

# Amit K Tiwari

## List of Publications by Year in descending order

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111  
papers

4,743  
citations

134610

34  
h-index

116156

66  
g-index

113  
all docs

113  
docs citations

113  
times ranked

6797  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Validity of Mobile Applications to Facilitate Patient Care Provided to Cancer Patients: Opportunities and Limitations. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2022, 17, 204-213.	0.8	1
2	Niosomal formulation of hydroxytyrosol, a polyphenolic antioxidant, for enhancing transdermal delivery across human cadaver skin. <i>Pharmaceutical Development and Technology</i> , 2022, , 1-9.	1.1	1
3	Automated detection of apoptotic versus nonapoptotic cell death using label-free computational microscopy. <i>Journal of Biophotonics</i> , 2022, 15, .	1.1	12
4	Intravenous immunoglobulin: A potential treatment for the post-acute sequelae of SARS-Cov-2 infection?. <i>Bosnian Journal of Basic Medical Sciences</i> , 2022, , .	0.6	3
5	m6A modification: recent advances, anticancer targeted drug discovery and beyond. <i>Molecular Cancer</i> , 2022, 21, 52.	7.9	138
6	Histone deacetylase inhibitor-based oncolytic virotherapy: A promising strategy for cancer treatment. <i>Drug Discovery Today</i> , 2022, 27, 1689-1697.	3.2	5
7	Recent Advancements of Stimuli-Responsive Targeted Liposomal Formulations for Cancer Drug Delivery. <i>Pharmaceutical Nanotechnology</i> , 2022, 10, 3-23.	0.6	4
8	The expression profiles of chemokines, innate immune and apoptotic genes in tumors caused by Rous Sarcoma Virus (RSV-A) in chickens. <i>Genes and Immunity</i> , 2022, 23, 12-22.	2.2	0
9	Recent Advances in Lipid-Based Nanovesicular Delivery Systems for Melanoma Therapy. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2021, 38, 1-38.	1.2	7
10	Alternative approaches to overcome chemoresistance to apoptosis in cancer. <i>Advances in Protein Chemistry and Structural Biology</i> , 2021, 126, 91-122.	1.0	13
11	Resveratrol-loaded nanomedicines for cancer applications. <i>Cancer Reports</i> , 2021, 4, e1353.	0.6	74
12	Biomimetic Microfluidic Platforms for the Assessment of Breast Cancer Metastasis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 633671.	2.0	16
13	A Novel Thienopyrimidine Analog, TPH104, Mediates Immunogenic Cell Death in Triple-Negative Breast Cancer Cells. <i>Cancers</i> , 2021, 13, 1954.	1.7	11
14	Bruton's Tyrosine Kinase Targeting in Multiple Myeloma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5707.	1.8	13
15	Transdermal Delivery of Chemotherapeutics: Strategies, Requirements, and Opportunities. <i>Pharmaceutics</i> , 2021, 13, 960.	2.0	25
16	The role of endolysosomal trafficking in anticancer drug resistance. <i>Drug Resistance Updates</i> , 2021, 57, 100769.	6.5	23
17	Antiproliferative Efficacy of N-(3-chloro-4-fluorophenyl)-6,7-dimethoxyquinazolin-4-amine, DW-8, in Colon Cancer Cells Is Mediated by Intrinsic Apoptosis. <i>Molecules</i> , 2021, 26, 4417.	1.7	3
18	The interaction of the bioflavonoids with five SARS-CoV-2 proteins targets: An in silico study. <i>Computers in Biology and Medicine</i> , 2021, 134, 104464.	3.9	9

