

# Marc Diederich

## List of Publications by Year in descending order

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282  
papers

18,145  
citations

15504

65  
h-index

17105

122  
g-index

310  
all docs

310  
docs citations

310  
times ranked

32377  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Chemopreventive and therapeutic effects of curcumin. Cancer Letters, 2005, 223, 181-190.	7.2	771
3	Molecular and Therapeutic Potential and Toxicity of Valproic Acid. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-18.	3.0	347
4	The Role of Cyclooxygenase-2 in Cell Proliferation and Cell Death in Human Malignancies. International Journal of Cell Biology, 2010, 2010, 1-21.	2.5	345
5	Modulation of anti-apoptotic and survival pathways by curcumin as a strategy to induce apoptosis in cancer cells. Biochemical Pharmacology, 2008, 76, 1340-1351.	4.4	288
6	Melatonin: A pleiotropic molecule regulating inflammation. Biochemical Pharmacology, 2010, 80, 1844-1852.	4.4	281
7	Dietary chalcones with chemopreventive and chemotherapeutic potential. Genes and Nutrition, 2011, 6, 125-147.	2.5	213
8	Curcumin—The Paradigm of a Multi-Target Natural Compound with Applications in Cancer Prevention and Treatment. Toxins, 2010, 2, 128-162.	3.4	176
9	Histone deacetylase 6 in health and disease. Epigenomics, 2015, 7, 103-118.	2.1	174
10	Antioxidant and anti-proliferative properties of lycopene. Free Radical Research, 2011, 45, 925-940.	3.3	173
11	Cancer-type-specific crosstalk between autophagy, necroptosis and apoptosis as a pharmacological target. Biochemical Pharmacology, 2015, 94, 1-11.	4.4	150
12	Erythropoietin, erythropoiesis and beyond. Biochemical Pharmacology, 2011, 82, 1291-1303.	4.4	145
13	Curcumin as a regulator of epigenetic events. Molecular Nutrition and Food Research, 2013, 57, 1619-1629.	3.3	137
14	The Dual Role of Calcium as Messenger and Stressor in Cell Damage, Death, and Survival. International Journal of Cell Biology, 2010, 2010, 1-14.	2.5	135
15	Cardiac glycosides in cancer therapy: from preclinical investigations towards clinical trials. Investigational New Drugs, 2013, 31, 1087-1094.	2.6	133
16	Chemopreventive potential of curcumin in prostate cancer. Genes and Nutrition, 2010, 5, 61-74.	2.5	128
17	Induction of apoptosis by curcumin: mediation by glutathione S-transferase P1-1 inhibition. Biochemical Pharmacology, 2003, 66, 1475-1483.	4.4	124
18	Dermacozines, a new phenazine family from deep-sea dermacocci isolated from a Mariana Trench sediment. Organic and Biomolecular Chemistry, 2010, 8, 2352.	2.8	123

