

Revisiting the role of ABC transporters in multidrug-res

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Citation Report

#	ARTICLE	IF	CITATIONS
1	P-glycoprotein targeted photodynamic therapy of chemoresistant tumors using recombinant Fab fragment conjugates. <i>Biomaterials Science</i> , 2018, 6, 3063-3074.	5.4	11
2	Polymeric nanovesicles as simultaneous delivery platforms with doxorubicin conjugation and elacridar encapsulation for enhanced treatment of multidrug-resistant breast cancer. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7521-7529.	5.8	15
3	Physical blood-brain barrier disruption induced by focused ultrasound does not overcome the transporter-mediated efflux of erlotinib. <i>Journal of Controlled Release</i> , 2018, 292, 210-220.	9.9	37
4	Long Non-Coding RNA XLOC_006753 Promotes the Development of Multidrug Resistance in Gastric Cancer Cells Through the PI3K/AKT/mTOR Signaling Pathway. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 1221-1236.	1.6	46
5	The 150 most important questions in cancer research and clinical oncology series: questions 94–101. <i>Cancer Communications</i> , 2018, 38, 1-9.	9.2	9
6	pH-Sensitive Poly(β -amino ester)s Nanocarriers Facilitate the Inhibition of Drug Resistance in Breast Cancer Cells. <i>Nanomaterials</i> , 2018, 8, 952.	4.1	51
7	Modulating ROS to overcome multidrug resistance in cancer. <i>Drug Resistance Updates</i> , 2018, 41, 1-25.	14.4	420
8	ATP-Binding Cassette Transporters in the Clinical Implementation of Pharmacogenetics. <i>Journal of Personalized Medicine</i> , 2018, 8, 40.	2.5	9
9	Transporter and Lysosomal Mediated (Multi)drug Resistance to Tyrosine Kinase Inhibitors and Potential Strategies to Overcome Resistance. <i>Cancers</i> , 2018, 10, 503.	3.7	44
10	P-glycoprotein-targeted photodynamic therapy boosts cancer nanomedicine by priming tumor microenvironment. <i>Theranostics</i> , 2018, 8, 6274-6290.	10.0	34
11	ABCC10 Plays a Significant Role in the Transport of Gefitinib and Contributes to Acquired Resistance to Gefitinib in NSCLC. <i>Frontiers in Pharmacology</i> , 2018, 9, 1312.	3.5	32
12	Perturbing the Dynamics and Organization of Cell Membrane Components: A New Paradigm for Cancer-Targeted Therapies. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3871.	4.1	74
13	Targeting P-Glycoprotein: Nelfinavir Reverses Adriamycin Resistance in K562/ADR Cells. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 1616-1631.	1.6	21
14	Differing Roles of Hyaluronan Molecular Weight on Cancer Cell Behavior and Chemotherapy Resistance. <i>Cancers</i> , 2018, 10, 482.	3.7	54
15	Olmudinib (BI1482694/HM61713), a Novel Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitor, Reverses ABCG2-Mediated Multidrug Resistance in Cancer Cells. <i>Frontiers in Pharmacology</i> , 2018, 9, 1097.	3.5	47
16	Alpha2beta1 Integrin (VLA-2) Protects Activated Human Effector T Cells From Methotrexate-Induced Apoptosis. <i>Frontiers in Immunology</i> , 2018, 9, 2269.	4.8	6
17	Reconstituted HDL: Drug Delivery Platform for Overcoming Biological Barriers to Cancer Therapy. <i>Frontiers in Pharmacology</i> , 2018, 9, 1154.	3.5	47
18	FK506 Attenuates the MRP1-Mediated Chemoresistant Phenotype in Glioblastoma Stem-Like Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2697.	4.1	16

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19	P-Glycoprotein-Targeted Photothermal Therapy of Drug-Resistant Cancer Cells Using Antibody-Conjugated Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33464-33473.	8.0	60
20	Cariprazine, A Dopamine D2/D3 Receptor Partial Agonist, Modulates ABCG2-Mediated Multidrug Resistance in Cancer. <i>Cancers</i> , 2018, 10, 308.	3.7	8
21	A nanomedicine approach enables co-delivery of cyclosporin A and gefitinib to potentiate the therapeutic efficacy in drug-resistant lung cancer. <i>Signal Transduction and Targeted Therapy</i> , 2018, 3, 16.	17.1	71
