

# Michael M Gottesman

## List of Publications by Year in descending order

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214  
papers

41,003  
citations

8755

75  
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2509

196  
g-index

229  
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229  
docs citations

229  
times ranked

35032  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidrug resistance in cancer: role of ATP-dependent transporters. <i>Nature Reviews Cancer</i> , 2002, 2, 48-58.	28.4	4,873
2	BIOCHEMISTRY OF MULTIDRUG RESISTANCE MEDIATED BY THE MULTIDRUG TRANSPORTER. <i>Annual Review of Biochemistry</i> , 1993, 62, 385-427.	11.1	3,448
3	Targeting multidrug resistance in cancer. <i>Nature Reviews Drug Discovery</i> , 2006, 5, 219-234.	46.4	3,098
4	Mechanisms of Cancer Drug Resistance. <i>Annual Review of Medicine</i> , 2002, 53, 615-627.	12.2	2,284
5	A "Silent" Polymorphism in the <i>MDR1</i> Gene Changes Substrate Specificity. <i>Science</i> , 2007, 315, 525-528.	12.6	2,230
6	BIOCHEMICAL, CELLULAR, AND PHARMACOLOGICAL ASPECTS OF THE MULTIDRUG TRANSPORTER. <i>Annual Review of Pharmacology and Toxicology</i> , 1999, 39, 361-398.	9.4	1,940
7	Internal duplication and homology with bacterial transport proteins in the <i>mdr1</i> (P-glycoprotein) gene from multidrug-resistant human cells. <i>Cell</i> , 1986, 47, 381-389.	28.9	1,902
8	Expression of Multidrug Resistance Gene in Human Cancers. <i>Journal of the National Cancer Institute</i> , 1989, 81, 116-124.	6.3	1,214
9	Revisiting the role of ABC transporters in multidrug-resistant cancer. <i>Nature Reviews Cancer</i> , 2018, 18, 452-464.	28.4	1,181
10	P-glycoprotein: from genomics to mechanism. <i>Oncogene</i> , 2003, 22, 7468-7485.	5.9	956
11	Cisplatin Resistance: A Cellular Self-Defense Mechanism Resulting from Multiple Epigenetic and Genetic Changes. <i>Pharmacological Reviews</i> , 2012, 64, 706-721.	16.0	737
12	Is the multidrug transporter a flippase?. <i>Trends in Biochemical Sciences</i> , 1992, 17, 18-21.	7.5	700
13	Multiple-Drug Resistance in Human Cancer. <i>New England Journal of Medicine</i> , 1987, 316, 1388-1393.	27.0	675
14	Mechanisms of Multidrug Resistance in Cancer. <i>Methods in Molecular Biology</i> , 2010, 596, 47-76.	0.9	555
15	Predicting drug sensitivity and resistance. <i>Cancer Cell</i> , 2004, 6, 129-137.	16.8	496
16	HIV-1 Protease Inhibitors Are Substrates for the MDR1 Multidrug Transporter. <i>Biochemistry</i> , 1998, 37, 3594-3601.	2.5	482
17	The Clinical Relevance of Cancer Cell Lines. <i>Journal of the National Cancer Institute</i> , 2013, 105, 452-458.	6.3	479
18	The molecular basis of multidrug resistance in cancer: The early years of P-glycoprotein research. <i>FEBS Letters</i> , 2006, 580, 998-1009.	2.8	472

