

Susan P C Cole

List of Publications by Year in descending order

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187
papers

17,666
citations

19636

61
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14197

128
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188
all docs

188
docs citations

188
times ranked

10394
citing authors

#	ARTICLE	IF	CITATIONS
1	Overexpression of a transporter gene in a multidrug-resistant human lung cancer cell line. <i>Science</i> , 1992, 258, 1650-1654.	6.0	2,946
2	Multidrug resistance proteins: role of P-glycoprotein, MRP1, MRP2, and BCRP (ABCG2) in tissue defense. <i>Toxicology and Applied Pharmacology</i> , 2005, 204, 216-237.	1.3	1,222
3	Transmembrane Transport of Endo- and Xenobiotics by Mammalian ATP-Binding Cassette Multidrug Resistance Proteins. <i>Physiological Reviews</i> , 2006, 86, 849-899.	13.1	679
4	(Section A: Molecular, Structural, and Cellular Biology of Drug Transporters) The MRP-Related and BCRP / ABCG2 Multidrug Resistance Proteins: Biology, Substrate Specificity and Regulation. <i>Current Drug Metabolism</i> , 2004, 5, 21-53.	0.7	469
5	Multidrug Resistance Protein (MRP)-mediated Transport of Leukotriene C4 and Chemotherapeutic Agents in Membrane Vesicles. <i>Journal of Biological Chemistry</i> , 1996, 271, 9675-9682.	1.6	443
6	Toxicological relevance of the multidrug resistance protein 1, MRP1 (ABCC1) and related transporters. <i>Toxicology</i> , 2001, 167, 3-23.	2.0	364
7	Structural, mechanistic and clinical aspects of MRP1. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1461, 359-376.	1.4	350
8	Biology of the multidrug resistance-associated protein, MRP. <i>European Journal of Cancer</i> , 1996, 32, 945-957.	1.3	341
9	Transport of glutathione and glutathione conjugates by MRP1. <i>Trends in Pharmacological Sciences</i> , 2006, 27, 438-446.	4.0	313
10	Multidrug resistance mediated by the ATP-binding cassette transporter protein MRP. <i>BioEssays</i> , 1998, 20, 931-940.	1.2	305
11	ATP-dependent glutathione disulphide transport mediated by the <i>MRP</i> gene-encoded conjugate export pump. <i>Biochemical Journal</i> , 1996, 314, 433-437.	1.7	272
12	Targeting Multidrug Resistance Protein 1 (MRP1, <i>ABCC1</i>): Past, Present, and Future. <i>Annual Review of Pharmacology and Toxicology</i> , 2014, 54, 95-117.	4.2	267
13	Multidrug Resistance Protein 1 (MRP1, ABCC1), a "Multitasking" ATP-binding Cassette (ABC) Transporter. <i>Journal of Biological Chemistry</i> , 2014, 289, 30880-30888.	1.6	265
14	Rapid chemosensitivity testing of human lung tumor cells using the MTT assay. <i>Cancer Chemotherapy and Pharmacology</i> , 1986, 17, 259-63.	1.1	262
15	Substrate recognition and transport by multidrug resistance protein 1 (ABCC1). <i>FEBS Letters</i> , 2006, 580, 1103-1111.	1.3	237
16	Modulation of Multidrug Resistance Protein 1 (MRP1/ABCC1) Transport and ATPase Activities by Interaction with Dietary Flavonoids. <i>Molecular Pharmacology</i> , 2001, 59, 1171-1180.	1.0	228
17	Multidrug resistance mediated by the multidrug resistance protein (MRP) gene. <i>Biochemical Pharmacology</i> , 1996, 52, 967-977.	2.0	227
18	ATP-dependent ¹⁷ β-Estradiol 17-(β-D-Glucuronide) Transport by Multidrug Resistance Protein (MRP). <i>Journal of Biological Chemistry</i> , 1996, 271, 9683-9689.	1.6	224