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19	Synthesis and Selective Anticancer Activity of Organochalcogen Based Redox Catalysts. Journal of Medicinal Chemistry, 2010, 53, 6954-6963.	6.4	119
20	Sustained exposure to the DNA demethylating agent, 2â€²-deoxy-5-azacytidine, leads to apoptotic cell death in chronic myeloid leukemia by promoting differentiation, senescence, and autophagy. Biochemical Pharmacology, 2011, 81, 364-378.	4.4	115
21	Gold from the sea: Marine compounds as inhibitors of the hallmarks of cancer. Biotechnology Advances, 2011, 29, 531-547.	11.7	112
22	Pro-Inflammatory Cytokine-Mediated Anemia: Regarding Molecular Mechanisms of Erythropoiesis. Mediators of Inflammation, 2009, 2009, 1-11.	3.0	111
23	Anemia in cancer. Annals of Oncology, 2010, 21, vii167-vii172.	1.2	111
24	Selective Non-nucleoside Inhibitors of Human DNA Methyltransferases Active in Cancer Including in Cancer Stem Cells. Journal of Medicinal Chemistry, 2014, 57, 701-713.	6.4	111
25	Melatonin antagonizes the intrinsic pathway of apoptosis via mitochondrial targeting of Bclâ€². Journal of Pineal Research, 2008, 44, 316-325.	7.4	110
26	Stress-induced cellular responses in immunogenic cell death: Implications for cancer immunotherapy. Biochemical Pharmacology, 2018, 153, 12-23.	4.4	104
27	Targeting COX-2 expression by natural compounds: A promising alternative strategy to synthetic COX-2 inhibitors for cancer chemoprevention and therapy. Biochemical Pharmacology, 2010, 80, 1801-1815.	4.4	100
28	Anti-inflammatory, pro-apoptotic, and anti-proliferative effects of a methanolic neem (Azadirachta) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2011, 6, 149-160.	2.5	98
29	Epigenomics of leukemia: from mechanisms to therapeutic applications. Epigenomics, 2011, 3, 581-609.	2.1	97
30	Protein Kinase and HDAC Inhibitors from the Endophytic Fungus <i>Epicoccum nigrum</i>. Journal of Natural Products, 2014, 77, 49-56.	3.0	97
31	A Beginner's Guide to NFâ€³B Signaling Pathways. Annals of the New York Academy of Sciences, 2004, 1030, 1-13.	3.8	96
32	Assembling the puzzle of anti-cancer mechanisms triggered by cardiac glycosides. Mitochondrion, 2013, 13, 225-234.	3.4	95
33	Redox biology of regulated cell death in cancer: A focus on necroptosis and ferroptosis. Free Radical Biology and Medicine, 2019, 134, 177-189.	2.9	95
34	Potential of the Dietary Antioxidants Resveratrol and Curcumin in Prevention and Treatment of Hematologic Malignancies. Molecules, 2010, 15, 7035-7074.	3.8	94
35	Hybrid Curcumin Compounds: A New Strategy for Cancer Treatment. Molecules, 2014, 19, 20839-20863.	3.8	94
36	Anticancer effects of bioactive berry compounds. Phytochemistry Reviews, 2014, 13, 295-322.	6.5	91

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37	Synthesis and cytotoxic potential of heterocyclic cyclohexanone analogues of curcumin. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 6701-6707.	3.0	90
38	Plant-derived epigenetic modulators for cancer treatment and prevention. <i>Biotechnology Advances</i> , 2014, 32, 1123-1132.	11.7	90
39	Anticancer and Immunogenic Properties of Cardiac Glycosides. <i>Molecules</i> , 2017, 22, 1932.	3.8	90
40	Epigenetics Offer New Horizons for Colorectal Cancer Prevention. <i>Current Colorectal Cancer Reports</i> , 2012, 8, 66-81.	0.5	87
41	Pro-Apoptotic and Immunostimulatory Tetrahydroxanthone Dimers from the Endophytic Fungus <i>Phomopsis longicolla</i> . <i>Journal of Organic Chemistry</i> , 2013, 78, 12409-12425.	3.2	87
42	Modulation of poly(ADP-ribosylation) in apoptotic cells. <i>Biochemical Pharmacology</i> , 2004, 68, 1041-1047.	4.4	86
43	UNBS1450, a steroid cardiac glycoside inducing apoptotic cell death in human leukemia cells. <i>Biochemical Pharmacology</i> , 2011, 81, 13-23.	4.4	86
44	Cardiac glycosides: From molecular targets to immunogenic cell death. <i>Biochemical Pharmacology</i> , 2017, 125, 1-11.	4.4	86
45	Heteronemin, a spongean sesterterpene, inhibits TNF $\alpha$ -induced NF- $\kappa$ B activation through proteasome inhibition and induces apoptotic cell death. <i>Biochemical Pharmacology</i> , 2010, 79, 610-622.	4.4	85
46	Marine natural products as targeted modulators of the transcription factor NF- $\kappa$ B. <i>Biochemical Pharmacology</i> , 2008, 75, 603-617.	4.4	84
47	Inhibition of TNF $\alpha$ -induced activation of nuclear factor $\kappa$ B by kava ( <i>Piper methysticum</i> ) derivatives. <i>Biochemical Pharmacology</i> , 2006, 71, 1206-1218.	4.4	83
48	Traditional West African pharmacopeia, plants and derived compounds for cancer therapy. <i>Biochemical Pharmacology</i> , 2012, 84, 1225-1240.	4.4	83
49	Non-canonical programmed cell death mechanisms triggered by natural compounds. <i>Seminars in Cancer Biology</i> , 2016, 40-41, 4-34.	9.6	79
50	Curcumin regulates signal transducer and activator of transcription (STAT) expression in K562 cells. <i>Biochemical Pharmacology</i> , 2006, 72, 1547-1554.	4.4	77
51	Multistep and multitask Bax activation. <i>Mitochondrion</i> , 2010, 10, 604-613.	3.4	76
52	Selective Antimicrobial Activity Associated with Sulfur Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 395-405.	1.1	76
53	Effect of chemopreventive agents on glutathione S-transferase P1-1 gene expression mechanisms via activating protein 1 and nuclear factor kappaB inhibition. <i>Biochemical Pharmacology</i> , 2004, 68, 1101-1111.	4.4	75
54	Anti-Inflammatory and Anticancer Drugs from Nature. <i>Cancer Treatment and Research</i> , 2014, 159, 123-143.	0.5	74

