

Michael M Gottesman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

214
papers

35,514
citations

71
h-index

188
g-index

229
ext. papers

38,118
ext. citations

8.9
avg, IF

7.35
L-index

#	Paper	IF	Citations
214	Host gene expression modulated by Zika virus infection of human-293 cells. <i>Virology</i> , 2021 , 552, 32-42	3.6	1
213	Cross-resistance of cisplatin selected cells to anti-microtubule agents: Role of general survival mechanisms. <i>Translational Oncology</i> , 2021 , 14, 100917	4.9	4
212	ATP-binding cassette transporters at the zebrafish blood-brain barrier and the potential utility of the zebrafish as a model. <i>Cancer Drug Resistance (Alhambra, Calif)</i> , 2021 , 4, 620-633	4.5	3
211	Dual Inhibition of Histone Deacetylases and the Mechanistic Target of Rapamycin Promotes Apoptosis in Cell Line Models of Uveal Melanoma 2021 , 62, 16		0
210	Characterization and tissue localization of zebrafish homologs of the human ABCB1 multidrug transporter.. <i>Scientific Reports</i> , 2021 , 11, 24150	4.9	1
209	Leptin Signaling Affects Survival and Chemoresistance of Estrogen Receptor Negative Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	9
208	The Dual Role of ABC Transporters in Drug Metabolism and Resistance to Chemotherapy 2020 , 1007-1014		0
207	A role for ceramide glycosylation in resistance to oxaliplatin in colorectal cancer. <i>Experimental Cell Research</i> , 2020 , 388, 111860	4.2	16
206	Multidrug transporters: recent insights from cryo-electron microscopy-derived atomic structures and animal models. <i>F1000Research</i> , 2020 , 9,	3.6	11
205	The Evolving AML Genomic Landscape: Therapeutic Implications. <i>Current Cancer Drug Targets</i> , 2020 , 20, 532-544	2.8	3
204	Mycoplasma Infection Mediates Sensitivity of Multidrug-Resistant Cell Lines to Tiopronin: A Cautionary Tale. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 1434-1439	8.3	2
203	Reversing the direction of drug transport mediated by the human multidrug transporter P-glycoprotein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29609-29617	11.5	9
202	Understanding the impact of controlled oxygen delivery to 3D cancer cell culture 2020 , 661-696		
201	Model systems for studying the blood-brain barrier: Applications and challenges. <i>Biomaterials</i> , 2019 , 214, 119217	15.6	21
200	Heterogeneity in refractory acute myeloid leukemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10494-10503	11.5	22
199	Spatial control of oxygen delivery to three-dimensional cultures alters cancer cell growth and gene expression. <i>Journal of Cellular Physiology</i> , 2019 , 234, 20608-20622	7	8
198	Porphyrin-lipid assemblies and nanovesicles overcome ABC transporter-mediated photodynamic therapy resistance in cancer cells. <i>Cancer Letters</i> , 2019 , 457, 110-118	9.9	31