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19	Isolation and genetic characterization of human KB cell lines resistant to multiple drugs. <i>Somatic Cell and Molecular Genetics</i> , 1985, 11, 117-126.	0.7	446
20	The Role of Cellular Accumulation in Determining Sensitivity to Platinum-Based Chemotherapy. <i>Annual Review of Pharmacology and Toxicology</i> , 2008, 48, 495-535.	9.4	415
21	The <i>mdr1</i> gene, responsible for multidrug-resistance, codes for P-glycoprotein. <i>Biochemical and Biophysical Research Communications</i> , 1986, 141, 956-962.	2.1	389
22	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, 18708-18713.	7.1	381
23	Overview: ABC transporters and human disease. <i>Journal of Bioenergetics and Biomembranes</i> , 2001, 33, 453-458.	2.3	304
24	A synonymous polymorphism in a common MDR1 (ABCB1) haplotype shapes protein function. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 860-871.	2.3	281
25	Say No to DMSO: Dimethylsulfoxide Inactivates Cisplatin, Carboplatin, and Other Platinum Complexes. <i>Cancer Research</i> , 2014, 74, 3913-3922.	0.9	277
26	Collateral sensitivity as a strategy against cancer multidrug resistance. <i>Drug Resistance Updates</i> , 2012, 15, 98-105.	14.4	269
27	Toward a Better Understanding of the Complexity of Cancer Drug Resistance. <i>Annual Review of Pharmacology and Toxicology</i> , 2016, 56, 85-102.	9.4	261
28	Human P-Glycoprotein Exhibits Reduced Affinity for Substrates during a Catalytic Transition State. <i>Biochemistry</i> , 1998, 37, 5010-5019.	2.5	245
29	Prolonged Drug Selection of Breast Cancer Cells and Enrichment of Cancer Stem Cell Characteristics. <i>Journal of the National Cancer Institute</i> , 2010, 102, 1637-1652.	6.3	241
30	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, 7449-7454.	7.1	233
31	Synonymous Mutations and Ribosome Stalling Can Lead to Altered Folding Pathways and Distinct Minima. <i>Journal of Molecular Biology</i> , 2008, 383, 281-291.	4.2	230
32	Is resistance useless? Multidrug resistance and collateral sensitivity. <i>Trends in Pharmacological Sciences</i> , 2009, 30, 546-556.	8.7	223
33	Silent Polymorphisms Speak: How They Affect Pharmacogenomics and the Treatment of Cancer. <i>Cancer Research</i> , 2007, 67, 9609-9612.	0.9	219
34	Drug resistance: Still a daunting challenge to the successful treatment of AML. <i>Drug Resistance Updates</i> , 2012, 15, 62-69.	14.4	218
35	ATP-binding properties of P glycoprotein from multidrug-resistant KB cells. <i>FASEB Journal</i> , 1987, 1, 51-54.	0.5	209
36	CHO mutants resistant to colchicine, colcemid or griseofulvin have an altered $\beta$ -tubulin. <i>Cell</i> , 1980, 20, 29-36.	28.9	207

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37	P-Glycoprotein gene (MDR1) cDNA from human adrenal: Normal P-glycoprotein carries Gly185 with an altered pattern of multidrug resistance. <i>Biochemical and Biophysical Research Communications</i> , 1989, 162, 224-231.	2.1	179
38	Targeting the Achilles Heel of Multidrug-Resistant Cancer by Exploiting the Fitness Cost of Resistance. <i>Chemical Reviews</i> , 2014, 114, 5753-5774.	47.7	172
39	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, 9903-9907.	7.1	168
40	Selective Toxicity of NSC73306 in MDR1-Positive Cells as a New Strategy to Circumvent Multidrug Resistance in Cancer. <i>Cancer Research</i> , 2006, 66, 4808-4815.	0.9	162
41	Characterization of Phosphorylation-defective Mutants of Human P-glycoprotein Expressed in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 1708-1716.	3.4	160
42	Functional Characterization of Coding Polymorphisms in the HumanMDR1 Gene Using a Vaccinia Virus Expression System. <i>Molecular Pharmacology</i> , 2002, 62, 1-6.	2.3	154
43	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, 82-89.	3.5	153
44	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.	3.4	152
45	Profiling SLCO and SLC22 genes in the NCI-60 cancer cell lines to identify drug uptake transporters. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 3081-3091.	4.1	151
46	Synthesis, Activity, and Pharmacophore Development for Isatin- $\beta$ -thiosemicarbazones with Selective Activity toward Multidrug-Resistant Cells. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3191-3204.	6.4	146
47	Altered Drug-stimulated ATPase Activity in Mutants of the Human Multidrug Resistance Protein. <i>Journal of Biological Chemistry</i> , 1996, 271, 1877-1883.	3.4	143
48	Engraftment of MDR1 and NeoR Gene-Transduced Hematopoietic Cells After Breast Cancer Chemotherapy. <i>Blood</i> , 1999, 94, 52-61.	1.4	142
49	Involvement of ABC transporters in melanogenesis and the development of multidrug resistance of melanoma. <i>Pigment Cell and Melanoma Research</i> , 2009, 22, 740-749.	3.3	142
50	Measurement of Multidrug-Resistance Messenger RNA in Urogenital Cancers; Elevated Expression in Renal Cell Carcinoma is Associated with Intrinsic Drug Resistance. <i>Journal of Urology</i> , 1988, 139, 862-865.	0.4	140
51	Both ATP Sites of Human P-Glycoprotein Are Essential but Not Symmetric. <i>Biochemistry</i> , 1999, 38, 13887-13899.	2.5	137
52	DNA-PKcs: a T-cell tumour suppressor encoded at the mouse scid locus. <i>Nature Genetics</i> , 1997, 17, 483-486.	21.4	132
53	Genetic basis of multidrug resistance of tumor cells. <i>Journal of Bioenergetics and Biomembranes</i> , 1990, 22, 593-618.	2.3	129
54	Expression of the human multidrug transporter in insect cells by a recombinant baculovirus. <i>Biochemistry</i> , 1990, 29, 2295-2303.	2.5	129