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19	A Novel Dialkylamino-Functionalized Chalcone, DML6, Inhibits Cervical Cancer Cell Proliferation, In Vitro, via Induction of Oxidative Stress, Intrinsic Apoptosis and Mitotic Catastrophe. <i>Molecules</i> , 2021, 26, 4214.	1.7	3
20	Novel stilbene scaffolds efficiently target Mycobacterium tuberculosis nucleoid-associated protein, HU. <i>New Journal of Chemistry</i> , 2021, 45, 10683-10692.	1.4	1
21	The use of zebrafish model in prostate cancer therapeutic development and discovery. <i>Cancer Chemotherapy and Pharmacology</i> , 2021, 87, 311-325.	1.1	5
22	Strategies for the integration of foundational and clinical sciences in doctor of pharmacy programs. <i>JACCP Journal of the American College of Clinical Pharmacy</i> , 2021, 4, 1307-1314.	0.5	0
23	Transformative Approaches to Improve Chemotherapy for Difficult to Treat Solid Tumors. <i>Current Pharmaceutical Design</i> , 2021, 27, 4649-4649.	0.9	0
24	Infectious Keratitis: An Update on Role of Epigenetics. <i>Frontiers in Immunology</i> , 2021, 12, 765890.	2.2	6
25	CCR5 and responses to cocaine: Addiction is not just about the brain. <i>Brain, Behavior, and Immunity</i> , 2020, 84, 8-9.	2.0	1
26	Stability-indicating HPLC method for acyclovir and lidocaine in topical formulations. <i>Biomedical Chromatography</i> , 2020, 34, e4751.	0.8	15
27	Amide Bond Bioisosteres: Strategies, Synthesis, and Successes. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12290-12358.	2.9	261
28	Identification of Cardiac Glycosides as Novel Inhibitors of eIF4A1-Mediated Translation in Triple-Negative Breast Cancer Cells. <i>Cancers</i> , 2020, 12, 2169.	1.7	20
29	Role of eIF4A1 in triple-negative breast cancer stem-like cell-mediated drug resistance. <i>Cancer Reports</i> , 2020, , e1299.	0.6	4
30	Fluorinated diphenylalanine analogue based supergelators: a stencil that accentuates the sustained release of antineoplastic drugs. <i>Supramolecular Chemistry</i> , 2020, 32, 495-507.	1.5	7
31	Evaluation of Cytotoxicity and Taste-Masking Effect of Selected Flavors on Dental Lidocaine HCl Injection. <i>Pharmaceuticals</i> , 2020, 13, 353.	1.7	2
32	Co-Delivery of Hispolon and Doxorubicin Liposomes Improves Efficacy Against Melanoma Cells. <i>AAPS PharmSciTech</i> , 2020, 21, 304.	1.5	15
33	Mechanoresponsive, proteolytically stable and biocompatible supergelators from ultra short enantiomeric peptides with sustained drug release propensity. <i>New Journal of Chemistry</i> , 2020, 44, 6346-6354.	1.4	11
34	Editorial: The Role of Breast Cancer Stem Cells in Clinical Outcomes. <i>Frontiers in Oncology</i> , 2020, 10, 299.	1.3	12
35	Alternatives to Biological Skin in Permeation Studies: Current Trends and Possibilities. <i>Pharmaceutics</i> , 2020, 12, 152.	2.0	190
36	Novel Chrysin-De-Allyl PAC-1 Hybrid Analogues as Anticancer Compounds: Design, Synthesis, and Biological Evaluation. <i>Molecules</i> , 2020, 25, 3063.	1.7	10

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37	Edaravone: A potential treatment for the COVID-19-induced inflammatory syndrome?. <i>Pharmacological Research</i> , 2020, 160, 105055.	3.1	5
38	Potential Use of Sofosbuvir in the Prophylaxis for Rabies. <i>Frontiers in Pharmacology</i> , 2020, 11, 472.	1.6	0
39	Flavonoids as Multi-Target Compounds: A Special Emphasis on their Potential as Chemo-adjuvants in Cancer Therapy. <i>Current Pharmaceutical Design</i> , 2020, 26, 1712-1728.	0.9	8
40	Alcohol and Cocaine Exposure Modulates ABCB1 and ABCG2 Transporters in Male Alcohol-Preferring Rats. <i>Molecular Neurobiology</i> , 2019, 56, 1921-1932.	1.9	9
41	Role of Ceramides in Drug Delivery. <i>AAPS PharmSciTech</i> , 2019, 20, 287.	1.5	6
42	Pharmaceutical Topical Delivery of Poorly Soluble Polyphenols: Potential Role in Prevention and Treatment of Melanoma. <i>AAPS PharmSciTech</i> , 2019, 20, 250.	1.5	28
43	Novel and Alternative Targets Against Breast Cancer Stemness to Combat Chemoresistance. <i>Frontiers in Oncology</i> , 2019, 9, 1003.	1.3	42
44	Unravelling the potency of 4,5-diamino-4 <i>H</i> -1,2,4 triazole-3-thiol derivatives for kinase inhibition using a rational approach. <i>New Journal of Chemistry</i> , 2019, 43, 1202-1215.	1.4	10
45	Rationally Designed Bioinspired <i>l</i> -Amino Valeric Acid Based Hydrogel: One Shot Solution for Drug Delivery and Effluent Management. <i>ChemistrySelect</i> , 2019, 4, 6896-6905.	0.7	8
46	Novel Thienopyrimidine Derivative, RP-010, Induces $\beta$ -Catenin Fragmentation and Is Efficacious against Prostate Cancer Cells. <i>Cancers</i> , 2019, 11, 711.	1.7	13
47	Novel 3-((2-chloroquinolin-3-yl)methylene)indolin-2-one derivatives produce anticancer efficacy in ovarian cancer in vitro. <i>Heliyon</i> , 2019, 5, e01603.	1.4	6
48	Preparation, Characterization, and In vitro Evaluation of Curcumin- and Resveratrol-Loaded Solid Lipid Nanoparticles. <i>AAPS PharmSciTech</i> , 2019, 20, 145.	1.5	54
49	Targeting of the Eukaryotic Translation Initiation Factor 4A Against Breast Cancer Stemness. <i>Frontiers in Oncology</i> , 2019, 9, 1311.	1.3	34
50	ABC Transporter-Mediated Multidrug-Resistant Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1141, 549-580.	0.8	150
51	Advances in Ultrasound Mediated Transdermal Drug Delivery. <i>Current Pharmaceutical Design</i> , 2019, 25, 413-423.	0.9	17
52	An auxin-tyrosine derivative based biocompatible supergelator: a template for fabrication of nanoparticles for sustained release of model drugs. <i>New Journal of Chemistry</i> , 2018, 42, 4915-4922.	1.4	12
53	Effects of consumption of whole grape powder on basal NF- $\kappa$ B signaling and inflammatory cytokine secretion in a mouse model of inflammation. <i>Journal of Nutrition &amp; Intermediary Metabolism</i> , 2018, 11, 1-8.	1.7	16
54	Selective dopamine D <sub>3</sub> receptor antagonism significantly attenuates stress-induced immobility in a rat model of post-traumatic stress disorder. <i>Synapse</i> , 2018, 72, e22035.	0.6	14