22	Intracellular self-disassemble polysaccharide nanoassembly for multi-factors tumor drug resistance modulation of doxorubicin. <i>Biomaterials Science</i> , 2018, 6, 2527-2540.	5.4	31
23	P-glycoprotein targeted and near-infrared light-guided depletion of chemoresistant tumors. <i>Journal of Controlled Release</i> , 2018, 286, 289-300.	9.9	18
24	The Effects of Synthetically Modified Natural Compounds on ABC Transporters. <i>Pharmaceutics</i> , 2018, 10, 127.	4.5	19
25	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.	3.3	21
26	A biotinylated ruthenium(II) photosensitizer for tumor-targeted two-photon photodynamic therapy. <i>Chemical Communications</i> , 2019, 55, 10972-10975.	4.1	42
27	Conformation space of a heterodimeric ABC exporter under turnover conditions. <i>Nature</i> , 2019, 571, 580-583.	27.8	185
28	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.	4.4	29
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30	Abcc5 Knockout Mice Have Lower Fat Mass and Increased Levels of Circulating GLP-1. <i>Obesity</i> , 2019, 27, 1292-1304.	3.0	11
31	Dual drug-paired polyprodrug nanotheranostics reverse multidrug resistant cancers via mild photothermal-cocktail chemotherapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5306-5319.	5.8	20
32	Approaches to CNS Drug Delivery with a Focus on Transporter-Mediated Transcytosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3108.	4.1	61
33	Implication for Cancer Stem Cells in Solid Cancer Chemo-Resistance: Promising Therapeutic Strategies Based on the Use of HDAC Inhibitors.. <i>Journal of Clinical Medicine</i> , 2019, 8, 912.	2.4	36
34	ABCB1 protects bat cells from DNA damage induced by genotoxic compounds. <i>Nature Communications</i> , 2019, 10, 2820.	12.8	28
35	Fibroblasts in cancer: Defining target structures for therapeutic intervention. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019, 1872, 111-121.	7.4	14
36	Reversal of Multidrug Resistance in Cancer by Multi-Functional Flavonoids. <i>Frontiers in Oncology</i> , 2019, 9, 487.	2.8	108

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37	Doxorubicin derivative loaded acetal-PEG-PCCL micelles for overcoming multidrug resistance in MCF-7/ADR cells. <i>Drug Development and Industrial Pharmacy</i> , 2019, 45, 1556-1564.	2.0	7
38	The Role of ATP-Binding Cassette Transporters in the Chemoresistance of Anaplastic Thyroid Cancer: A Systematic Review. <i>Endocrinology</i> , 2019, 160, 2015-2023.	2.8	23
39	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.	0.5	21
40	pH and redox dual-responsive nanoparticles based on disulfide-containing poly(^l 2-amino ester) for combining chemotherapy and COX-2 inhibitor to overcome drug resistance in breast cancer. <i>Journal of Nanobiotechnology</i> , 2019, 17, 109.	9.1	51
41	Extracellular vesicles as a novel source of biomarkers in liquid biopsies for monitoring cancer progression and drug resistance. <i>Drug Resistance Updates</i> , 2019, 47, 100647.	14.4	104
42	Antitumor Activity of Abnormal Cannabidiol and Its Analog O-1602 in Taxol-Resistant Preclinical Models of Breast Cancer. <i>Frontiers in Pharmacology</i> , 2019, 10, 1124.	3.5	39
43	Novel association between heterozygous genotype of single nucleotide polymorphism C218T in drug transporter <i>ABCC1</i> gene and increased risk of colon cancer. <i>Journal of King Abdulaziz University, Islamic Economics</i> , 2019, 40, 224-229.	1.1	1
44	Targeting amphiregulin (AREG) derived from senescent stromal cells diminishes cancer resistance and averts programmed cell death 1 ligand (PD-L1)-mediated immunosuppression. <i>Aging Cell</i> , 2019, 18, e13027.	6.7	79
45	The opportunistic effect of exosomes on Non-Hodgkin Lymphoma microenvironment modulation. <i>Critical Reviews in Oncology/Hematology</i> , 2019, 144, 102825.	4.4	9