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55	Expression of the multidrug resistance gene in myeloid leukemias. <i>Leukemia Research</i> , 1990, 14, 11-21.	0.8	118
56	The Inhibitor Ko143 Is Not Specific for ABCG2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 354, 384-393.	2.5	113
57	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, djv222.	6.3	110
58	<i>MDR1</i> Synonymous Polymorphisms Alter Transporter Specificity and Protein Stability in a Stable Epithelial Monolayer. <i>Cancer Research</i> , 2014, 74, 598-608.	0.9	103
59	SIRT1 Contributes in Part to Cisplatin Resistance in Cancer Cells by Altering Mitochondrial Metabolism. <i>Molecular Cancer Research</i> , 2008, 6, 1499-1506.	3.4	101
60	Synthesis and Structure-Activity Evaluation of Isatin-1 <sup>2</sup> -thiosemicarbazones with Improved Selective Activity toward Multidrug-Resistant Cells Expressing P-Glycoprotein. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5878-5889.	6.4	101
61	Structural Flexibility of the Linker Region of Human P-Glycoprotein Permits ATP Hydrolysis and Drug Transport. <i>Biochemistry</i> , 1998, 37, 13660-13673.	2.5	99
62	The dynamics of drug resistance: A mathematical perspective. <i>Drug Resistance Updates</i> , 2012, 15, 90-97.	14.4	94
63	Decreased accumulation of [ <sup>14</sup> C]carboplatin in human cisplatin-resistant cells results from reduced energy-dependent uptake. <i>Journal of Cellular Physiology</i> , 2000, 183, 108-116.	4.1	91
64	Ethnicity-related polymorphisms and haplotypes in the human ABCB1 gene. <i>Pharmacogenomics</i> , 2007, 8, 29-39.	1.3	91
65	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, 3287-3296.	4.1	89
66	Cisplatin Sensitivity Mediated by WEE1 and CHK1 Is Mediated by miR-155 and the miR-15 Family. <i>Cancer Research</i> , 2012, 72, 5945-5955.	0.9	89
67	Interaction of bioactive hydrophobic peptides with the human multidrug transporter. <i>FASEB Journal</i> , 1994, 8, 766-770.	0.5	87
68	Effect of ABC transporters on HIV-1 infection: inhibition of virus production by the <i>MDR1</i> transporter. <i>FASEB Journal</i> , 2000, 14, 516-522.	0.5	87
69	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, 385-387.	8.7	86
70	Principal expression of two mRNA isoforms (ABCB <sup>5</sup> and ABCB <sup>12</sup> ) of the ATP-binding cassette transporter gene ABCB <sup>5</sup> in melanoma cells and melanocytes. <i>Pigment Cell &amp; Melanoma Research</i> , 2005, 18, 102-112.	3.6	82
71	The effect of ion channel blockers, immunosuppressive agents, and other drugs on the activity of the multi-drug transporter. <i>International Journal of Cancer</i> , 1993, 54, 456-461.	5.1	80
72	Contribution to Substrate Specificity and Transport of Nonconserved Residues in Transmembrane Domain 12 of Human P-Glycoprotein. <i>Biochemistry</i> , 1998, 37, 16400-16409.	2.5	80