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19	ATP-Dependent Transport of Aflatoxin B1 and Its Glutathione Conjugates by the Product of the Multidrug Resistance Protein (MRP) Gene. <i>Molecular Pharmacology</i> , 1997, 51, 1034-1041.	1.0	193
20	CFTR directly mediates nucleotide-regulated glutathione flux. <i>EMBO Journal</i> , 2003, 22, 1981-1989.	3.5	193
21	Membrane Topology of the Multidrug Resistance Protein (MRP). <i>Journal of Biological Chemistry</i> , 1997, 272, 23623-23630.	1.6	189
22	Mammalian multidrug-resistance proteins (MRPs). <i>Essays in Biochemistry</i> , 2011, 50, 179-207.	2.1	184
23	Comparison of the Functional Characteristics of the Nucleotide Binding Domains of Multidrug Resistance Protein 1. <i>Journal of Biological Chemistry</i> , 2000, 275, 13098-13108.	1.6	158
24	Glutathione Stimulates Sulfated Estrogen Transport by Multidrug Resistance Protein 1. <i>Journal of Biological Chemistry</i> , 2001, 276, 6404-6411.	1.6	150
25	Transport of the $\hat{1}^2$ -O-Glucuronide Conjugate of the Tobacco-specific Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) by the Multidrug Resistance Protein 1 (MRP1). <i>Journal of Biological Chemistry</i> , 2001, 276, 27846-27854.	1.6	147
26	A Review of the Structure, Preparation, and Application of NLCs, PNPs, and PLNs. <i>Nanomaterials</i> , 2017, 7, 122.	1.9	147
27	A Genome-wide Haploid Genetic Screen Identifies Regulators of Glutathione Abundance and Ferroptosis Sensitivity. <i>Cell Reports</i> , 2019, 26, 1544-1556.e8.	2.9	146
28	Function, evolution and structure of multidrug resistance protein (MRP). <i>Seminars in Cancer Biology</i> , 1997, 8, 193-204.	4.3	144
29	The Structure of the Multidrug Resistance Protein 1 (MRP1/ABCC1). <i>Journal of Biological Chemistry</i> , 2001, 276, 16076-16082.	1.6	141
30	Mutation of a Single Conserved Tryptophan in Multidrug Resistance Protein 1 (MRP1/ABCC1) Results in Loss of Drug Resistance and Selective Loss of Organic Anion Transport. <i>Journal of Biological Chemistry</i> , 2001, 276, 15616-15624.	1.6	138
31	Pharmacological Characterization of the Murine and Human Orthologs of Multidrug-Resistance Protein in Transfected Human Embryonic Kidney Cells. <i>Molecular Pharmacology</i> , 1997, 52, 344-353.	1.0	127
32	Bioflavonoid Stimulation of Glutathione Transport by the 190-kDa Multidrug Resistance Protein 1 (MRP1). <i>Drug Metabolism and Disposition</i> , 2003, 31, 11-15.	1.7	125
33	Reconstitution of ATP-dependent Leukotriene C4 Transport by Co-expression of Both Half-molecules of Human Multidrug Resistance Protein in Insect Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 27782-27787.	1.6	124
34	Use of the mtt assay for rapid determination of chemosensitivity of human leukemic blast cells. <i>Leukemia Research</i> , 1988, 12, 823-831.	0.4	123
35	Chemosensitivity testing of small cell lung cancer using the MTT assay. <i>British Journal of Cancer</i> , 1991, 63, 75-83.	2.9	116
36	A naturally occurring mutation in MRP1 results in a selective decrease in organic anion transport and in increased doxorubicin resistance. <i>Pharmacogenetics and Genomics</i> , 2002, 12, 321-330.	5.7	112

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37	Mutation of Trp1254 in the Multispecific Organic Anion Transporter, Multidrug Resistance Protein 2 (MRP2) (ABCC2), Alters Substrate Specificity and Results in Loss of Methotrexate Transport Activity. <i>Journal of Biological Chemistry</i> , 2001, 276, 38108-38114.	1.6	111
38	Deletion of gene for multidrug resistance in acute myeloid leukaemia with inversion in chromosome 16: prognostic implications. <i>Lancet, The</i> , 1994, 343, 1531-1534.	6.3	104
39	Synthesis, Characterization, and Assessment of Cytotoxic Properties of a Series of Titanocene Dichloride Derivatives. <i>Organometallics</i> , 2004, 23, 4486-4494.	1.1	100
40	Effect of calcium antagonists on the chemosensitivity of two multidrug-resistant human tumour cell lines which do not overexpress P-glycoprotein. <i>British Journal of Cancer</i> , 1989, 59, 42-46.	2.9	94
41	Identification of human multidrug resistance protein 1 (MRP1) mutations and characterization of a G671V substitution. <i>Journal of Human Genetics</i> , 2001, 46, 656-663.	1.1	91
42	ATPase activity of purified and reconstituted multidrug resistance protein MRP1 from drug-selected H69AR cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1461, 69-82.	1.4	89
43	Elevated expression of Annexin II (Lipocortin II, p36) in a multidrug resistant small cell lung cancer cell line. <i>British Journal of Cancer</i> , 1992, 65, 498-502.	2.9	85
44	Analysis of the Intron-Exon Organization of the Human Multidrug-Resistance Protein Gene (MRP) and Alternative Splicing of Its mRNA. <i>Genomics</i> , 1997, 45, 368-378.	1.3	85
45	Prostaglandin signalling regulates ciliogenesis by modulating intraflagellar transport. <i>Nature Cell Biology</i> , 2014, 16, 841-851.	4.6	84
46	Expression of multidrug resistance protein gene in patients with glioma after chemotherapy. <i>Journal of Neuro-Oncology</i> , 1998, 40, 11-18.	1.4	83
47	Functional Reconstitution of Substrate Transport by Purified Multidrug Resistance Protein MRP1 (ABCC1) in Phospholipid Vesicles. <i>Journal of Biological Chemistry</i> , 2000, 275, 34166-34172.	1.6	83
48	Multidrug Resistance Protein. <i>Journal of Biological Chemistry</i> , 1998, 273, 10733-10740.	1.6	81
49	Identification of an Amino Acid Residue in Multidrug Resistance Protein 1 Critical for Conferring Resistance to Anthracyclines. <i>Journal of Biological Chemistry</i> , 2001, 276, 13231-13239.	1.6	80
50	Reduction of expression of the multidrug resistance protein (MRP) in human tumor cells by antisense phosphorothioate oligonucleotides. <i>Biochemical Pharmacology</i> , 1996, 51, 461-469.	2.0	78
51	Polymorphisms of MRP1 (ABCC1) and related ATP-dependent drug transporters. <i>Pharmacogenetics and Genomics</i> , 2005, 15, 523-533.	0.7	78
52	Functional characterization of non-synonymous single nucleotide polymorphisms in the gene encoding human multidrug resistance protein 1 (MRP1/ABCC1). <i>Pharmacogenetics and Genomics</i> , 2005, 15, 647-657.	0.7	77
53	Functional and Structural Consequences of Cysteine Substitutions in the NH2Proximal Region of the Human Multidrug Resistance Protein 1 (MRP1/ABCC1). <i>Biochemistry</i> , 2003, 42, 5214-5224.	1.2	73
54	Role of Carboxylate Residues Adjacent to the Conserved Core Walker B Motifs in the Catalytic Cycle of Multidrug Resistance Protein 1 (ABCC1). <i>Journal of Biological Chemistry</i> , 2003, 278, 38537-38547.	1.6	72