46	CYP3A5 is unlikely to mediate anticancer drug resistance in hepatocellular carcinoma. <i>Pharmacogenomics</i> , 2019, 20, 1085-1092.	1.3	2
47	Incorporation of doxorubicin in different polymer nanoparticles and their anticancer activity. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 2062-2072.	2.8	20
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49	Current trends in drug metabolism and pharmacokinetics. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 1113-1144.	12.0	147
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56	What sustains the multidrug resistance phenotype beyond ABC efflux transporters? Looking beyond the tip of the iceberg. <i>Drug Resistance Updates</i> , 2019, 46, 100643.	14.4	52
57	Highlights in Resistance Mechanism Pathways for Combination Therapy. <i>Cells</i> , 2019, 8, 1013.	4.1	51
58	Clinical Significance of ABCB1 in Acute Myeloid Leukemia: A Comprehensive Study. <i>Cancers</i> , 2019, 11, 1323.	3.7	26
59	Doxorubicin-loaded human serum albumin nanoparticles overcome transporter-mediated drug resistance in drug-adapted cancer cells. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1707-1715.	2.8	48
60	Programmed degradation of a hierarchical nanoparticle with redox and light responsivity for self-activated photo-chemical enhanced chemodynamic therapy. <i>Biomaterials</i> , 2019, 224, 119498.	11.4	99
61	The multi-factorial nature of clinical multidrug resistance in cancer. <i>Drug Resistance Updates</i> , 2019, 46, 100645.	14.4	324
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66	Design and synthesis of parthenolide and 5-fluorouracil conjugates as potential anticancer agents against drug resistant hepatocellular carcinoma. <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111706.	5.5	27
67	Cellular polarity modulates drug resistance in primary colorectal cancers via orientation of the multidrug resistance protein ABCB1. <i>Journal of Pathology</i> , 2019, 247, 293-304.	4.5	9
68	Inhibition of ABCB1 and ABCG2 at the Mouse Bloodâ€‘Brain Barrier with Marketed Drugs To Improve Brain Delivery of the Model ABCB1/ABCG2 Substrate [¹¹ C]erlotinib. <i>Molecular Pharmaceutics</i> , 2019, 16, 1282-1293.	4.6	20
69	Peripheral Lymphocyte Multidrug Resistance Activity as a Predictive Tool of Biological Therapeutic Response in Rheumatoid Arthritis. <i>Journal of Rheumatology</i> , 2019, 46, 572-578.	2.0	2
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71	Ivermectin reverses the drug resistance in cancer cells through EGFR/ERK/Akt/NF- κ B pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 265.	8.6	65
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74	Unravelling the covalent binding of zampanolide and taccalonolide A1 to a minimalist representation of a human microtubule. <i>Journal of Computer-Aided Molecular Design</i> , 2019, 33, 627-644.	2.9	11
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76	Comparison of LC-MS/MS-based targeted proteomics and conventional analytical methods for monitoring breast cancer resistance protein expression. <i>Life Sciences</i> , 2019, 231, 116548.	4.3	8
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78	The Role of Extracellular Vesicles as Modulators of the Tumor Microenvironment, Metastasis and Drug Resistance in Colorectal Cancer. <i>Cancers</i> , 2019, 11, 746.	3.7	42
79	Elucidation of the Differences in Cinobufotalin's Pharmacokinetics Between Normal and Diethylnitrosamine-Injured Rats: The Role of P-Glycoprotein. <i>Frontiers in Pharmacology</i> , 2019, 10, 521.	3.5	6
80	What "The Cancer Genome Atlas" database tells us about the role of ATP-binding cassette (ABC) proteins in chemoresistance to anticancer drugs. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2019, 15, 577-593.	3.3	23
81	Inhibition of ATP binding cassette transporter B1 sensitizes human hair follicles to chemotherapy-induced damage. <i>Journal of Dermatological Science</i> , 2019, 95, 44-47.	1.9	2