197	Coexpression of ABCB1 and ABCG2 in a Cell Line Model Reveals Both Independent and Additive Transporter Function. <i>Drug Metabolism and Disposition</i> , 2019 , 47, 715-723	4	10
196	Exome Sequencing of ABCB5 Identifies Recurrent Melanoma Mutations that Result in Increased Proliferative and Invasive Capacities. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 1985-1992.e10	4.3	1
195	A High-Throughput Screen of a Library of Therapeutics Identifies Cytotoxic Substrates of P-glycoprotein. <i>Molecular Pharmacology</i> , 2019 , 96, 629-640	4.3	12
194	Targeting mitochondrial hexokinases increases efficacy of histone deacetylase inhibitors in solid tumor models. <i>Experimental Cell Research</i> , 2019 , 375, 106-112	4.2	10
193	Revisiting the role of ABC transporters in multidrug-resistant cancer. <i>Nature Reviews Cancer</i> , 2018 , 18, 452-464	31.3	732
192	Pluripotent Stem Cell Platforms for Drug Discovery. <i>Trends in Molecular Medicine</i> , 2018 , 24, 805-820	11.5	24
191	Mapping discontinuous epitopes for MRK-16, UIC2 and 4E3 antibodies to extracellular loops 1 and 4 of human P-glycoprotein. <i>Scientific Reports</i> , 2018 , 8, 12716	4.9	12
190	The tuberous sclerosis complex subunit TBC1D7 is stabilized by Akt phosphorylation-mediated 14-3-3 binding. <i>Journal of Biological Chemistry</i> , 2018 , 293, 16142-16159	5.4	7
189	Structures of the Multidrug Transporter P-glycoprotein Reveal Asymmetric ATP Binding and the Mechanism of Polyspecificity. <i>Journal of Biological Chemistry</i> , 2017 , 292, 446-461	5.4	120
188	An automated method measures variability in P-glycoprotein and ABCG2 densities across brain regions and brain matter. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 2062-2075	7.3	15
187	The ABCG2 Multidrug Transporter 2016 , 195-226		9
186	Genetic Polymorphisms of P-glycoprotein: Echoes of Silence 2016 , 105-134		2
185	Tariquidar Is an Inhibitor and Not a Substrate of Human and Mouse P-glycoprotein. <i>Drug Metabolism and Disposition</i> , 2016 , 44, 275-82	4	39
184	Using the BacMam Baculovirus System to Study Expression and Function of Recombinant Efflux Drug Transporters in Polarized Epithelial Cell Monolayers. <i>Drug Metabolism and Disposition</i> , 2016 , 44, 180-8	4	3
183	A Gene Expression Signature Associated with Overall Survival in Patients with Hepatocellular Carcinoma Suggests a New Treatment Strategy. <i>Molecular Pharmacology</i> , 2016 , 89, 263-72	4.3	21
182	Human-Mouse Chimeras with Normal Expression and Function Reveal That Major Domain Swapping Is Tolerated by P-Glycoprotein (ABCB1). <i>Biochemistry</i> , 2016 , 55, 1010-23	3.2	8
181	Mathematical Modeling Reveals That Changes to Local Cell Density Dynamically Modulate Baseline Variations in Cell Growth and Drug Response. <i>Cancer Research</i> , 2016 , 76, 2882-90	10.1	17
180	Toward a Better Understanding of the Complexity of Cancer Drug Resistance. <i>Annual Review of Pharmacology and Toxicology</i> , 2016 , 56, 85-102	17.9	200

179	Blocking downstream signaling pathways in the context of HDAC inhibition promotes apoptosis preferentially in cells harboring mutant Ras. <i>Oncotarget</i> , 2016 , 7, 69804-69815	3.3	12
178	The Drug Excipient Cyclodextrin Interacts With d-Luciferin and Interferes With Bioluminescence Imaging. <i>Molecular Imaging</i> , 2016 , 15,	3.7	3
177	Bioluminescent imaging of ABCG2 efflux activity at the blood-placenta barrier. <i>Scientific Reports</i> , 2016 , 6, 20418	4.9	7
176	Cryo-EM Analysis of the Conformational Landscape of Human P-glycoprotein (ABCB1) During its Catalytic Cycle. <i>Molecular Pharmacology</i> , 2016 , 90, 35-41	4.3	59
175	In Vivo Bioluminescent Imaging of ATP-Binding Cassette Transporter-Mediated Efflux at the Blood-Brain Barrier. <i>Methods in Molecular Biology</i> , 2016 , 1461, 227-39	1.4	5
174	The protein phosphatase 2A inhibitor LB100 sensitizes ovarian carcinoma cells to cisplatin-mediated cytotoxicity. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 90-100	6.1	29
173	Reduced accumulation of platinum drugs is not observed in drug-resistant ovarian cancer cell lines derived from cisplatin-treated patients. <i>Journal of Inorganic Biochemistry</i> , 2015 , 149, 45-8	4.2	6
172	Expression of the multidrug transporter P-glycoprotein is inversely related to that of apoptosis-associated endogenous TRAIL. <i>Experimental Cell Research</i> , 2015 , 336, 318-28	4.2	18
171	The role of Abcb5 alleles in susceptibility to haloperidol-induced toxicity in mice and humans. <i>PLoS Medicine</i> , 2015 , 12, e1001782	11.6	16
170	Beyond 3D culture models of cancer. <i>Science Translational Medicine</i> , 2015 , 7, 283ps9	17.5	62
169	The Role of Multidrug Resistance Efflux Pumps in Cancer: Revisiting a JNCI Publication Exploring Expression of the MDR1 (P-glycoprotein) Gene. <i>Journal of the National Cancer Institute</i> , 2015 , 107,	9.7	73
168	The Inhibitor Ko143 Is Not Specific for ABCG2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 354, 384-93	4.7	77
167	Modeling intrinsic heterogeneity and growth of cancer cells. <i>Journal of Theoretical Biology</i> , 2015 , 367, 262-277	2.3	22
166	Selectable Markers for Gene Therapy 2015 , 701-740		
165	Evaluation of fluorophore-tethered platinum complexes to monitor the fate of cisplatin analogs. <i>Journal of Biological Inorganic Chemistry</i> , 2015 , 20, 1081-95	3.7	13
164	Identification of a Cryptic Bacterial Promoter in Mouse (mdr1a) P-Glycoprotein cDNA. <i>PLoS ONE</i> , 2015 , 10, e0136396	3.7	5
163	The impact of cell density and mutations in a model of multidrug resistance in solid tumors. <i>Bulletin of Mathematical Biology</i> , 2014 , 76, 627-53	2.1	30
162	Simplifying the complexity of resistance heterogeneity in metastasis. <i>Trends in Molecular Medicine</i> , 2014 , 20, 129-36	11.5	14