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73	Beyond 3D culture models of cancer. <i>Science Translational Medicine</i> , 2015, 7, 283ps9.	12.4	80
74	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, 1397-1405.	2.3	79
75	Influence of Melanosome Dynamics on Melanoma Drug Sensitivity. <i>Journal of the National Cancer Institute</i> , 2009, 101, 1259-1271.	6.3	79
76	Resistance to Paclitaxel in a Cisplatin-Resistant Ovarian Cancer Cell Line Is Mediated by P-Glycoprotein. <i>PLoS ONE</i> , 2012, 7, e40717.	2.5	79
77	Mislocalization of membrane proteins associated with multidrug resistance in cisplatin-resistant cancer cell lines. <i>Cancer Research</i> , 2003, 63, 5909-16.	0.9	78
78	Reversal of Drug Resistance in a Human Colon Cancer Xenograft Expressing MDR1 Complementary DNA by In Vivo Administration of MRK-16 Monoclonal Antibody. <i>Journal of the National Cancer Institute</i> , 1991, 83, 1386-1391.	6.3	75
79	Cryo-EM Analysis of the Conformational Landscape of Human P-glycoprotein (ABCB1) During its Catalytic Cycle. <i>Molecular Pharmacology</i> , 2016, 90, 35-41.	2.3	75
80	Nanoscale Drug Delivery Platforms Overcome Platinum-Based Resistance in Cancer Cells Due to Abnormal Membrane Protein Trafficking. <i>ACS Nano</i> , 2013, 7, 10452-10464.	14.6	71
81	Structure of a multidrug transporter. <i>Nature Biotechnology</i> , 2009, 27, 546-547.	17.5	69
82	Cancer gene therapy: an awkward adolescence. <i>Cancer Gene Therapy</i> , 2003, 10, 501-508.	4.6	62
83	Advances in the Molecular Detection of ABC Transporters Involved in Multidrug Resistance in Cancer. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 686-692.	1.6	62
84	Modulation of Multidrug Resistance-Associated Protein 2 (Mrp2) and Mrp3 Expression and Function with Small Interfering RNA in Sandwich-Cultured Rat Hepatocytes. <i>Molecular Pharmacology</i> , 2004, 66, 1004-1010.	2.3	62
85	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, 6630-6639.	2.5	60
86	Multidrug Resistance-Linked Gene Signature Predicts Overall Survival of Patients with Primary Ovarian Serous Carcinoma. <i>Clinical Cancer Research</i> , 2012, 18, 3197-3206.	7.0	60
87	The Role of Cell Density and Intratumoral Heterogeneity in Multidrug Resistance. <i>Cancer Research</i> , 2013, 73, 7168-7175.	0.9	59
88	Efficient Expression of Drug-selectable Genes in Retroviral Vectors Under Control of an Internal Ribosome Entry Site. <i>Nature Biotechnology</i> , 1994, 12, 694-698.	17.5	58
89	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.	0.9	55
90	Tariquidar Is an Inhibitor and Not a Substrate of Human and Mouse P-glycoprotein. <i>Drug Metabolism and Disposition</i> , 2016, 44, 275-282.	3.3	54