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55	Monoclonal Antibodies That Inhibit the Transport Function of the 190-kDa Multidrug Resistance Protein, MRP. <i>Journal of Biological Chemistry</i> , 1999, 274, 15420-15426.	1.6	71
56	Mutations of Charged Amino Acids in or near the Transmembrane Helices of the Second Membrane Spanning Domain Differentially Affect the Substrate Specificity and Transport Activity of the Multidrug Resistance Protein MRP1 (ABCC1). <i>Molecular Pharmacology</i> , 2004, 65, 1375-1385.	1.0	71
57	Role of the NH2-terminal Membrane Spanning Domain of Multidrug Resistance Protein 1/ABCC1 in Protein Processing and Trafficking. <i>Molecular Biology of the Cell</i> , 2005, 16, 2483-2492.	0.9	71
58	Molecular modeling of the human multidrug resistance protein 1 (MRP1/ABCC1). <i>Biochemical and Biophysical Research Communications</i> , 2008, 365, 29-34.	1.0	70
59	Epitope mapping of monoclonal antibodies specific for the 190-kDa multidrug resistance protein (MRP). <i>British Journal of Cancer</i> , 1998, 78, 1134-1140.	2.9	69
60	Charged Amino Acids in the Sixth Transmembrane Helix of Multidrug Resistance Protein 1 (MRP1/ABCC1) Are Critical Determinants of Transport Activity. <i>Journal of Biological Chemistry</i> , 2002, 277, 41326-41333.	1.6	65
61	Clinical Significance of Multi-Drug Resistance Associated Protein and P-Glycoprotein in Patients with Bladder Cancer. <i>Journal of Urology</i> , 1997, 157, 1260-1265.	0.2	64
62	Identification of Proline Residues in the Core Cytoplasmic and Transmembrane Regions of Multidrug Resistance Protein 1 (MRP1/ABCC1) Important for Transport Function, Substrate Specificity, and Nucleotide Interactions. <i>Journal of Biological Chemistry</i> , 2004, 279, 12325-12336.	1.6	63
63	Identification of a Nonconserved Amino Acid Residue in Multidrug Resistance Protein 1 Important for Determining Substrate Specificity. <i>Journal of Biological Chemistry</i> , 2001, 276, 34966-34974.	1.6	60
64	Molecular Modeling Correctly Predicts the Functional Importance of Phe594 in Transmembrane Helix 11 of the Multidrug Resistance Protein, MRP1 (ABCC1). <i>Journal of Biological Chemistry</i> , 2004, 279, 463-468.	1.6	60
65	Structural organization of the human TOP2A and TOP2B genes. <i>Gene</i> , 1998, 221, 255-266.	1.0	56
66	Structure-Activity Studies of Verapamil Analogs That Modulate Transport of Leukotriene C4 and Reduced Glutathione by Multidrug Resistance Protein MRP1. <i>Biochemical and Biophysical Research Communications</i> , 2000, 275, 795-803.	1.0	56
67	Characterization of Binding of Leukotriene C4 by Human Multidrug Resistance Protein 1. <i>Journal of Biological Chemistry</i> , 2001, 276, 38636-38644.	1.6	56
68	Identification of DNA-Protein Interactions in the 5' Flanking and 5' Untranslated Regions of the Human Multidrug Resistance Protein (MRP1) Gene: Evaluation of a Putative Antioxidant Response Element/AP-1 Binding Site. <i>Biochemical and Biophysical Research Communications</i> , 2001, 285, 981-990.	1.0	55
69	Applications of nanoparticle drug delivery systems for the reversal of multidrug resistance in cancer. <i>Oncology Letters</i> , 2016, 12, 11-15.	0.8	54
70	Bipartite Nuclear Localization Signals in the C Terminus of Human Topoisomerase II α . <i>Experimental Cell Research</i> , 1997, 237, 452-455.	1.2	53
71	High-throughput screening identifies Ceefourin 1 and Ceefourin 2 as highly selective inhibitors of multidrug resistance protein 4 (MRP4). <i>Biochemical Pharmacology</i> , 2014, 91, 97-108.	2.0	53
72	Localization of a Substrate Specificity Domain in the Multidrug Resistance Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 22877-22883.	1.6	52