161	Say no to DMSO: dimethylsulfoxide inactivates cisplatin, carboplatin, and other platinum complexes. <i>Cancer Research</i> , 2014 , 74, 3913-22	10.1	208
160	Targeting the Achilles heel of multidrug-resistant cancer by exploiting the fitness cost of resistance. <i>Chemical Reviews</i> , 2014 , 114, 5753-74	68.1	140
159	Drug resistance is conferred on the model yeast <i>Saccharomyces cerevisiae</i> by expression of full-length melanoma-associated human ATP-binding cassette transporter ABCB5. <i>Molecular Pharmaceutics</i> , 2014 , 11, 3452-62	5.6	9
158	MDR1 synonymous polymorphisms alter transporter specificity and protein stability in a stable epithelial monolayer. <i>Cancer Research</i> , 2014 , 74, 598-608	10.1	93
157	Lost in Translation: Regulation of ABCG2 Expression in Human Embryonic Stem Cells. <i>Journal of Stem Cell Research & Therapy</i> , 2014 , 4,	1	2
156	Gil ashwell, 1916-2014. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16232-3	11.5	
155	Inhibition of glutathione peroxidase mediates the collateral sensitivity of multidrug-resistant cells to tiopronin. <i>Journal of Biological Chemistry</i> , 2014 , 289, 21473-89	5.4	31
154	Exploring the complexity of multidrug resistance in cancer (91.1). <i>FASEB Journal</i> , 2014 , 28, 91.1	0.9	
153	P-glycoprotein-dependent resistance of cancer cells toward the extrinsic TRAIL apoptosis signaling pathway. <i>Biochemical Pharmacology</i> , 2013 , 86, 584-96	6	17
152	The clinical relevance of cancer cell lines. <i>Journal of the National Cancer Institute</i> , 2013 , 105, 452-8	9.7	341
151	The role of cell density and intratumoral heterogeneity in multidrug resistance. <i>Cancer Research</i> , 2013 , 73, 7168-75	10.1	47
150	Nanoscale drug delivery platforms overcome platinum-based resistance in cancer cells due to abnormal membrane protein trafficking. <i>ACS Nano</i> , 2013 , 7, 10452-64	16.7	63
149	Contributions of microRNA dysregulation to cisplatin resistance in adenocarcinoma cells. <i>Experimental Cell Research</i> , 2013 , 319, 566-74	4.2	19
148	Microfabricated polymeric vessel mimetics for 3-D cancer cell culture. <i>Biomaterials</i> , 2013 , 34, 8301-13	15.6	22
147	Multidrug resistance in relapsed acute myeloid leukemia: evidence of biological heterogeneity. <i>Cancer</i> , 2013 , 119, 3076-83	6.4	32
146	Bioluminescent imaging of drug efflux at the blood-brain barrier mediated by the transporter ABCG2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20801-6	11.5	33
145	RAB8 enhances TMEM205-mediated cisplatin resistance. <i>Pharmaceutical Research</i> , 2012 , 29, 643-50	4.5	24
144	Cisplatin sensitivity mediated by WEE1 and CHK1 is mediated by miR-155 and the miR-15 family. <i>Cancer Research</i> , 2012 , 72, 5945-55	10.1	83

