Vincent Kam Wai Wong

List of Publications by Year in descending order

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115 papers 8,023 citations

32 h-index 51608 86 g-index

119 all docs

119 docs citations

119 times ranked

17080 citing authors

#	Article	IF	CITATIONS
1	Antileishmanial and cytotoxic activity of secondary metabolites from <i>Taberneamontana ventricosa</i> and two <i>aloe</i> species. Natural Product Research, 2022, 36, 1365-1369.	1.8	7
2	Computational and experimental insights on the interaction of artemisinin, dihydroartemisinin and chloroquine with SARS-CoV-2 spike protein receptor-binding domain (RBD). Natural Product Research, 2022, 36, 5358-5363.	1.8	19
3	Far infrared irradiation suppresses experimental arthritis in rats by down-regulation of genes involved inflammatory response and autoimmunity. Journal of Advanced Research, 2022, 38, 107-118.	9.5	6
4	Inhibition of the CDK9–cyclin T1 protein–protein interaction as a new approach against triple-negative breast cancer. Acta Pharmaceutica Sinica B, 2022, 12, 1390-1405.	12.0	32
5	Polygala saponins inhibit NLRP3 inflammasome-mediated neuroinflammation via SHP-2-Mediated mitophagy. Free Radical Biology and Medicine, 2022, 179, 76-94.	2.9	23
6	Extracellular Vesicle Delivery of Neferine for the Attenuation of Neurodegenerative Disease Proteins and Motor Deficit in an Alzheimer's Disease Mouse Model. Pharmaceuticals, 2022, 15, 83.	3.8	19
7	Traditional Patchouli essential oil modulates the host's immune responses and gut microbiota and exhibits potent anti-cancer effects in Apc mice. Pharmacological Research, 2022, 176, 106082.	7.1	18
8	Natural Citrus flavanone 5-demethylnobiletin stimulates melanogenesis through the activation of cAMP/CREB pathway in B16F10 cells. Phytomedicine, 2022, 98, 153941.	5.3	16
9	Dietary Plant Polyphenols as the Potential Drugs in Neurodegenerative Diseases: Current Evidence, Advances, and Opportunities. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-40.	4.0	36
10	2-Bromo-3-((1-(7-chloroquinolin-4-yl)-1H-1,2,3-triazol-4-yl)-methoxy)-benzaldehyde. MolBank, 2022, 2022, M1351.	0.5	2
11	Biological Evaluation in Resistant Cancer Cells and Study of Mechanism of Action of Arylvinyl-1,2,4-Trioxanes. Pharmaceuticals, 2022, 15, 360.	3.8	6
12	Exploring SARS-CoV-2 Delta variant spike protein receptor-binding domain (RBD) as a target for tanshinones and antimalarials. Natural Product Research, 2022, 36, 6150-6155.	1.8	4
13	Design, synthesis and antitumor evaluation of novel 1H-indole-2-carboxylic acid derivatives targeting 14-3-31 protein. European Journal of Medicinal Chemistry, 2022, 238, 114402.	5. 5	2
14	Cytotoxicity of isoflavones from <i>Millettia dura</i> . Natural Product Research, 2021, 35, 2744-2747.	1.8	6
15	Dicoumarol, an NQO1 inhibitor, blocks cccDNA transcription by promoting degradation of HBx. Journal of Hepatology, 2021, 74, 522-534.	3.7	75
16	Targeting autophagy as a therapeutic strategy for identification of liganans from Peristrophe japonica in Parkinson's disease. Signal Transduction and Targeted Therapy, 2021, 6, 67.	17.1	13
17	1,2,3,4,6-Pentagalloyl Glucose, a RBD-ACE2 Binding Inhibitor to Prevent SARS-CoV-2 Infection. Frontiers in Pharmacology, 2021, 12, 634176.	3.5	28
18	N-[7-Chloro-4-[4-(phenoxymethyl)-1H-1,2,3-triazol-1-yl]quinoline]-acetamide. MolBank, 2021, 2021, M1213.	0.5	6