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55	Cell type-dependent ROS and mitophagy response leads to apoptosis or necroptosis in neuroblastoma. <i>Oncogene</i> , 2016, 35, 3839-3853.	5.9	73
56	UNBS1450 from <i>Calotropis procera</i> as a regulator of signaling pathways involved in proliferation and cell death. <i>Biochemical Pharmacology</i> , 2009, 78, 1-10.	4.4	72
57	Effect of Curcumin on Nuclear Factor $\kappa$ B Signaling Pathways in Human Chronic Myelogenous K562 Leukemia Cells. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 436-447.	3.8	72
58	Anticancer effect of altersolanol A, a metabolite produced by the endophytic fungus <i>Stemphylium globuliferum</i> , mediated by its pro-apoptotic and anti-invasive potential via the inhibition of NF- $\kappa$ B activity. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3850-3858.	3.0	72
59	Isolation of anticancer and anti-trypanosome secondary metabolites from the endophytic fungus <i>Aspergillus flocculus</i> via bioactivity guided isolation and MS based metabolomics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1106-1107, 71-83.	2.3	72
60	Natural chalcones as dual inhibitors of HDACs and NF- $\kappa$ B. <i>Oncology Reports</i> , 2012, 28, 797-805.	2.6	71
61	Anticancer bioactivity of compounds from medicinal plants used in European medieval traditions. <i>Biochemical Pharmacology</i> , 2013, 86, 1239-1247.	4.4	71
62	ROS-independent JNK activation and multisite phosphorylation of Bcl-2 link diallyl tetrasulfide-induced mitotic arrest to apoptosis. <i>Carcinogenesis</i> , 2012, 33, 2162-2171.	2.8	70
63	A Survey of Marine Natural Compounds and Their Derivatives with Anti-Cancer Activity Reported in 2011. <i>Molecules</i> , 2013, 18, 3641-3673.	3.8	70
64	Chromatin-modifying agents in anti-cancer therapy. <i>Biochimie</i> , 2012, 94, 2264-2279.	2.6	67
65	Selective modulation of the glucocorticoid receptor can distinguish between transrepression of NF- $\kappa$ B and AP-1. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 143-163.	5.4	67
66	From nature to bedside: Pro-survival and cell death mechanisms as therapeutic targets in cancer treatment. <i>Biotechnology Advances</i> , 2014, 32, 1111-1122.	11.7	67
67	P53 and Sirt1: Routes of metabolism and genome stability. <i>Biochemical Pharmacology</i> , 2014, 92, 149-156.	4.4	67
68	Natural and Synthetic Flavonoids: Structure-Activity Relationship and Chemotherapeutic Potential for the Treatment of Leukemia. <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 56, S4-S28.	10.3	67
69	Chemical Properties and Mechanisms Determining the Anti-Cancer Action of Garlic-Derived Organic Sulfur Compounds. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 267-271.	1.7	66
70	Regulation of epigenetic traits of the glutathione S-transferase P1 gene: from detoxification toward cancer prevention and diagnosis. <i>Frontiers in Pharmacology</i> , 2014, 5, 170.	3.5	66
71	$\gamma$ -Glutamyltransferase: Nucleotide sequence of the human pancreatic cDNA. <i>Biochemical Pharmacology</i> , 1992, 43, 2527-2533.	4.4	65
72	An Introduction to the Molecular Mechanisms of Apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 1-8.	3.8	65