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73	GSH-dependent Photolabeling of Multidrug Resistance Protein MRP1 (ABCC1) by [125I]LY475776. <i>Journal of Biological Chemistry</i> , 2002, 277, 28690-28699.	1.6	52
74	Mechanism of RPE Cell Death in $\hat{1}\pm$ -Crystallin Deficient Mice: A Novel and Critical Role for MRP1-Mediated GSH Efflux. <i>PLoS ONE</i> , 2012, 7, e33420.	1.1	52
75	The 1991 Merck Frosst Award. Multidrug resistance in small cell lung cancer. <i>Canadian Journal of Physiology and Pharmacology</i> , 1992, 70, 313-329.	0.7	51
76	Identification of Regions Required for Apical Membrane Localization of Human Multidrug Resistance Protein 2. <i>Molecular Pharmacology</i> , 2008, 74, 9-19.	1.0	51
77	Structural Requirements for Functional Interaction of Glutathione Tripeptide Analogs with the Human Multidrug Resistance Protein 1 (MRP1). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 304, 643-653.	1.3	50
78	Role of GSH in Estrone Sulfate Binding and Translocation by the Multidrug Resistance Protein 1 (MRP1/ABCC1). <i>Journal of Biological Chemistry</i> , 2006, 281, 13906-13914.	1.6	50
79	Evidence that the MYCN oncogene regulates MRP gene expression in neuroblastoma. <i>European Journal of Cancer</i> , 1997, 33, 1911-1916.	1.3	48
80	Identification of the Structural and Functional Boundaries of the Multidrug Resistance Protein 1 Cytoplasmic Loop 3. <i>Biochemistry</i> , 2003, 42, 14099-14113.	1.2	48
81	Human monoclonal antibodies. <i>Molecular and Cellular Biochemistry</i> , 1984, 62, 109-20.	1.4	47
82	Patterns of cross-resistance in a multidrug-resistant small-cell lung carcinoma cell line. <i>Cancer Chemotherapy and Pharmacology</i> , 1990, 26, 250-256.	1.1	45
83	Multiple Membrane-associated Tryptophan Residues Contribute to the Transport Activity and Substrate Specificity of the Human Multidrug Resistance Protein, MRP1. <i>Journal of Biological Chemistry</i> , 2002, 277, 49495-49503.	1.6	45
84	Functional Importance of Polar and Charged Amino Acid Residues in Transmembrane Helix 14 of Multidrug Resistance Protein 1 (MRP1/ABCC1). <i>Journal of Biological Chemistry</i> , 2003, 278, 46052-46063.	1.6	45
85	Involvement of NHERF1 in apical membrane localization of MRP4 in polarized kidney cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 60-64.	1.0	44
86	Determinants of the Substrate Specificity of Multidrug Resistance Protein 1. <i>Journal of Biological Chemistry</i> , 2002, 277, 20934-20941.	1.6	43
87	Sequence Determinants of Nuclear Localization in the $\hat{1}\pm$ and $\hat{1}^2$ Isoforms of Human Topoisomerase II. <i>Experimental Cell Research</i> , 1999, 251, 329-339.	1.2	42
88	Photolabeling of Human and Murine Multidrug Resistance Protein 1 with the High Affinity Inhibitor [125I]LY475776 and Azidophenacyl-[35S]Glutathione. <i>Journal of Biological Chemistry</i> , 2002, 277, 35225-35231.	1.6	42
89	Down-regulation of Na ⁺ /H ⁺ Exchanger Regulatory Factor 1 Increases Expression and Function of Multidrug Resistance Protein 4. <i>Cancer Research</i> , 2008, 68, 4802-4809.	0.4	42
90	Subcellular Localization Analysis of the Closely Related Fps/Fes and Fer Protein-Tyrosine Kinases Suggests a Distinct Role for Fps/Fes in Vesicular Trafficking. <i>Experimental Cell Research</i> , 2001, 266, 87-94.	1.2	41

