscience Letters</i> , 2008 , 448, 120-4	3.3	
5	Chemogenomics of Sensitivity and Resistance to Anticancer Drugs. <i>Current Pharmacogenomics and Personalized Medicine: the International Journal for Expert Reviews in Pharmacogenomics</i> , 2007 , 5, 11-19		
4	How specific are "target-specific" drugs? Celecoxib as a case in point. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2006 , 6, 196-8		
3	CYP2D6 expression is regulated by polymorphisms that affect splicing and transcription: new biomarkers for CYP2D6 activity. <i>FASEB Journal</i> , 2013 , 27, 663.6	0.9	
2	Association of Regulatory Genetic Variants for Protein Kinase C β with Mortality and Drug Efficacy in Patients with Heart Failure. <i>Cardiovascular Drugs and Therapy</i> , 2019 , 33, 693-700	3.9	
1	Drug Abuse in Pakistan 2022 , 1-22		