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19	Profiling Ribonucleotide and Deoxyribonucleotide Pools Perturbed by Remdesivir in Human Bronchial Epithelial Cells. Frontiers in Pharmacology, 2021, 12, 647280.	3.5	2
20	SIRT7 restricts HBV transcription and replication through catalyzing desuccinylation of histone H3 associated with cccDNA minichromosome. Clinical Science, 2021, 135, 1505-1522.	4.3	19
21	A small molecule HIF- $1\hat{l}_{\pm}$ stabilizer that accelerates diabetic wound healing. Nature Communications, 2021, 12, 3363.	12.8	88
22	Icariin enhances youth-like features by attenuating the declined gut microbiota in the aged mice. Pharmacological Research, 2021, 168, 105587.	7.1	25
23	Autophagy Modulators From Chinese Herbal Medicines: Mechanisms and Therapeutic Potentials for Asthma. Frontiers in Pharmacology, 2021, 12, 710679.	3.5	5
24	Corilagin prevents SARS-CoV-2 infection by targeting RBD-ACE2 binding. Phytomedicine, 2021, 87, 153591.	5.3	41
25	Potential therapeutic compounds from traditional Chinese medicine targeting endoplasmic reticulum stress to alleviate rheumatoid arthritis. Pharmacological Research, 2021, 170, 105696.	7.1	26
26	Saponins isolated from Radix polygalae extent lifespan by modulating complement C3 and gut microbiota. Pharmacological Research, 2021, 170, 105697.	7.1	11
27	A Drug Repurposing Approach for Antimalarials Interfering with SARS-CoV-2 Spike Protein Receptor Binding Domain (RBD) and Human Angiotensin-Converting Enzyme 2 (ACE2). Pharmaceuticals, 2021, 14, 954.	3.8	16
28	Identification of natural compounds as SARS-CoV-2 entry inhibitors by molecular docking-based virtual screening with bio-layer interferometry. Pharmacological Research, 2021, 172, 105820.	7.1	50
29	Synthesis, computational docking and biological evaluation of celastrol derivatives as dual inhibitors of SERCA and P-glycoprotein in cancer therapy. European Journal of Medicinal Chemistry, 2021, 224, 113676.	5.5	11
30	Novel halogenated arylvinyl-1,2,4 trioxanes as potent antiplasmodial as well as anticancer agents: Synthesis, bioevaluation, structure-activity relationship and in-silico studies. European Journal of Medicinal Chemistry, 2021, 224, 113685.	5.5	8
31	AGEs-Induced Calcification and Apoptosis in Human Vascular Smooth Muscle Cells Is Reversed by Inhibition of Autophagy. Frontiers in Pharmacology, 2021, 12, 692431.	3.5	4
32	Synthesis and Coordination Properties of a Water-Soluble Material by Cross-Linking Low Molecular Weight Polyethyleneimine with Armed Cyclotriveratrilene. Polymers, 2021, 13, 4133.	4.5	2
33	Network Pharmacology Exploration Reveals Anti-Apoptosis as a Common Therapeutic Mechanism for Non-Alcoholic Fatty Liver Disease Treated with Blueberry Leaf Polyphenols. Nutrients, 2021, 13, 4060.	4.1	7
34	Identification of inhibitors of the polo-box domain of polo-like kinase $1\ \rm from\ natural\ and\ semisynthetic\ compounds.$ Investigational New Drugs, 2020, 38, 1-9.	2.6	6
35	The active components derived from Penthorum chinense Pursh protect against oxidative-stress-induced vascular injury via autophagy induction. Free Radical Biology and Medicine, 2020, 146, 160-180.	2.9	26
36	Drug-resistance in rheumatoid arthritis: the role of p53 gene mutations, ABC family transporters and personal factors. Current Opinion in Pharmacology, 2020, 54, 59-71.	3.5	20