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91	Mutational Analysis of Ionizable Residues Proximal to the Cytoplasmic Interface of Membrane Spanning Domain 3 of the Multidrug Resistance Protein, MRP1 (ABCC1). <i>Journal of Biological Chemistry</i> , 2004, 279, 38871-38880.	1.6	41
92	Functional Importance of Three Basic Residues Clustered at the Cytosolic Interface of Transmembrane Helix 15 in the Multidrug and Organic Anion Transporter MRP1 (ABCC1). <i>Journal of Biological Chemistry</i> , 2006, 281, 43-50.	1.6	40
93	Structural Determinants of Substrate Specificity Differences between Human Multidrug Resistance Protein (MRP) 1 (ABCC1) and MRP3 (ABCC3). <i>Drug Metabolism and Disposition</i> , 2008, 36, 2571-2581.	1.7	40
94	Molecular Basis for Reduced Estrone Sulfate Transport and Altered Modulator Sensitivity of Transmembrane Helix (TM) 6 and TM17 Mutants of Multidrug Resistance Protein 1 (ABCC1). <i>Drug Metabolism and Disposition</i> , 2009, 37, 1411-1420.	1.7	40
95	A multidrug-resistance protein (MRP)-like transmembrane pump is highly expressed by resting murine T helper (Th) 2, but not Th1 cells, and is induced to equal expression levels in Th1 and Th2 cells after antigenic stimulation in vivo.. <i>Journal of Clinical Investigation</i> , 1998, 101, 703-710.	3.9	40
96	Chalcogenopyrylium Compounds as Modulators of the ATP-Binding Cassette Transporters P-Glycoprotein (P-gp) (ABCB1) and Multidrug Resistance Protein 1 (MRP1) (ABCC1). <i>Journal of Medicinal Chemistry</i> , 2012, 55, 4683-4699.	2.9	39
97	Non-P-glycoprotein-mediated multidrug-resistant human KB cells selected in medium containing adriamycin, cepharanthine, and mezerein. <i>Somatic Cell and Molecular Genetics</i> , 1994, 20, 423-435.	0.7	38
98	The Multidrug Resistance Protein 1: A Functionally Important Activation Marker for Murine Th1 Cells. <i>Journal of Immunology</i> , 2000, 164, 754-761.	0.4	38
99	[12] The EBV-hybridoma technique. <i>Methods in Enzymology</i> , 1986, 121, 140-167.	0.4	37
100	Differential inhibition of hepatic ferrochelatase by the isomers of N-ethylprotoporphyrin IX. <i>Biochemical and Biophysical Research Communications</i> , 1981, 103, 581-586.	1.0	35
101	MRP1 Polymorphisms Associated With Citalopram Response in Patients With Major Depression. <i>Journal of Clinical Psychopharmacology</i> , 2010, 30, 116-125.	0.7	35
102	Cellular and karyotypic characterization of two doxorubicin resistant cell lines isolated from the same parental human leukemia cell line. <i>International Journal of Cancer</i> , 1994, 57, 522-528.	2.3	34
103	Functional Expression of the Multidrug Resistance-associated Protein in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 4154-4160.	1.6	34
104	A new series of titanocene dichloride derivatives bearing cyclic alkylammonium groups: Assessment of their cytotoxic properties. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 3508-3518.	0.8	34
105	Inhibition of hepatic ferrochelatase by the four isomers of N-methylprotoporphyrin IX. <i>Biochemical and Biophysical Research Communications</i> , 1980, 97, 1436-1442.	1.0	33
106	Characterization of the Role of Polar Amino Acid Residues within Predicted Transmembrane Helix 17 in Determining the Substrate Specificity of Multidrug Resistance Protein 3. <i>Biochemistry</i> , 2003, 42, 9989-10000.	1.2	33
107	Functional expression of the human breast cancer resistance protein in <i>Pichia pastoris</i> . <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 730-737.	1.0	33
108	Modulation of Human Multidrug Resistance Protein (MRP) 1 (ABCC1) and MRP2 (ABCC2) Transport Activities by Endogenous and Exogenous Glutathione-Conjugated Catechol Metabolites. <i>Drug Metabolism and Disposition</i> , 2008, 36, 552-560.	1.7	33