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55	Sofosbuvir: A Potential Treatment for Ebola. <i>Frontiers in Pharmacology</i> , 2018, 9, 1139.	1.6	1
56	Cariprazine, A Dopamine D2/D3 Receptor Partial Agonist, Modulates ABCG2-Mediated Multidrug Resistance in Cancer. <i>Cancers</i> , 2018, 10, 308.	1.7	8
57	1H-Pyrazolo[3,4-b]quinolin-3-amine derivatives inhibit growth of colon cancer cells via apoptosis and sub G1 cell cycle arrest. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2244-2249.	1.0	22
58	Bax/Tubulin/Epithelial-Mesenchymal Pathways Determine the Efficacy of Silybin Analog HM015k in Colorectal Cancer Cell Growth and Metastasis. <i>Frontiers in Pharmacology</i> , 2018, 9, 520.	1.6	12
59	Modulation of the ATP-Binding Cassette B1 Transporter by Neuro-Inflammatory Cytokines: Role in the Pathogenesis of Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2018, 9, 658.	1.6	16
60	Alkenones as a Promising Green Alternative for Waxes in Cosmetics and Personal Care Products. <i>Cosmetics</i> , 2018, 5, 34.	1.5	17
61	New camphor hybrids: lipophilic enhancement improves antimicrobial efficacy against drug-resistant pathogenic microbes and intestinal worms. <i>Medicinal Chemistry Research</i> , 2018, 27, 1728-1739.	1.1	7
62	Targeting dysregulated mitochondrial fission pathways in triple negative breast cancer therapy. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO2-10-26.	0.0	0
63	N-(1 H -Pyrazol-3-yl)quinazolin-4-amines as a novel class of casein kinase 1 $\beta$ inhibitors: Synthesis, biological evaluation and molecular modeling studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2663-2667.	1.0	10
64	Design and discovery of silybin analogues as antiproliferative compounds using a ring disjunctive "Based, natural product lead optimization approach. <i>European Journal of Medicinal Chemistry</i> , 2017, 133, 365-378.	2.6	22
65	The dopamine D 3 receptor antagonists PG01037, NGB2904, SB277011A, and U99194 reverse ABCG2 transporter-mediated drug resistance in cancer cell lines. <i>Cancer Letters</i> , 2017, 396, 167-180.	3.2	18
66	Thienopyrimidine derivatives exert their anticancer efficacy via apoptosis induction, oxidative stress and mitotic catastrophe. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 1053-1065.	2.6	41
67	Proteolysis-Resistant Self-Assembled Amino Acid Dipeptide-Based Biocompatible Hydrogels as Drug Delivery Vehicle. <i>ChemistrySelect</i> , 2017, 2, 6623-6631.	0.7	11
68	Cancer chemoprevention through dietary flavonoids: what's limiting?. <i>Chinese Journal of Cancer</i> , 2017, 36, 50.	4.9	139
69	2,3-Diaryl-3 H -imidazo[4,5- b ]pyridine derivatives as potential anticancer and anti-inflammatory agents. <i>Acta Pharmaceutica Sinica B</i> , 2017, 7, 73-79.	5.7	21
70	The Epigenomics of Embryonic Pathway Signaling in Colorectal Cancer. <i>Frontiers in Pharmacology</i> , 2017, 8, 267.	1.6	23
71	HM015k, a Novel Silybin Derivative, Multi-Targets Metastatic Ovarian Cancer Cells and Is Safe in Zebrafish Toxicity Studies. <i>Frontiers in Pharmacology</i> , 2017, 8, 498.	1.6	20
72	Polyphenolic Nutrients in Cancer Chemoprevention and Metastasis: Role of the Epithelial-to-Mesenchymal (EMT) Pathway. <i>Nutrients</i> , 2017, 9, 911.	1.7	80