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83	Integrated high-throughput analysis identifies super enhancers associated with chemoresistance in SCLC. <i>BMC Medical Genomics</i> , 2019, 12, 67.	1.5	12
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88	Tepotinib reverses ABCB1-mediated multidrug resistance in cancer cells. <i>Biochemical Pharmacology</i> , 2019, 166, 120-127.	4.4	52
89	An updated patent review on P-glycoprotein inhibitors (2011-2018). <i>Expert Opinion on Therapeutic Patents</i> , 2019, 29, 455-461.	5.0	49
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92	Interactions of Alectinib with Human ATP-Binding Cassette Drug Efflux Transporters and Cytochrome P450 Biotransformation Enzymes: Effect on Pharmacokinetic Multidrug Resistance. <i>Drug Metabolism and Disposition</i> , 2019, 47, 699-709.	3.3	15
93	Strategizing biodegradable polymeric nanoparticles to cross the biological barriers for cancer targeting. <i>International Journal of Pharmaceutics</i> , 2019, 565, 509-522.	5.2	75
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95	Beta1 integrin blockade overcomes doxorubicin resistance in human T-cell acute lymphoblastic leukemia. <i>Cell Death and Disease</i> , 2019, 10, 357.	6.3	25
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99	Inhibitors of Human ABCG2: From Technical Background to Recent Updates With Clinical Implications. <i>Frontiers in Pharmacology</i> , 2019, 10, 208.	3.5	99
100	Intracellular concentration and transporters in imatinib resistance of gastrointestinal stromal tumor. <i>Scandinavian Journal of Gastroenterology</i> , 2019, 54, 220-226.	1.5	10
101	Tumor selective uptake of drug-nanodiamond complexes improves therapeutic outcome in pancreatic cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 18, 112-121.	3.3	31
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104	Cancer-associated fibroblasts-derived IL-8 mediates resistance to cisplatin in human gastric cancer. <i>Cancer Letters</i> , 2019, 454, 37-43.	7.2	161
105	Pt nanozyme for O₂ self-sufficient, tumor-specific oxidative damage and drug resistance reversal. <i>Nanoscale Horizons</i> , 2019, 4, 1124-1131.	8.0	48
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107	Extracellular vesicles-mediated intercellular communication: roles in the tumor microenvironment and anti-cancer drug resistance. <i>Molecular Cancer</i> , 2019, 18, 55.	19.2	304
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111	Dimeric ferrochelatase bridges ABCB7 and ABCB10 homodimers in an architecturally defined molecular complex required for heme biosynthesis. <i>Haematologica</i> , 2019, 104, 1756-1767.	3.5	40
112	Unraveling "The Cancer Genome Atlas"™ information on the role of SLC transporters in anticancer drug uptake. <i>Expert Review of Clinical Pharmacology</i> , 2019, 12, 329-341.	3.1	19
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118	Quantitative Proteome Landscape of the NCI-60 Cancer Cell Lines. <i>IScience</i> , 2019, 21, 664-680.	4.1	52
119	The ABCG2 multidrug transporter is a pump gated by a valve and an extracellular lid. <i>Nature Communications</i> , 2019, 10, 5433.	12.8	44
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124	Comparison of UPLC-MS/MS-based targeted quantitation and conventional quantitative methods for the analysis of MRP1 expression in tumor cell lines. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1109, 10-18.	2.3	2
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135	In vivo characterization of [18F]AVT-011 as a radiotracer for PET imaging of multidrug resistance. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2026-2035.	6.4	3
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137	Molecular profiles of BRCA1-associated ovarian cancer treated by platinum-based therapy: Analysis of primary, residual and relapsed tumors. International Journal of Cancer, 2020, 146, 1879-1888.	5.1	18