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109	Polymorphic variants of MRP4/ABCC4 differentially modulate the transport of methylated arsenic metabolites and physiological organic anions. <i>Biochemical Pharmacology</i> , 2016, 120, 72-82.	2.0	32
110	Do glutathione and related enzymes play a role in drug resistance in small cell lung cancer cell lines?. <i>British Journal of Cancer</i> , 1993, 68, 327-335.	2.9	31
111	Ferrochelatase and N-alkylated porphyrins. <i>Molecular and Cellular Biochemistry</i> , 1984, 64, 127-37.	1.4	30
112	Establishment of a human large cell lung tumor line (QU-DB) with metastatic properties in athymic mice. <i>Cancer</i> , 1986, 58, 917-923.	2.0	30
113	Two COOH-Terminal Truncated Cytoplasmic Forms of Topoisomerase II β in a VP-16-Selected Lung Cancer Cell Line Result from Partial Gene Deletion and Alternative Splicing. <i>Biochemistry</i> , 1997, 36, 5868-5877.	1.2	30
114	Transmembrane Helix 11 of Multidrug Resistance Protein 1 (MRP1/ABCC1): Identification of Polar Amino Acids Important for Substrate Specificity and Binding of ATP at Nucleotide Binding Domain 1. <i>Biochemistry</i> , 2004, 43, 9413-9425.	1.2	30
115	Drug-induced porphyrin biosynthesis. <i>Biochemical Pharmacology</i> , 1979, 28, 3533-3538.	2.0	29
116	MOLECULAR CLONING AND PHARMACOLOGICAL CHARACTERIZATION OF RAT MULTIDRUG RESISTANCE PROTEIN 1 (MRP1). <i>Drug Metabolism and Disposition</i> , 2003, 31, 1016-1026.	1.7	29
117	Role of two adjacent cytoplasmic tyrosine residues in MRP1 (ABCC1) transport activity and sensitivity to sulfonylureas. <i>Biochemical Pharmacology</i> , 2005, 69, 451-461.	2.0	29
118	Expression and Function of Human MRP1 (ABCC1) Is Dependent on Amino Acids in Cytoplasmic Loop 5 and Its Interface with Nucleotide Binding Domain 2. <i>Journal of Biological Chemistry</i> , 2011, 286, 7202-7213.	1.6	29
119	MRP1 modulators synergize with buthionine sulfoximine to exploit collateral sensitivity and selectively kill MRP1-expressing cancer cells. <i>Biochemical Pharmacology</i> , 2019, 168, 237-248.	2.0	29
120	Structure of a human multidrug transporter in an inward-facing conformation. <i>Journal of Structural Biology</i> , 2010, 170, 540-547.	1.3	28
121	Reduced levels of topoisomerase II α and II β in a multidrug-resistant lung-cancer cell line. <i>Cancer Chemotherapy and Pharmacology</i> , 1994, 34, 242-248.	1.1	27
122	Analysis of Human Multidrug Resistance Protein 1 (ABCC1) by Matrix-Assisted Laser Desorption Ionization/Time of Flight Mass Spectrometry: Toward Identification of Leukotriene C4 Binding Sites. <i>Molecular Pharmacology</i> , 2005, 68, 1455-1465.	1.0	27
123	Nuclear interactions of topoisomerase II α and II β with phospholipid scramblase 1. <i>Nucleic Acids Research</i> , 2007, 35, 4076-4085.	6.5	27
124	Mechanistic Differences between GSH Transport by Multidrug Resistance Protein 1 (MRP1/ABCC1) and GSH Modulation of MRP1-Mediated Transport. <i>Molecular Pharmacology</i> , 2008, 74, 1630-1640.	1.0	27
125	Mutation of Glu521 or Glu535 in Cytoplasmic Loop 5 Causes Differential Misfolding in Multiple Domains of Multidrug and Organic Anion Transporter MRP1 (ABCC1). <i>Journal of Biological Chemistry</i> , 2012, 287, 7543-7555.	1.6	27
126	Cellular toxicities of new titanocene dichloride derivatives containing pendant cyclic alkylammonium groups. <i>Inorganic Chemistry Communication</i> , 2006, 9, 1114-1116.	1.8	26

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127	Na ⁺ /H ⁺ Exchanger Regulatory Factor 3 Is Critical for Multidrug Resistance Protein 4-Mediated Drug Efflux in the Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 726-736.	3.0	26
128	Multidrug Resistance Associated with Overexpression of MRP. <i>Cancer Treatment and Research</i> , 1996, 87, 39-62.	0.2	26
129	Characterization of the human topoisomerase II ^β (TOP2B) promoter activity: essential roles of the nuclear factor- κ B (NF- κ B)- and specificity protein-1 (Sp1)-binding sites. <i>Biochemical Journal</i> , 2002, 368, 741-751.	1.7	25
130	Identification of functional nuclear export sequences in human topoisomerase II α and II β . <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 905-911.	1.0	25
131	Cloning and Characterization of the Murine and Rat mrp1 Promoter Regions. <i>Molecular Pharmacology</i> , 2003, 64, 1259-1269.	1.0	25
132	Functional Interactions Between Nucleotide Binding Domains and Leukotriene C4 Binding Sites of Multidrug Resistance Protein 1 (ABCC1). <i>Molecular Pharmacology</i> , 2005, 67, 1944-1953.	1.0	25
133	Synthesis and cytotoxic evaluation of some styryl ketones and related compounds. <i>European Journal of Medicinal Chemistry</i> , 1995, 30, 209-217.	2.6	24
134	MUTATIONAL ANALYSIS OF POLAR AMINO ACID RESIDUES WITHIN PREDICTED TRANSMEMBRANE HELICES 10 AND 16 OF MULTIDRUG RESISTANCE PROTEIN 1 (ABCC1): EFFECT ON SUBSTRATE SPECIFICITY. <i>Drug Metabolism and Disposition</i> , 2006, 34, 539-546.	1.7	24
135	Multiple Roles of Charged Amino Acids in Cytoplasmic Loop 7 for Expression and Function of the Multidrug and Organic Anion Transporter MRP1 (ABCC1). <i>Molecular Pharmacology</i> , 2009, 75, 397-406.	1.0	24
136	Multidrug resistance genes (MRP) and MDR1 expression in small cell lung cancer xenografts: relationship with response to chemotherapy. <i>Cancer Letters</i> , 1998, 130, 133-141.	3.2	23
137	Substitution of Trp1242 of TM17 alters substrate specificity of human multidrug resistance protein 3. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 284, G280-G289.	1.6	23
138	ABCC1 G2012T single nucleotide polymorphism is associated with patient outcome in primary neuroblastoma and altered stability of the ABCC1 gene transcript. <i>Pharmacogenetics and Genomics</i> , 2011, 21, 270-279.	0.7	23
139	Residues Responsible for the Asymmetric Function of the Nucleotide Binding Domains of Multidrug Resistance Protein 1. <i>Biochemistry</i> , 2008, 47, 13952-13965.	1.2	22
140	Two Polymorphic Variants of ABCC1 Selectively Alter Drug Resistance and Inhibitor Sensitivity of the Multidrug and Organic Anion Transporter Multidrug Resistance Protein 1. <i>Drug Metabolism and Disposition</i> , 2013, 41, 2187-2196.	1.7	22
141	Limited modulation of the transport activity of the human multidrug resistance proteins MRP1, MRP2 and MRP3 by nicotine glucuronide metabolites. <i>Toxicology Letters</i> , 2005, 157, 9-19.	0.4	21
142	Arsenic Trigluthathione [As(GS) ₃] Transport by Multidrug Resistance Protein 1 (MRP1/ABCC1) Is Selectively Modified by Phosphorylation of Tyr920/Ser921 and Glycosylation of Asn19/Asn23. <i>Molecular Pharmacology</i> , 2016, 90, 127-139.	1.0	21
143	Cysteinyl Leukotriene Receptor 1/2 Antagonists Nonselectively Modulate Organic Anion Transport by Multidrug Resistance Proteins (MRP1-4). <i>Drug Metabolism and Disposition</i> , 2016, 44, 857-866.	1.7	21
144	Preparation of psoralen polymer-lipid hybrid nanoparticles and their reversal of multidrug resistance in MCF-7/ADR cells. <i>Drug Delivery</i> , 2018, 25, 1044-1054.	2.5	21