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73	Pain in the management of opioid use disorder. <i>Journal of Pain Research</i> , 2016, Volume 9, 963-966.	0.8	2
74	Natural Polyphenols in Cancer Chemoresistance. <i>Nutrition and Cancer</i> , 2016, 68, 879-891.	0.9	48
75	Tackling multidrug resistance mediated by efflux transporters in tumor-initiating cells. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2016, 12, 633-644.	1.5	39
76	Pyrimido[1,2-a:3',4'-b]pyrazolo[3,4-b]quinolines: Novel compounds that reverse ABCG2-mediated resistance in cancer cells. <i>Cancer Letters</i> , 2016, 376, 118-126.	3.2	28
77	Antitumor activity of melinjo ( <i>Gnetum gnemon</i> L.) seed extract in human and murine tumor models in vitro and in a tumor-bearing mouse model in vivo. <i>Cancer Medicine</i> , 2015, 4, 1767-1780.	1.3	36
78	Proline-rich AKT substrate of 40-kDa (PRAS40) in the pathophysiology of cancer. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 161-166.	1.0	44
79	Stearidonic acid, a plant-based dietary fatty acid, enhances the chemosensitivity of canine lymphoid tumor cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 1002-1007.	1.0	12
80	Genetic ablation of PRAS40 improves glucose homeostasis via linking the AKT and mTOR pathways. <i>Biochemical Pharmacology</i> , 2015, 96, 65-75.	2.0	26
81	Design, synthesis and in vitro cell-based evaluation of the anti-cancer activities of hispolon analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2148-2158.	1.4	30
82	IND-2, a pyrimido[1,2-a:3',4'-b]pyrazolo[3,4-b]quinoline derivative, circumvents multi-drug resistance and causes apoptosis in colon cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 602-611.	1.4	38
83	Antibacterial Activity of Pomegranate, Orange and Lemon Peel Extracts Against Food-Borne Pathogens and Spoilage Bacteria In vitro and on Poultry Skin. <i>International Journal of Poultry Science</i> , 2015, 14, 229-239.	0.6	15
84	Sildenafil Enhances the Anticancer Activity of Paclitaxel in an ABCB1-Mediated Multidrug Resistance Xenograft Mouse Model. <i>Journal of Cancer Research Updates</i> , 2014, 3, 169-173.	0.3	1
85	PD173074, a selective FGFR inhibitor, reverses ABCB1-mediated drug resistance in cancer cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2013, 72, 189-199.	1.1	48
86	Nilotinib potentiates anticancer drug sensitivity in murine ABCB1-, ABCG2-, and ABCC10-multidrug resistance xenograft models. <i>Cancer Letters</i> , 2013, 328, 307-317.	3.2	106
87	Overlapping Functions of ABC Transporters in Topotecan Disposition as Determined in Gene Knockout Mouse Models. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 1343-1355.	1.9	15
88	Investigating the function of single nucleotide polymorphisms in the <i>CTSB</i> gene: a computational approach. <i>Future Neurology</i> , 2013, 8, 469-483.	0.9	5
89	BBA, a Synthetic Derivative of 23-hydroxybutulinic Acid, Reverses Multidrug Resistance by Inhibiting the Efflux Activity of MRP7 (ABCC10). <i>PLoS ONE</i> , 2013, 8, e74573.	1.1	13
90	Repurposing phosphodiesterase-5 inhibitors as chemoadjuvants. <i>Frontiers in Pharmacology</i> , 2013, 4, 82.	1.6	15