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37	The present and future synthetic strategies of structural modifications of sinomenine. Organic Chemistry Frontiers, 2020, 7, 4089-4107.	4.5	10
38	Novel ginsenoside derivative 20(S)-Rh2E2 suppresses tumor growth and metastasis in vivo and in vitro via intervention of cancer cell energy metabolism. Cell Death and Disease, 2020, 11, 621.	6.3	15
39	Design, Synthesis, Structureâ€Activity Relationship and Docking Studies of Novel Functionalized Arylvinylâ€1,2,4â€Trioxanes as Potent Antiplasmodial as well as Anticancer Agents. ChemMedChem, 2020, 15, 1216-1228.	3.2	17
40	Synthetic Peroxides Promote Apoptosis of Cancer Cells by Inhibiting Pâ€Glycoprotein ABCB5. ChemMedChem, 2020, 15, 1118-1127.	3.2	28
41	Sirtuin 5 deficiency increases disease severity in rats with adjuvant-induced arthritis. Cellular and Molecular Immunology, 2020, 17, 1190-1192.	10.5	9
42	Natural products-based polypharmacological modulation of the peripheral immune system for the treatment of neuropsychiatric disorders., 2020, 208, 107480.		18
43	Polyphyllin VI Induces Caspase-1-Mediated Pyroptosis via the Induction of ROS/NF-κB/NLRP3/GSDMD Signal Axis in Non-Small Cell Lung Cancer. Cancers, 2020, 12, 193.	3.7	195
44	SERCA and P-glycoprotein inhibition and ATP depletion are necessary for celastrol-induced autophagic cell death and collateral sensitivity in multidrug-resistant tumor cells. Pharmacological Research, 2020, 153, 104660.	7.1	29
45	Overexpression of ubiquitin-conjugating enzyme E2 L3 in hepatocellular carcinoma potentiates apoptosis evasion by inhibiting the GSK3 $\hat{l}^2/p65$ pathway. Cancer Letters, 2020, 481, 1-14.	7.2	14
46	Adjuvant herbal therapy for targeting susceptibility genes to Kawasaki disease: An overview of epidemiology, pathogenesis, diagnosis and pharmacological treatment of Kawasaki disease. Phytomedicine, 2020, 70, 153208.	5. 3	16
47	Phytotherapy using blueberry leaf polyphenols to alleviate non-alcoholic fatty liver disease through improving mitochondrial function and oxidative defense. Phytomedicine, 2020, 69, 153209.	5. 3	33
48	Resveratrol decreases cell apoptosis through inhibiting DNA damage in bronchial epithelial cells. International Journal of Molecular Medicine, 2020, 45, 1673-1684.	4.0	12
49	Editorial overview: New technologies in 2020: Drug resistance. Current Opinion in Pharmacology, 2020, 54, iii-vi.	3. 5	1
50	Polyphyllin VI, a saponin from Trillium tschonoskii Maxim. induces apoptotic and autophagic cell death via the ROS triggered mTOR signaling pathway in non-small cell lung cancer. Pharmacological Research, 2019, 147, 104396.	7.1	60
51	Niacin analogue, 6-Aminonicotinamide, a novel inhibitor of hepatitis B virus replication and HBsAg production. EBioMedicine, 2019, 49, 232-246.	6.1	15
52	Lovastatin Enhances Cytotoxicity of Temozolomide via Impairing Autophagic Flux in Glioblastoma Cells. BioMed Research International, 2019, 2019, 1-12.	1.9	27
53	Novel steroidal saponin isolated from Trillium tschonoskii maxim. exhibits anti-oxidative effect via autophagy induction in cellular and Caenorhabditis elegans models. Phytomedicine, 2019, 65, 153088.	5.3	18
54	A Novel Drug Resistance Mechanism: Genetic Loss of Xeroderma Pigmentosum Complementation Group C (XPC) Enhances Glycolysis-Mediated Drug Resistance in DLD-1 Colon Cancer Cells. Frontiers in Pharmacology, 2019, 10, 912.	3.5	7