#	ARTICLE	IF	CITATIONS
145	Structure-guided probing of the leukotriene C ₄ binding site in human multidrug resistance protein 1 (MRP1; ABCC1). <i>FASEB Journal</i> , 2019, 33, 10692-10704.	0.2	21
146	Retrovirus-Mediated Gene Transfer of the Human Multidrug Resistance-Associated Protein into Hematopoietic Cells Protects Mice from Chemotherapy-Induced Leukopenia. <i>Human Gene Therapy</i> , 1999, 10, 801-811.	1.4	20
147	A truncated cytoplasmic topoisomerase II α in a drug-resistant lung cancer cell line is encoded by a TOP2A allele with a partial deletion of exon 34. , 2000, 85, 534-539.		20
148	Mutation of proline residues in the NH ₂ -terminal region of the multidrug resistance protein, MRP1 (ABCC1): effects on protein expression, membrane localization, and transport function. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1615, 103-114.	1.4	20
149	Mutational Analysis of a Highly Conserved Proline Residue in MRP1, MRP2, and MRP3 Reveals a Partially Conserved Function. <i>Drug Metabolism and Disposition</i> , 2007, 35, 1372-1379.	1.7	20
150	Specific immunoglobulin production and enhanced tumorigenicity following ascites growth of human hybridomas. <i>Journal of Immunological Methods</i> , 1985, 81, 31-42.	0.6	19
151	Growth of human Λ - human hybridomas in protein-free medium supplemented with ethanolamine. <i>Journal of Immunological Methods</i> , 1987, 97, 29-35.	0.6	18
152	Effect of traditional Chinese medicine components on multidrug resistance in tumors mediated by P-glycoprotein. <i>Oncology Letters</i> , 2017, 13, 3989-3996.	0.8	18
153	The biological significance of the multidrug resistance gene MRP in inversion 16 leukemias. <i>Leukemia and Lymphoma</i> , 1996, 20, 357-364.	0.6	16
154	Chalcogenopyrylium Dyes as Differential Modulators of Organic Anion Transport by Multidrug Resistance Protein 1 (MRP1), MRP2, and MRP4. <i>Drug Metabolism and Disposition</i> , 2013, 41, 1231-1239.	1.7	16
155	An Outward-Facing Aromatic Amino Acid Is Crucial for Signaling between the Membrane-Spanning and Nucleotide-Binding Domains of Multidrug Resistance Protein 1 (MRP1; ABCC1). <i>Molecular Pharmacology</i> , 2018, 94, 1069-1078.	1.0	16
156	MULTIDRUG RESISTANCE PROTEIN 1 (ABCC1). , 2003, , 393-422.		15
157	Topoisomerase II binds importin β isoforms and exportin/CRM1 but does not shuttle between the nucleus and cytoplasm in proliferating cells. <i>Experimental Cell Research</i> , 2007, 313, 627-637.	1.2	15
158	A new series of titanocene dichloride derivatives bearing chiral alkylammonium groups; assessment of their cytotoxic properties. <i>Inorganica Chimica Acta</i> , 2010, 364, 16-22.	1.2	15
159	Antibody production by human Λ - human hybridomas in serum-free medium. <i>Journal of Immunological Methods</i> , 1985, 78, 271-278.	0.6	14
160	Multidrug resistance-associated antigens on drug-sensitive and -resistant human tumour cell lines. <i>British Journal of Cancer</i> , 1991, 64, 15-22.	2.9	14
161	Identification and Characterization of Functionally Important Elements in the Multidrug Resistance Protein 1 COOH-terminal Region. <i>Journal of Biological Chemistry</i> , 2004, 279, 53571-53583.	1.6	14
162	Role of proline 1150 in functional interactions between the membrane spanning domains and nucleotide binding domains of the MRP1 (ABCC1) transporter. <i>Biochemical Pharmacology</i> , 2008, 75, 1659-1669.	2.0	14