143	Rules to Prevent Conflict of Interest for Clinical Investigators Conducting Human Subjects Research 2012 , 139-146		
142	Multidrug resistance-linked gene signature predicts overall survival of patients with primary ovarian serous carcinoma. <i>Clinical Cancer Research</i> , 2012 , 18, 3197-206	12.9	41
141	The dynamics of drug resistance: a mathematical perspective. <i>Drug Resistance Updates</i> , 2012 , 15, 90-7	23.2	71
140	Drug resistance: still a daunting challenge to the successful treatment of AML. <i>Drug Resistance Updates</i> , 2012 , 15, 62-9	23.2	183
139	Collateral sensitivity as a strategy against cancer multidrug resistance. <i>Drug Resistance Updates</i> , 2012 , 15, 98-105	23.2	215
138	Regulation and expression of the ATP-binding cassette transporter ABCG2 in human embryonic stem cells. <i>Stem Cells</i> , 2012 , 30, 2175-87	5.8	33
137	Resistance to paclitaxel in a cisplatin-resistant ovarian cancer cell line is mediated by P-glycoprotein. <i>PLoS ONE</i> , 2012 , 7, e40717	3.7	66
136	Cisplatin resistance: a cellular self-defense mechanism resulting from multiple epigenetic and genetic changes. <i>Pharmacological Reviews</i> , 2012 , 64, 706-21	22.5	565
135	Impact of intertumoral heterogeneity on predicting chemotherapy response of BRCA1-deficient mammary tumors. <i>Cancer Research</i> , 2012 , 72, 2350-61	10.1	41
134	Clinical relevance of multidrug resistance gene expression in ovarian serous carcinoma effusions. <i>Molecular Pharmaceutics</i> , 2011 , 8, 2080-8	5.6	28
133	The "specific" P-glycoprotein inhibitor Tariquidar is also a substrate and an inhibitor for breast cancer resistance protein (BCRP/ABCG2). <i>ACS Chemical Neuroscience</i> , 2011 , 2, 82-9	5.7	129
132	Inhibition of multidrug resistance by SV40 pseudovirion delivery of an antigene peptide nucleic acid (PNA) in cultured cells. <i>PLoS ONE</i> , 2011 , 6, e17981	3.7	14
131	Advances in the molecular detection of ABC transporters involved in multidrug resistance in cancer. <i>Current Pharmaceutical Biotechnology</i> , 2011 , 12, 686-92	2.6	52
130	Synthesis and structure-activity evaluation of isatin- β -thiosemicarbazones with improved selective activity toward multidrug-resistant cells expressing P-glycoprotein. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 5878-89	8.3	86
129	Redefining the relevance of established cancer cell lines to the study of mechanisms of clinical anti-cancer drug resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 18708-13	11.5	311
128	Collateral sensitivity of multidrug-resistant cells to the orphan drug tiopronin. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 4987-97	8.3	32
127	Lysosomal trapping of a radiolabeled substrate of P-glycoprotein as a mechanism for signal amplification in PET. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 2593-8	11.5	45
126	N-desmethyl-loperamide is selective for P-glycoprotein among three ATP-binding cassette transporters at the blood-brain barrier. <i>Drug Metabolism and Disposition</i> , 2010 , 38, 917-22	4	35