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91	Molecular manipulations of the multidrug transporter: a new role for transgenic mice <sup>1</sup>. FASEB Journal, 1991, 5, 2523-2528.	0.5	53
92	Endocytic Recycling Compartments Altered in Cisplatin-Resistant Cancer Cells. Cancer Research, 2006, 66, 2346-2353.	0.9	53
93	A Dual-Fluorescence High-Throughput Cell Line System for Probing Multidrug Resistance. Assay and Drug Development Technologies, 2009, 7, 233-249.	1.2	53
94	Verapamil enhances the toxicity of conjugates of epidermal growth factor with Pseudomonas exotoxin and antitransferrin receptor with pseudomonas exotoxin. Journal of Cellular Physiology, 1984, 120, 271-279.	4.1	52
95	Trafficking and localization of platinum complexes in cisplatin-resistant cell lines monitored by fluorescence-labeled platinum. Journal of Cellular Physiology, 2005, 202, 635-641.	4.1	52
96	Lysosomal trapping of a radiolabeled substrate of P-glycoprotein as a mechanism for signal amplification in PET. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2593-2598.	7.1	50
97	Model systems for studying the blood-brain barrier: Applications and challenges. Biomaterials, 2019, 214, 119217.	11.4	50
98	Genetic evidence that a phorbol ester tumor promoter stimulates ornithine decarboxylase activity by a pathway that is independent of cyclic AMP-dependent protein kinases in CHO cells. Journal of Cellular Physiology, 1982, 113, 433-439.	4.1	48
99	Impact of Intertumoral Heterogeneity on Predicting Chemotherapy Response of BRCA1-Deficient Mammary Tumors. Cancer Research, 2012, 72, 2350-2361.	0.9	48
100	Comparison of Drug Transporter Levels in Normal Colon, Colon Cancer, and Caco-2 Cells: Impact on Drug Disposition and Discovery. Molecular Pharmaceutics, 2006, 3, 87-93.	4.6	45
101	High Cloning Capacity of In Vitro Packaged SV40 Vectors with No SV40 Virus Sequences. Human Gene Therapy, 2003, 14, 167-177.	2.7	43
102	New Potent Verapamil Derivatives that Reverse Multidrug Resistance in Human Renal Carcinoma Cells and in Transgenic Mice Expressing the Human MDR 1 Gene. Journal of Urology, 1991, 146, 447-453.	0.4	41
103	Evaluation of current methods used to analyze the expression profiles of ATP-binding cassette transporters yields an improved drug-discovery database. Molecular Cancer Therapeutics, 2009, 8, 2057-2066.	4.1	41
104	<i>N</i>-desmethyl-Loperamide Is Selective for P-Glycoprotein among Three ATP-Binding Cassette Transporters at the Blood-Brain Barrier. Drug Metabolism and Disposition, 2010, 38, 917-922.	3.3	40
105	Bioluminescent imaging of drug efflux at the blood-brain barrier mediated by the transporter ABCG2. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20801-20806.	7.1	40
106	The Impact of Cell Density and Mutations in a Model of Multidrug Resistance in Solid Tumors. Bulletin of Mathematical Biology, 2014, 76, 627-653.	1.9	40
107	Heterogeneity in refractory acute myeloid leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10494-10503.	7.1	40
108	Defeating drug resistance in cancer. Discovery Medicine, 2006, 6, 18-23.	0.5	40

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109	Retroviral transfer of a chimeric multidrug resistance-adenosine deaminase gene. <i>FASEB Journal</i> , 1990, 4, 1501-1507.	0.5	39
110	Drug selection with paclitaxel restores expression of linked IL-2 receptor $\alpha$ -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, 3123-3128.	7.1	39
111	Multidrug resistance in relapsed acute myeloid leukemia: Evidence of biological heterogeneity. <i>Cancer</i> , 2013, 119, 3076-3083.	4.1	39
112	Porphyrin-lipid assemblies and nanovesicles overcome ABC transporter-mediated photodynamic therapy resistance in cancer cells. <i>Cancer Letters</i> , 2019, 457, 110-118.	7.2	39
113	In Vitro-Packaged SV40 Pseudovirions as Highly Efficient Vectors for Gene Transfer. <i>Human Gene Therapy</i> , 2002, 13, 299-310.	2.7	38
114	Transfer of genes to chinese hamster ovary cells by DNA-mediated transformation. <i>Somatic Cell Genetics</i> , 1982, 8, 23-39.	2.7	37
115	Characterization by somatic cell genetics of a monoclonal antibody to the MDR1 gene product (P-glycoprotein): Determination of p-glycoprotein expression in multi-drug-resistant kb and cem cell variants. <i>International Journal of Cancer</i> , 1991, 47, 533-543.	5.1	37
116	Inhibition of Glutathione Peroxidase Mediates the Collateral Sensitivity of Multidrug-resistant Cells to Tiopronin. <i>Journal of Biological Chemistry</i> , 2014, 289, 21473-21489.	3.4	37
117	The Protein Phosphatase 2A Inhibitor LB100 Sensitizes Ovarian Carcinoma Cells to Cisplatin-Mediated Cytotoxicity. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 90-100.	4.1	36
118	Gene Transfer of Drug Resistance Genes Implications for Cancer Therapy. <i>Annals of the New York Academy of Sciences</i> , 1994, 716, 126-143.	3.8	35
119	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, 1450-1459.	2.3	35
120	Collateral Sensitivity of Multidrug-Resistant Cells to the Orphan Drug Tiopronin. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4987-4997.	6.4	35
121	Overcoming multidrug resistance in cancer: 35 years after the discovery of ABCB1. <i>Drug Resistance Updates</i> , 2012, 15, 2-4.	14.4	35
122	Regulation and Expression of the ATP-Binding Cassette Transporter ABCG2 in Human Embryonic Stem Cells. <i>Stem Cells</i> , 2012, 30, 2175-2187.	3.2	35
123	Pseudomonas Exotoxin Conjugated to Monoclonal Antibody MRK16 Specifically Kills Multidrug Resistant Cells in Cultured Renal Carcinomas and In Mdr-Transgenic Mice. <i>Journal of Urology</i> , 1993, 149, 174-178.	0.4	34
124	ATP and GTP as alternative energy sources for vinblastine transport by P-170 in KB-V1 plasma membrane vesicles. <i>FEBS Letters</i> , 1992, 304, 256-260.	2.8	33
125	Elevated expression of TMEM205, a hypothetical membrane protein, is associated with cisplatin resistance. <i>Journal of Cellular Physiology</i> , 2010, 225, 822-828.	4.1	33
126	Pluripotent Stem Cell Platforms for Drug Discovery. <i>Trends in Molecular Medicine</i> , 2018, 24, 805-820.	6.7	33