#	ARTICLE	IF	CITATIONS
163	Alterations in the heme biosynthetic pathway as an index of exposure to toxins. <i>Canadian Journal of Physiology and Pharmacology</i> , 1982, 60, 1017-1026.	0.7	13
164	Simultaneous Quantitation of Topoisomerase II α and β Isoform mRNAs in Lung Tumor Cells and Normal and Malignant Lung Tissue. <i>Laboratory Investigation</i> , 2000, 80, 787-795.	1.7	13
165	Differential functional rescue of Lys513 and Lys516 processing mutants of MRP1 (ABCC1) by chemical chaperones reveals different domain-domain interactions of the transporter. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 756-765.	1.4	12
166	N-linked glycans do not affect plasma membrane localization of multidrug resistance protein 4 (MRP4) but selectively alter its prostaglandin E2 transport activity. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 954-959.	1.0	12
167	[11] Comparative phenotypic analysis of available human hybridoma fusion partners. <i>Methods in Enzymology</i> , 1986, 121, 120-140.	0.4	10
168	Fabrication of psoralen-loaded lipid-polymer hybrid nanoparticles and their reversal effect on drug resistance of cancer cells. <i>Oncology Reports</i> , 2018, 40, 1055-1063.	1.2	10
169	<i>Drosophila</i> dihydrofolate reductase mutations confer antifolate resistance to mammalian cells. <i>European Journal of Pharmacology</i> , 2006, 529, 71-78.	1.7	9
170	Structural requirements in dihydropyridines for ferrochelatase inhibition and δ -aminolevulinic acid synthetase induction. <i>International Journal of Biochemistry & Cell Biology</i> , 1980, 12, 989-992.	0.8	8
171	Mutagenic Analysis of the Putative ABCC6 Substrate-Binding Cavity Using a New Homology Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6910.	1.8	8
172	Effects of porphyrin-inducing drugs on ferrochelatase activity in isolated mouse hepatocytes. <i>Canadian Journal of Physiology and Pharmacology</i> , 1981, 59, 1155-1158.	0.7	7
173	Two-dimensional electrophoretic display of restriction fragments from genomic DNA. <i>Analytical Biochemistry</i> , 1985, 149, 177-182.	1.1	7
174	A monoclonal antibody detecting cell surface epitope on some drug resistant human tumour cell lines. <i>British Journal of Cancer</i> , 1990, 62, 14-16.	2.9	7
175	Differential growth inhibition and enhancement of major histocompatibility complex class I antigen expression by interferons in a small-cell lung cancer cell line and its doxorubicin-selected multidrug-resistant variant. <i>Cancer Immunology, Immunotherapy</i> , 1991, 33, 274-277.	2.0	7
176	Mapping of the MRPm5 epitope to the cytosolic region between transmembrane helices 13 and 14 in the drug and organic anion transporter, MRP1 (ABCC1). <i>Biochemical and Biophysical Research Communications</i> , 2004, 315, 719-725.	1.0	7
177	Tumorigenic multidrug-resistant HT1080 cells do not overexpress receptors for epidermal growth factor. <i>British Journal of Cancer</i> , 1991, 64, 296-298.	2.9	6
178	Preparation and evaluation of spirulina polysaccharide nanoemulsions. <i>International Journal of Molecular Medicine</i> , 2018, 42, 1273-1282.	1.8	6
179	GSH facilitates the binding and inhibitory activity of novel multidrug resistance protein 1 (MRP1) modulators. <i>FEBS Journal</i> , 2022, 289, 3854-3875.	2.2	6
180	Standardization of a single-cell assay for sensitive detection of multidrug resistance protein expression in normal and malignant cells in archival clinical samples. <i>Translational Research</i> , 1997, 130, 297-306.	2.4	5

#	ARTICLE	IF	CITATIONS
181	A single point mutation in <i>Drosophila</i> dihydrofolate reductase confers methotrexate resistance to a transgenic CHO cell line. <i>Genome</i> , 2003, 46, 707-715.	0.9	4
182	Inhibition of ferrochelatase by N-methylprotoporphyrin IX is not accompanied by δ -aminolevulinic acid synthetase induction in chick embryo liver cell culture. <i>Canadian Journal of Physiology and Pharmacology</i> , 1982, 60, 212-215.	0.7	3
183	[44] Cloning, transfer, and characterization of multidrug resistance protein. <i>Methods in Enzymology</i> , 1998, 292, 594-607.	0.4	2
184	Conserved amino acids in the region connecting membrane spanning domain 1 to nucleotide binding domain 1 are essential for expression of the MRP1 (ABCC1) transporter. <i>PLoS ONE</i> , 2021, 16, e0246727.	1.1	2
185	Multidrug Resistance II: MRP and Related Proteins. , 2002, , 255-267.		1
186	The First Cytoplasmic Loop in the Core Structure of the ABCC1 (Multidrug Resistance Protein 1; MRP1) Transporter Contains Multiple Amino Acids Essential for Its Expression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9710.	1.8	1
187	Regulation of Arsenic Trigluthathione [As(GS) 3] Transport by the Human Multidrug Resistance Protein 1 (MRP1/ABCC1) Through Postâ€translational Modification. <i>FASEB Journal</i> , 2011, 25, lb502.	0.2	0