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55	Investigation into perturbed nucleoside metabolism and cell cycle for elucidating the cytotoxicity effect of resveratrol on human lung adenocarcinoma epithelial cells. Chinese Journal of Natural Medicines, 2019, 17, 608-615.	1.3	7
56	Ca ²⁺ signalling plays a role in celastrolâ€mediated suppression of synovial fibroblasts of rheumatoid arthritis patients and experimental arthritis in rats. British Journal of Pharmacology, 2019, 176, 2922-2944.	5 . 4	57
57	Semi-synthetic isoflavones as BACE-1 inhibitors against Alzheimer's disease. Bioorganic Chemistry, 2019, 87, 474-483.	4.1	24
58	NAD(P)H: Quinone oxidoreductase 1 overexpression in hepatocellular carcinoma potentiates apoptosis evasion through regulating stabilization of X-linked inhibitor of apoptosis protein. Cancer Letters, 2019, 451, 156-167.	7.2	15
59	The New Application of UHPLC-DAD-TOF/MS in Identification of Inhibitors on Î ² -Amyloid Fibrillation From Scutellaria baicalensis. Frontiers in Pharmacology, 2019, 10, 194.	3.5	16
60	Aurone derivatives as Vps34 inhibitors that modulate autophagy. Acta Pharmaceutica Sinica B, 2019, 9, 537-544.	12.0	18
61	Neferine induces autophagy-dependent cell death in apoptosis-resistant cancers via ryanodine receptor and Ca2+-dependent mechanism. Scientific Reports, 2019, 9, 20034.	3.3	44
62	Bavachin Protects Human Aortic Smooth Muscle Cells Against \hat{l}^2 -Glycerophosphate-Mediated Vascular Calcification and Apoptosis via Activation of mTOR-Dependent Autophagy and Suppression of \hat{l}^2 -Catenin Signaling. Frontiers in Pharmacology, 2019, 10, 1427.	3 . 5	27
63	Novel dauricine derivatives suppress cancer via autophagy-dependent cell death. Bioorganic Chemistry, 2019, 83, 450-460.	4.1	17
64	A Functional Variant in Ubiquitin Conjugating Enzyme E2 L3 Contributes to Hepatitis B Virus Infection and Maintains Covalently Closed Circular DNA Stability by Inducing Degradation of Apolipoprotein B mRNA Editing Enzyme Catalytic Subunit 3A. Hepatology, 2019, 69, 1885-1902.	7.3	24
65	Method for Quantification of Ribonucleotides and Deoxyribonucleotides in Human Cells Using (Trimethylsilyl)diazomethane Derivatization Followed by Liquid Chromatography–Tandem Mass Spectrometry. Analytical Chemistry, 2019, 91, 1019-1026.	6.5	25
66	Novel Peroxides as Promising Anticancer Agents with Unexpected Depressed Antimalarial Activity. ChemMedChem, 2018, 13, 902-908.	3.2	44
67	2-Aminoethoxydiphenylborane sensitizes anti-tumor effect of bortezomib via suppression of calcium-mediated autophagy. Cell Death and Disease, 2018, 9, 361.	6.3	16
68	SIRT3 restricts hepatitis B virus transcription and replication through epigenetic regulation of covalently closed circular DNA involving suppressor of variegation $3\hat{\epsilon}$ 9 homolog 1 and SET domain containing 1A histone methyltransferases. Hepatology, 2018, 68, 1260-1276.	7.3	60
69	Inhibition of KRAS-dependent lung cancer cell growth by deltarasin: blockage of autophagy increases its cytotoxicity. Cell Death and Disease, 2018, 9, 216.	6.3	41
70	Innenrýcktitelbild: Selective Inhibition of Lysineâ€Specific Demethylase 5A (KDM5A) Using a Rhodium(III) Complex for Tripleâ€Negative Breast Cancer Therapy (Angew. Chem. 40/2018). Angewandte Chemie, 2018, 130, 13533-13533.	2.0	0
71	Arsenic trioxide reverses the chemoresistance in hepatocellular carcinoma: a targeted intervention of 14–3-3Î-/NF-κB feedback loop. Journal of Experimental and Clinical Cancer Research, 2018, 37, 321.	8.6	36
72	Crystal Structures and Cytotoxicity of ent-Kaurane-Type Diterpenoids from Two Aspilia Species. Molecules, 2018, 23, 3199.	3.8	7