138	Mycoplasma Infection Mediates Sensitivity of Multidrug-Resistant Cell Lines to Tiopronin: A Cautionary Tale. Journal of Medicinal Chemistry, 2020, 63, 1434-1439.	6.4	4
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140	Personalized detection of circling exosomal PD-L1 based on Fe3O4@TiO2 isolation and SERS immunoassay. Biosensors and Bioelectronics, 2020, 148, 111800.	10.1	150
141	Functional relevance of the multi-drug transporter abcg2 on teriflunomide therapy in an animal model of multiple sclerosis. Journal of Neuroinflammation, 2020, 17, 9.	7.2	7
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1114	Pemigatinib, a selective FGFR inhibitor overcomes ABCB1-mediated multidrug resistance in cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2024, 691, 149314.	2.1	0
1115	Bidirectional interplay between metabolism andÂepigenetics in hematopoietic stem cells andÂleukemia. <i>EMBO Journal</i> , 2023, 42, .	7.8	0
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1118	Oncofetal reprogramming in tumor development and progression: novel insights into cancer therapy. <i>MedComm</i> , 2023, 4, .	7.2	1
1119	<scp>Selfâ€Assembled</scp> nanoparticles of natural bioactive molecules enhance the delivery and efficacy of paclitaxel in glioblastoma. <i>CNS Neuroscience and Therapeutics</i> , 0, , .	3.9	1
1120	Epidermal Growth Factor Receptor Inhibitor Mobocertinib Resensitizes Multidrug-Resistant Cancer Cells by Attenuating the Human ATP-Binding Cassette Subfamily B Member 1 and Subfamily G Member 2. <i>ACS Pharmacology and Translational Science</i> , 0, , .	4.9	0
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1124	Nanotechnology and curcumin: a novel and promising approach in digestive cancer therapy. <i>Nanomedicine</i> , 2023, 18, 2081-2099.	3.3	1
1125	Neovascularization directed by CAVIN1/CCBE1/VEGFC confers TMZ-resistance in glioblastoma. <i>Cancer Letters</i> , 2024, 582, 216593.	7.2	0
1126	Structure-based discovery of novel P-glycoprotein inhibitors targeting the nucleotide binding domains. <i>Scientific Reports</i> , 2023, 13, .	3.3	1
1127	Advances in Diagnostic Tools and Therapeutic Approaches for Gliomas: A Comprehensive Review. <i>Sensors</i> , 2023, 23, 9842.	3.8	4
1128	Dissimilar Effect of P-Glycoprotein and Breast Cancer Resistance Protein Inhibition on the Distribution of Erlotinib to the Retina and Brain in Humans and Mice. <i>Molecular Pharmaceutics</i> , 2023, 20, 5877-5887.	4.6	0
1129	Mint3-depletion-induced energy stress sensitizes triple-negative breast cancer to chemotherapy via HSF1 inactivation. <i>Cell Death and Disease</i> , 2023, 14, .	6.3	0
1130	Progress in characterizing ABC multidrug transporters in zebrafish. <i>Drug Resistance Updates</i> , 2024, 72, 101035.	14.4	1

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1132	Coadministration of ABCB1/P-glycoprotein inhibitor elacridar improves tissue distribution of ritonavir-boosted oral cabazitaxel in mice. <i>International Journal of Pharmaceutics</i> , 2023, , 123708.	5.2	0
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1142	Imperatorin-Loaded RH60/mPEGâ€“PLLA Micelles for Reversing Tamoxifen Resistance in Breast Cancer. <i>ACS Applied Nano Materials</i> , 2024, 7, 1625-1635.	5.0	0
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1173	<scp>NAT10</scp>–mediated <scp>mRNA N4</scp>–acetylcytidine modification of <scp>MDR1</scp> and <scp>BCRP</scp> promotes breast cancer progression. <i>Thoracic Cancer</i> , 2024, 15, 820-829.	1.9	0
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1176	PLA2G4A and ACHE modulate lipid profiles via glycerophospholipid metabolism in platinum-resistant gastric cancer. <i>Journal of Translational Medicine</i> , 2024, 22, .	4.4	0
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