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73	Translational role of natural coumarins and their derivatives as anticancer agents. <i>Future Medicinal Chemistry</i> , 2019, 11, 1057-1082.	2.3	63
74	Early downregulation of Mcl-1 regulates apoptosis triggered by cardiac glycoside UNBS1450. <i>Cell Death and Disease</i> , 2015, 6, e1782-e1782.	6.3	62
75	Histone deacetylase modulators provided by Mother Nature. <i>Genes and Nutrition</i> , 2012, 7, 357-367.	2.5	60
76	Coffee provides a natural multitarget pharmacopeia against the hallmarks of cancer. <i>Genes and Nutrition</i> , 2015, 10, 51.	2.5	60
77	Long and Short Non-Coding RNAs as Regulators of Hematopoietic Differentiation. <i>International Journal of Molecular Sciences</i> , 2013, 14, 14744-14770.	4.1	58
78	Natural Compound Histone Deacetylase Inhibitors (HDACi): Synergy with Inflammatory Signaling Pathway Modulators and Clinical Applications in Cancer. <i>Molecules</i> , 2016, 21, 1608.	3.8	58
79	Linking anemia to inflammation and cancer: The crucial role of TNF $\alpha$ . <i>Biochemical Pharmacology</i> , 2009, 77, 1572-1579.	4.4	57
80	NF kappa B inhibitors and antitrypanosomal metabolites from endophytic fungus <i>Penicillium</i> sp. isolated from <i>Limonium tubiflorum</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 414-421.	3.0	57
81	MicroRNAs in cancer management and their modulation by dietary agents. <i>Biochemical Pharmacology</i> , 2012, 83, 1591-1601.	4.4	57
82	GATA $\alpha$ 1: Friends, Brothers, and Coworkers. <i>Annals of the New York Academy of Sciences</i> , 2004, 1030, 537-554.	3.8	56
83	Sphingolipid-mediated inflammatory signaling leading to autophagy inhibition converts erythropoiesis to myelopoiesis in human hematopoietic stem/progenitor cells. <i>Cell Death and Differentiation</i> , 2019, 26, 1796-1812.	11.2	56
84	Parkinson's Disease: A Complex Interplay of Mitochondrial DNA Alterations and Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2013, 14, 2388-2409.	4.1	54
85	Discovery and characterization of Isofistularin-3, a marine brominated alkaloid, as a new DNA demethylating agent inducing cell cycle arrest and sensitization to TRAIL in cancer cells. <i>Oncotarget</i> , 2016, 7, 24027-24049.	1.8	54
86	Tumor necrosis factor $\alpha$ inhibits erythroid differentiation in human erythropoietin-dependent cells involving p38 MAPK pathway, GATA-1 and FOG-1 downregulation and GATA-2 upregulation. <i>Biochemical Pharmacology</i> , 2008, 76, 1229-1239.	4.4	53
87	Intracellular Prooxidant Activity of Melatonin Induces a Survival Pathway Involving NF $\kappa$ B Activation. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 472-478.	3.8	53
88	Induction of heat shock response by curcumin in human leukemia cells. <i>Cancer Letters</i> , 2009, 279, 145-154.	7.2	53
89	Anti-proliferative potential of curcumin in androgen-dependent prostate cancer cells occurs through modulation of the Wingless signaling pathway. <i>International Journal of Oncology</i> , 2011, 38, 603-11.	3.3	52
90	Photosynthetic marine organisms as a source of anticancer compounds. <i>Phytochemistry Reviews</i> , 2010, 9, 557-579.	6.5	51