125	Mechanisms of multidrug resistance in cancer. <i>Methods in Molecular Biology</i> , 2010 , 596, 47-76	1.4	450
124	Prolonged drug selection of breast cancer cells and enrichment of cancer stem cell characteristics. <i>Journal of the National Cancer Institute</i> , 2010 , 102, 1637-52	9.7	208
123	Metallofullerene nanoparticles circumvent tumor resistance to cisplatin by reactivating endocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 7449-54	11.5	206
122	Commentary: A delicate balance: weighing the effects of conflict-of-interest rules on intramural research at the National Institutes of Health. <i>Academic Medicine</i> , 2010 , 85, 1660-2	3.9	3
121	Elevated expression of TMEM205, a hypothetical membrane protein, is associated with cisplatin resistance. <i>Journal of Cellular Physiology</i> , 2010 , 225, 822-8	7	26
120	Individualized Multidrug Resistance In Acute Myeloid Leukemia. <i>Blood</i> , 2010 , 116, 2491-2491	2.2	
119	A dual-fluorescence high-throughput cell line system for probing multidrug resistance. <i>Assay and Drug Development Technologies</i> , 2009 , 7, 233-49	2.1	45
118	Evaluation of current methods used to analyze the expression profiles of ATP-binding cassette transporters yields an improved drug-discovery database. <i>Molecular Cancer Therapeutics</i> , 2009 , 8, 2057-66	6.1	34
117	Influence of melanosome dynamics on melanoma drug sensitivity. <i>Journal of the National Cancer Institute</i> , 2009 , 101, 1259-71	9.7	64
116	A synonymous polymorphism in a common MDR1 (ABCB1) haplotype shapes protein function. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009 , 1794, 860-71	4	239
115	Is resistance useless? Multidrug resistance and collateral sensitivity. <i>Trends in Pharmacological Sciences</i> , 2009 , 30, 546-56	13.2	195
114	Synthesis, activity, and pharmacophore development for isatin-beta-thiosemicarbazones with selective activity toward multidrug-resistant cells. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 3191-204	8.3	125
113	Involvement of ABC transporters in melanogenesis and the development of multidrug resistance of melanoma. <i>Pigment Cell and Melanoma Research</i> , 2009 , 22, 740-9	4.5	121
112	Identification of gene signatures involved in the mechanisms of multidrug resistance. <i>Personalized Medicine</i> , 2009 , 6, 133-134	2.2	
111	The development of gene therapy: from monogenic recessive disorders to complex diseases such as cancer. <i>Methods in Molecular Biology</i> , 2009 , 542, 5-54	1.4	27
110	Resistance to Cisplatin Results from Multiple Mechanisms in Cancer Cells 2009 , 83-88		3
109	Synonymous mutations and ribosome stalling can lead to altered folding pathways and distinct minima. <i>Journal of Molecular Biology</i> , 2008 , 383, 281-91	6.5	195
108	The role of cellular accumulation in determining sensitivity to platinum-based chemotherapy. <i>Annual Review of Pharmacology and Toxicology</i> , 2008 , 48, 495-535	17.9	374

107	Profiling SLCO and SLC22 genes in the NCI-60 cancer cell lines to identify drug uptake transporters. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 3081-91	6.1	130
106	SIRT1 contributes in part to cisplatin resistance in cancer cells by altering mitochondrial metabolism. <i>Molecular Cancer Research</i> , 2008 , 6, 1499-506	6.6	84
105	Disruption of microfilaments by cytochalasin B decreases accumulation of cisplatin in human epidermal carcinoma and liver carcinoma cell lines. <i>Cancer Chemotherapy and Pharmacology</i> , 2008 , 62, 977-84	3.5	7
104	P-Glycoprotein is not present in mitochondrial membranes. <i>Experimental Cell Research</i> , 2007 , 313, 3100-5	4.2	28
103	Ethnicity-related polymorphisms and haplotypes in the human ABCB1 gene. <i>Pharmacogenomics</i> , 2007 , 8, 29-39	2.6	78
102	Evidence for dual mode of action of a thiosemicarbazone, NSC73306: a potent substrate of the multidrug resistance linked ABCG2 transporter. <i>Molecular Cancer Therapeutics</i> , 2007 , 6, 3287-96	6.1	80
101	Silent polymorphisms speak: how they affect pharmacogenomics and the treatment of cancer. <i>Cancer Research</i> , 2007 , 67, 9609-12	10.1	194
100	A "silent" polymorphism in the MDR1 gene changes substrate specificity. <i>Science</i> , 2007 , 315, 525-8	33.3	1928
99	Endocytic recycling compartments altered in cisplatin-resistant cancer cells. <i>Cancer Research</i> , 2006 , 66, 2346-53	10.1	53
98	Selective toxicity of NSC73306 in MDR1-positive cells as a new strategy to circumvent multidrug resistance in cancer. <i>Cancer Research</i> , 2006 , 66, 4808-15	10.1	148
97	Identification by functional cloning from a retroviral cDNA library of cDNAs for ribosomal protein L36 and the 10-kDa heat shock protein that confer cisplatin resistance. <i>Molecular Pharmacology</i> , 2006 , 69, 1383-8	4.3	25
96	Melanosomal sequestration of cytotoxic drugs contributes to the intractability of malignant melanomas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9903-7	11.5	145
95	Comparison of drug transporter levels in normal colon, colon cancer, and Caco-2 cells: impact on drug disposition and discovery. <i>Molecular Pharmaceutics</i> , 2006 , 3, 87-93	5.6	40
94	The molecular basis of multidrug resistance in cancer: the early years of P-glycoprotein research. <i>FEBS Letters</i> , 2006 , 580, 998-1009	3.8	380
93	Targeting multidrug resistance in cancer. <i>Nature Reviews Drug Discovery</i> , 2006 , 5, 219-34	64.1	2649
92	How Melanoma Cells Evade Chemotherapy 2006 , 591-603		1
91	Defeating drug resistance in cancer. <i>Discovery Medicine</i> , 2006 , 6, 18-23	2.5	39
90	A novel way to spread drug resistance in tumor cells: functional intercellular transfer of P-glycoprotein (ABCB1). <i>Trends in Pharmacological Sciences</i> , 2005 , 26, 385-7	13.2	73