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127	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.	3.0	31
128	Clinical Relevance of Multidrug Resistance Gene Expression in Ovarian Serous Carcinoma Effusions. <i>Molecular Pharmaceutics</i> , 2011, 8, 2080-2088.	4.6	31
129	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.	0.9	31
130	Reduced mRNA levels for the multidrug-resistance genes in cAMP-dependent protein kinase mutant cell lines. <i>Journal of Cellular Physiology</i> , 1992, 152, 87-94.	4.1	30
131	Multidrug resistant transgenic mice as a novel pharmacologic tool. <i>BioEssays</i> , 1991, 13, 381-387.	2.5	29
132	Identification of Cytoskeletal [ <sup>14</sup> C]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.	2.3	29
133	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, 1383-1388.	2.3	29
134	P-Glycoprotein is not present in mitochondrial membranes. <i>Experimental Cell Research</i> , 2007, 313, 3100-3105.	2.6	29
135	Modeling intrinsic heterogeneity and growth of cancer cells. <i>Journal of Theoretical Biology</i> , 2015, 367, 262-277.	1.7	29
136	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, 2882-2890.	0.9	28
137	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.	7.1	28
138	RAB8 Enhances TMEM205-Mediated Cisplatin Resistance. <i>Pharmaceutical Research</i> , 2012, 29, 643-650.	3.5	27
139	Detection of Multidrug Resistance (MDR1) Gene RNA Expression in Human Tumors by a Sensitive Ribonuclease Protection Assay. <i>Japanese Journal of Cancer Research</i> , 1989, 80, 1127-1132.	1.7	26
140	A pleiotropic defect reducing drug accumulation in cisplatin-resistant cells. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 1599-1606.	3.5	26
141	A role for ceramide glycosylation in resistance to oxaliplatin in colorectal cancer. <i>Experimental Cell Research</i> , 2020, 388, 111860.	2.6	26
142	Changes in biophysical parameters of plasma membranes influence cisplatin resistance of sensitive and resistant epidermal carcinoma cells. <i>Experimental Cell Research</i> , 2004, 293, 283-291.	2.6	25
143	Multidrug transporters: recent insights from cryo-electron microscopy-derived atomic structures and animal models. <i>F1000Research</i> , 2020, 9, 17.	1.6	25
144	Microfabricated polymeric vessel mimetics for 3-D cancer cell culture. <i>Biomaterials</i> , 2013, 34, 8301-8313.	11.4	23

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145	The Role of Abcb5 Alleles in Susceptibility to Haloperidol-Induced Toxicity in Mice and Humans. <i>PLoS Medicine</i> , 2015, 12, e1001782.	8.4	23
146	Contributions of microRNA dysregulation to cisplatin resistance in adenocarcinoma cells. <i>Experimental Cell Research</i> , 2013, 319, 566-574.	2.6	22
147	Expression of the multidrug transporter P-glycoprotein is inversely related to that of apoptosis-associated endogenous TRAIL. <i>Experimental Cell Research</i> , 2015, 336, 318-328.	2.6	22
148	A High-Throughput Screen of a Library of Therapeutics Identifies Cytotoxic Substrates of P-glycoprotein. <i>Molecular Pharmacology</i> , 2019, 96, 629-640.	2.3	22
149	A Gene Expression Signature Associated with Overall Survival in Patients with Hepatocellular Carcinoma Suggests a New Treatment Strategy. <i>Molecular Pharmacology</i> , 2016, 89, 263-272.	2.3	21
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