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91	Design, synthesis and biological evaluation of N-arylphenyl-2,2-dichloroacetamide analogues as anti-cancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 7268-7271.	1.0	18
92	OSI-930 analogues as novel reversal agents for ABCG2-mediated multidrug resistance. <i>Biochemical Pharmacology</i> , 2012, 84, 766-774.	2.0	22
93	GW583340 and GW2974, human EGFR and HER-2 inhibitors, reverse ABCG2- and ABCB1-mediated drug resistance. <i>Biochemical Pharmacology</i> , 2012, 83, 1613-1622.	2.0	62
94	<sc>PDE</sc>5 inhibitors, sildenafil and vardenafil, reverse multidrug resistance by inhibiting the efflux function of multidrug resistance protein 7 (<sc>ATP</sc>â€binding Cassette <sc>C</sc>10) transporter. <i>Cancer Science</i> , 2012, 103, 1531-1537.	1.7	37
95	Overexpression of P-glycoprotein induces acquired resistance to imatinib in chronic myelogenous leukemia cells. <i>Chinese Journal of Cancer</i> , 2012, 31, 110-118.	4.9	60
96	The Phosphodiesterase-5 Inhibitor Vardenafil Is a Potent Inhibitor of ABCB1/P-Glycoprotein Transporter. <i>PLoS ONE</i> , 2011, 6, e19329.	1.1	71
97	Up-regulation of P-glycoprotein confers acquired resistance to 6-mercaptopurine in human chronic myeloid leukemia cells. <i>Oncology Letters</i> , 2011, 2, 549-556.	0.8	5
98	Multidrug resistance proteins (MRPs/ABCCs) in cancer chemotherapy and genetic diseases. <i>FEBS Journal</i> , 2011, 278, 3226-3245.	2.2	222
99	Sildenafil Reverses ABCB1- and ABCG2-Mediated Chemotherapeutic Drug Resistance. <i>Cancer Research</i> , 2011, 71, 3029-3041.	0.4	157
100	Roles of Sildenafil in Enhancing Drug Sensitivity in Cancer. <i>Cancer Research</i> , 2011, 71, 3735-3738.	0.4	57
101	Revisiting the ABCs of Multidrug Resistance in Cancer Chemotherapy. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 570-594.	0.9	185
102	Lapatinib and erlotinib are potent reversal agents for MRP7 (ABCC10)-mediated multidrug resistance. <i>Biochemical Pharmacology</i> , 2010, 79, 154-161.	2.0	89
103	The role of stem cell markers in multidrug resistance mediated by ABC transporters. <i>Leukemia Research</i> , 2010, 34, 696-697.	0.4	8
104	BCR-ABL tyrosine kinase inhibitors in the treatment of Philadelphia chromosome positive chronic myeloid leukemia: A review. <i>Leukemia Research</i> , 2010, 34, 1255-1268.	0.4	252
105	Apatinib (YN968D1) Reverses Multidrug Resistance by Inhibiting the Efflux Function of Multiple ATP-Binding Cassette Transporters. <i>Cancer Research</i> , 2010, 70, 7981-7991.	0.4	297
106	Imatinib and Nilotinib Reverse Multidrug Resistance in Cancer Cells by Inhibiting the Efflux Activity of the MRP7 (ABCC10). <i>PLoS ONE</i> , 2009, 4, e7520.	1.1	65
107	Inhibiting the function of ABCB1 and ABCG2 by the EGFR tyrosine kinase inhibitor AG1478. <i>Biochemical Pharmacology</i> , 2009, 77, 781-793.	2.0	69
108	Nilotinib (AMN107, Tasigna®) reverses multidrug resistance by inhibiting the activity of the ABCB1/Pgp and ABCG2/BCRP/MXR transporters. <i>Biochemical Pharmacology</i> , 2009, 78, 153-161.	2.0	201

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109	Sensitization of ABCG2-overexpressing cells to conventional chemotherapeutic agent by sunitinib was associated with inhibiting the function of ABCG2. <i>Cancer Letters</i> , 2009, 279, 74-83.	3.2	108
110	Up-regulation of MRP4 and down-regulation of influx transporters in human leukemic cells with acquired resistance to 6-mercaptopurine. <i>Leukemia Research</i> , 2008, 32, 799-809.	0.4	52
111	Lapatinib (Tykerb, GW572016) Reverses Multidrug Resistance in Cancer Cells by Inhibiting the Activity of ATP-Binding Cassette Subfamily B Member 1 and G Member 2. <i>Cancer Research</i> , 2008, 68, 7905-7914.	0.4	362