89	Principal expression of two mRNA isoforms (ABCB 5alpha and ABCB 5beta) of the ATP-binding cassette transporter gene ABCB 5 in melanoma cells and melanocytes. <i>Pigment Cell & Melanoma Research</i> , 2005 , 18, 102-12		65
88	Trafficking and localization of platinum complexes in cisplatin-resistant cell lines monitored by fluorescence-labeled platinum. <i>Journal of Cellular Physiology</i> , 2005 , 202, 635-41	7	51
87	Identification of Cytoskeletal [14C]Carboplatin-Binding Proteins Reveals Reduced Expression and Disorganization of Actin and Filamin in Cisplatin-Resistant Cell Lines. <i>Molecular Pharmacology</i> , 2004 , 66, 789-793	4.3	27
86	Down-regulation and altered localization of gamma-catenin in cisplatin-resistant adenocarcinoma cells. <i>Molecular Pharmacology</i> , 2004 , 65, 1217-24	4.3	14
85	The molecular mysteries underlying P-glycoprotein-mediated multidrug resistance. <i>Cancer Biology and Therapy</i> , 2004 , 3, 382-4	4.6	14
84	Analysis of ATP-binding cassette transporter expression in drug-selected cell lines by a microarray dedicated to multidrug resistance. <i>Molecular Pharmacology</i> , 2004 , 66, 1397-405	4.3	73
83	A pleiotropic defect reducing drug accumulation in cisplatin-resistant cells. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 1599-606	4.2	25
82	Changes in biophysical parameters of plasma membranes influence cisplatin resistance of sensitive and resistant epidermal carcinoma cells. <i>Experimental Cell Research</i> , 2004 , 293, 283-91	4.2	24
81	Predicting drug sensitivity and resistance: profiling ABC transporter genes in cancer cells. <i>Cancer Cell</i> , 2004 , 6, 129-37	24.3	432
80	Identification of cytoskeletal [14C]carboplatin-binding proteins reveals reduced expression and disorganization of actin and filamin in cisplatin-resistant cell lines. <i>Molecular Pharmacology</i> , 2004 , 66, 789-93	4.3	58
79	Codominance of cisplatin resistance in somatic cell hybrids. <i>Journal of Cellular Physiology</i> , 2003 , 196, 63-9	7	3
78	Cancer gene therapy: an awkward adolescence. <i>Cancer Gene Therapy</i> , 2003 , 10, 501-8	5.4	57
77	P-glycoprotein: from genomics to mechanism. <i>Oncogene</i> , 2003 , 22, 7468-85	9.2	847
76	High cloning capacity of in vitro packaged SV40 vectors with no SV40 virus sequences. <i>Human Gene Therapy</i> , 2003 , 14, 167-77	4.8	39
75	Gene Expression and Detection 2003 , 413-480		
74	P-glycoprotein, expressed in multidrug resistant cells, is not responsible for alterations in membrane fluidity or membrane potential. <i>Cancer Research</i> , 2003 , 63, 3084-91	10.1	53
73	Mislocalization of membrane proteins associated with multidrug resistance in cisplatin-resistant cancer cell lines. <i>Cancer Research</i> , 2003 , 63, 5909-16	10.1	70
72	Multidrug resistance in cancer: role of ATP-dependent transporters. <i>Nature Reviews Cancer</i> , 2002 , 2, 48-58	31.3	4255