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7 3	Selective Inhibition of Lysineâ€Specific Demethylase 5A (KDM5A) Using a Rhodium(III) Complex for Tripleâ€Negative Breast Cancer Therapy. Angewandte Chemie, 2018, 130, 13275-13279.	2.0	19
74	Selective Inhibition of Lysineâ€Specific Demethylase 5A (KDM5A) Using a Rhodium(III) Complex for Tripleâ€Negative Breast Cancer Therapy. Angewandte Chemie - International Edition, 2018, 57, 13091-13095.	13.8	125
75	Salubrinal Enhances Doxorubicin Sensitivity in Human Cholangiocarcinoma Cells Through Promoting DNA Damage. Cancer Biotherapy and Radiopharmaceuticals, 2018, 33, 258-265.	1.0	5
76	An anti-prostate cancer benzofuran-conjugated iridium(III) complex as a dual inhibitor of STAT3 and NF-ÎB. Cancer Letters, 2017, 396, 76-84.	7.2	74
77	Pathogenesis of thromboangiitis obliterans: Gene polymorphism and immunoregulation of human vascular endothelial cells. Atherosclerosis, 2017, 265, 258-265.	0.8	24
78	Hederagenin and \hat{l}_{\pm} -hederin promote degradation of proteins in neurodegenerative diseases and improve motor deficits in MPTP-mice. Pharmacological Research, 2017, 115, 25-44.	7.1	63
79	Tetrandrine, an Activator of Autophagy, Induces Autophagic Cell Death via PKC-α Inhibition and mTOR-Dependent Mechanisms. Frontiers in Pharmacology, 2017, 8, 351.	3.5	56
80	Artemisinin Derivatives Target Topoisomerase 1 and Cause DNA Damage in Silico and in Vitro. Frontiers in Pharmacology, 2017, 8, 711.	3.5	21
81	Four Prenylflavone Derivatives with Antiplasmodial Activities from the Stem of Tephrosia purpurea subsp. leptostachya. Molecules, 2017, 22, 1514.	3.8	13
82	New perspectives of cobalt tris(bipyridine) system: anti-cancer effect and its collateral sensitivity towards multidrug-resistant (MDR) cancers. Oncotarget, 2017, 8, 55003-55021.	1.8	27
83	Isoliquiritigenin suppresses human T Lymphocyte activation <i>via</i> covalently binding cysteine 46 of lκB kinase. Oncotarget, 2017, 8, 34223-34235.	1.8	10
84	Thalidezine, a novel AMPK activator, eliminates apoptosis-resistant cancer cells through energy-mediated autophagic cell death. Oncotarget, 2017, 8, 30077-30091.	1.8	34
85	Saikosaponin-d, a calcium mobilizing agent, sensitizes chemoresistant ovarian cancer cells to cisplatin-induced apoptosis by facilitating mitochondrial fission and G2/M arrest. Oncotarget, 2017, 8, 99825-99840.	1.8	41
86	Profiling of ribonucleotides and deoxyribonucleotides pools in response to DNA damage and repair induced by methyl methanesulfonate in cancer and normal cells. Oncotarget, 2017, 8, 101707-101719.	1.8	4
87	Novel direct AMPK activator suppresses non-small cell lung cancer through inhibition of lipid metabolism. Oncotarget, 2017, 8, 96089-96102.	1.8	21
88	Perspective: Role of Autophagy in Neuroprotective Properties of Traditional Chinese Medicines. Journal of Neuroinfectious Diseases, 2017, 08, .	0.2	0
89	New Potential Pharmacological Functions of Chinese Herbal Medicines via Regulation of Autophagy. Molecules, 2016, 21, 359.	3.8	50
90	Hernandezine, a novel AMPK activator induces autophagic cell death in drug-resistant cancers. Oncotarget, 2016, 7, 8090-8104.	1.8	74