71	Drug selection with paclitaxel restores expression of linked IL-2 receptor gamma -chain and multidrug resistance (MDR1) transgenes in canine bone marrow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 3123-8	11.5	37
70	Mechanisms of cancer drug resistance. <i>Annual Review of Medicine</i> , 2002 , 53, 615-27	17.4	195 ⁸
69	Functional characterization of coding polymorphisms in the human MDR1 gene using a vaccinia virus expression system. <i>Molecular Pharmacology</i> , 2002 , 62, 1-6	4.3	147
68	Multidrug Resistance I: P-Glycoprotein 2002 , 247-254		
67	In vitro-packaged SV40 pseudovirions as highly efficient vectors for gene transfer. <i>Human Gene Therapy</i> , 2002 , 13, 299-310	4.8	35
66	Overview: ABC transporters and human disease. <i>Journal of Bioenergetics and Biomembranes</i> , 2001 , 33, 453-8	3.7	261
65	Decreased accumulation of [14C]carboplatin in human cisplatin-resistant cells results from reduced energy-dependent uptake. <i>Journal of Cellular Physiology</i> , 2000 , 183, 108-16	7	80
64	Effect of ABC transporters on HIV-1 infection: inhibition of virus production by the MDR1 transporter. <i>FASEB Journal</i> , 2000 , 14, 516-22	0.9	83
63	Decreased accumulation of [14c]carboplatin in human cisplatin-resistant cells results from reduced energy-dependent uptake 2000 , 183, 108		2
62	Engraftment of MDR1 and NeoR Gene-Transduced Hematopoietic Cells After Breast Cancer Chemotherapy. <i>Blood</i> , 1999 , 94, 52-61	2.2	130
61	Biochemical, cellular, and pharmacological aspects of the multidrug transporter. <i>Annual Review of Pharmacology and Toxicology</i> , 1999 , 39, 361-98	17.9	1787
60	A single amino acid residue contributes to distinct mechanisms of inhibition of the human multidrug transporter by stereoisomers of the dopamine receptor antagonist flupentixol. <i>Biochemistry</i> , 1999 , 38, 6630-9	3.2	54
59	Both ATP sites of human P-glycoprotein are essential but not symmetric. <i>Biochemistry</i> , 1999 , 38, 13887-92	3.2	129
58	The extracellular loop between TM5 and TM6 of P-glycoprotein is required for reactivity with monoclonal antibody UIC2. <i>Archives of Biochemistry and Biophysics</i> , 1999 , 367, 74-80	4.1	30
57	Studies of human MDR1-MDR2 chimeras demonstrate the functional exchangeability of a major transmembrane segment of the multidrug transporter and phosphatidylcholine flippase. <i>Molecular and Cellular Biology</i> , 1999 , 19, 1450-9	4.8	32
56	Human P-glycoprotein exhibits reduced affinity for substrates during a catalytic transition state. <i>Biochemistry</i> , 1998 , 37, 5010-9	3.2	229
55	Contribution to substrate specificity and transport of nonconserved residues in transmembrane domain 12 of human P-glycoprotein. <i>Biochemistry</i> , 1998 , 37, 16400-9	3.2	79
54	HIV-1 protease inhibitors are substrates for the MDR1 multidrug transporter. <i>Biochemistry</i> , 1998 , 37, 3594-601	3.2	453

53	Structural flexibility of the linker region of human P-glycoprotein permits ATP hydrolysis and drug transport. <i>Biochemistry</i> , 1998 , 37, 13660-73	3.2	93
52	pHaMDR-DHFR bicistronic expression system for mutational analysis of P-glycoprotein. <i>Methods in Enzymology</i> , 1998 , 292, 474-80	1.7	3
51	Retroviral transfer of human MDR1 gene into human T lymphocytes. <i>Methods in Enzymology</i> , 1998 , 292, 557-72	1.7	10
50	Efficient long-term coexpression of a hammerhead ribozyme targeted to the U5 region of HIV-1 LTR by linkage to the multidrug-resistance gene. <i>Oligonucleotides</i> , 1997 , 7, 511-22		12
49	DNA-PKcs: a T-cell tumour suppressor encoded at the mouse scid locus. <i>Nature Genetics</i> , 1997 , 17, 483-636.3		121
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