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91	Antagonizing STAT5B dimerization with an osmium complex. Scientific Reports, 2016, 6, 36044.	3.3	16
92	Profiling ribonucleotide and deoxyribonucleotide pools perturbed by gemcitabine in human non-small cell lung cancer cells. Scientific Reports, 2016, 6, 37250.	3.3	10
93	Autophagic degradation of epidermal growth factor receptor in gefitinib-resistant lung cancer by celastrol. International Journal of Oncology, 2016, 49, 1576-1588.	3.3	38
94	Advanced research technology for discovery of new effective compounds from Chinese herbal medicine and their molecular targets. Pharmacological Research, 2016, 111, 546-555.	7.1	25
95	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
96	Rh2E2, a novel metabolic suppressor, specifically inhibits energy-based metabolism of tumor cells. Oncotarget, 2016, 7, 9907-9924.	1.8	18
97	(Z)3,4,5,4′-trans-tetramethoxystilbene, a new analogue of resveratrol, inhibits gefitinb-resistant non-small cell lung cancer via selectively elevating intracellular calcium level. Scientific Reports, 2015, 5, 16348.	3.3	38
98	Application of artificial neural network to investigate the effects of 5-fluorouracil on ribonucleotides and deoxyribonucleotides in HepG2 cells. Scientific Reports, 2015, 5, 16861.	3.3	15
99	Identification of novel autophagic Radix Polygalae fraction by cell membrane chromatography and UHPLC-(Q)TOF-MS for degradation of neurodegenerative disease proteins. Scientific Reports, 2015, 5, 17199.	3.3	27
100	Neferine Attenuates the Protein Level and Toxicity of Mutant Huntingtin in PC-12 Cells via Induction of Autophagy. Molecules, 2015, 20, 3496-3514.	3.8	80
101	Mutation of cysteine 46 in IKK-beta increases inflammatory responses. Oncotarget, 2015, 6, 31805-31819.	1.8	26
102	Autophagic effects of Chaihu (dried roots of Bupleurum Chinense DC or Bupleurum) Tj ETQq0 0 0 rgBT /Overlock	₹ 19.Jf 50 î	302 Td (scorz
103	Natural small-molecule enhancers of autophagy induce autophagic cell death in apoptosis-defective cells. Scientific Reports, 2014, 4, 5510.	3.3	129
104	Saikosaponin-d Enhances the Anticancer Potency of TNF- <mml:math id="M1" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="bold-italic">î±</mml:mi></mml:mrow></mml:math> via Overcoming Its Undesirable Response of Activating NF-Kappa B Signalling in Cancer Cells. Evidence-based Complementary and	1,2	56
105	Alternative Medicine, 2013, 2013, 1-14. Onjisaponin B Derived from Radix Polygalae Enhances Autophagy and Accelerates the Degradation of Mutant α-Synuclein and Huntingtin in PC-12 Cells. International Journal of Molecular Sciences, 2013, 14, 22618-22641.	4.1	111
106	The in Vitro Structure-Related Anti-Cancer Activity of Ginsenosides and Their Derivatives. Molecules, 2011, 16, 10619-10630.	3.8	77
107	Integrin activation as an alternative treatment approach for inflammatory diseases. Acta Pharmacologica Sinica, 2011, 32, 1309-1310.	6.1	0
108	Abstract C36: Dc917 inhibits the growth of mouse lung carcinoma both in vitro and in vivo through cell cycle arrest and ERK signaling pathway. , 2011 , , .		0

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109	Matrine Induces Cell Anergy in Human Jurkat T Cells through Modulation of Mitogen-Activated Protein Kinases and Nuclear Factor of Activated T-Cells Signaling with Concomitant Up-Regulation of Anergy-Associated Genes Expression. Biological and Pharmaceutical Bulletin, 2010, 33, 40-46.	1.4	30
110	Total ginsenosides increase coronary perfusion flow in isolated rat hearts through activation of PI3K/Akt-eNOS signaling. Phytomedicine, 2010, 17, 1006-1015.	5.3	38
111	Asian ginseng extract inhibits in vitro and in vivo growth of mouse lewis lung carcinoma via modulation of ERKâ€p53 and NF‵̂B signaling. Journal of Cellular Biochemistry, 2010, 111, 899-910.	2.6	54
112	Mechanistic study of saikosaponinâ€d (Ssd) on suppression of murine T lymphocyte activation. Journal of Cellular Biochemistry, 2009, 107, 303-315.	2.6	65
113	Pseudolaric acid B suppresses T lymphocyte activation through inhibition of NFâ€PB signaling pathway and p38 phosphorylation. Journal of Cellular Biochemistry, 2009, 108, 87-95.	2.6	32
114	Synthesis and Cytotoxicity Studies of Artemisinin Derivatives Containing Lipophilic Alkyl Carbon Chains. Organic Letters, 2005, 7, 1561-1564.	4.6	48
115	Transcriptional Activity of the Promoter Region of Rat Frizzled-Related Protein Gene. Biochemical and Biophysical Research Communications, 2001, 286, 94-100.	2.1	7