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91	Reply to: Cisplatin-induced primordial follicle oocyte killing and loss of fertility are not prevented by imatinib. <i>Nature Medicine</i> , 2012, 18, 1172-1174.	30.7	51
92	Bioactive Diterpene Derivatives from the Marine Sponge <i>Spongionella</i> sp.. <i>Journal of Natural Products</i> , 2009, 72, 1471-1476.	3.0	50
93	Power from the Garden: Plant Compounds as Inhibitors of the Hallmarks of Cancer. <i>Current Medicinal Chemistry</i> , 2012, 19, 2061-2087.	2.4	50
94	Cell cycle arrest in early mitosis and induction of caspase-dependent apoptosis in U937 cells by diallyltetrasulfide (Al2S4). <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 641-654.	4.9	49
95	DNA demethylation increases sensitivity of neuroblastoma cells to chemotherapeutic drugs. <i>Biochemical Pharmacology</i> , 2012, 83, 858-865.	4.4	49
96	Natural Compounds as Regulators of the Cancer Cell Metabolism. <i>International Journal of Cell Biology</i> , 2013, 2013, 1-16.	2.5	49
97	A Survey of Marine Natural Compounds and Their Derivatives with Anti-Cancer Activity Reported in 2012. <i>Molecules</i> , 2015, 20, 7097-7142.	3.8	49
98	Role of Histone Acetylation in Cell Cycle Regulation. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 732-744.	2.1	49
99	Quercetin downregulates Mcl-1 by acting on mRNA stability and protein degradation. <i>British Journal of Cancer</i> , 2011, 105, 221-230.	6.4	48
100	4-Hydroxybenzoic acid derivatives as HDAC6-specific inhibitors modulating microtubular structure and HSP90 $\alpha$ chaperone activity against prostate cancer. <i>Biochemical Pharmacology</i> , 2016, 99, 31-52.	4.4	48
101	Marine natural products targeting phospholipases A2. <i>Biochemical Pharmacology</i> , 2010, 80, 1793-1800.	4.4	47
102	Oxidative Stress, DNA Damage, and c-Abl Signaling: At the Crossroad in Neurodegenerative Diseases?. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-7.	2.5	47
103	Natural dimers of coumarin, chalcones, and resveratrol and the link between structure and pharmacology. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111637.	5.5	47
104	Targeting the Wntless Signaling Pathway with Natural Compounds as Chemopreventive or Chemotherapeutic Agents. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 245-254.	1.6	46
105	Garlic-derived natural polysulfanes as hydrogen sulfide donors: Friend or foe?. <i>Food and Chemical Toxicology</i> , 2016, 95, 219-233.	3.6	45
106	Aurones: interesting natural and synthetic compounds with emerging biological potential. <i>Natural Product Communications</i> , 2012, 7, 389-94.	0.5	45
107	Regulation of glutathione S-transferase P1-1 gene expression by NF- $\kappa$ B in tumor necrosis factor $\alpha$ -treated K562 leukemia cells. <i>Biochemical Pharmacology</i> , 2004, 67, 1227-1238.	4.4	44
108	The inhibition of TNF- $\alpha$ -induced NF- $\kappa$ B activation by marine natural products. <i>Biochemical Pharmacology</i> , 2009, 78, 592-606.	4.4	44

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109	Curcumin-Induced Cell Death in Two Leukemia Cell Lines: K562 and Jurkat. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 389-392.	3.8	43
110	Synthetic polysulfane derivatives induce cell cycle arrest and apoptotic cell death in human hematopoietic cancer cells. <i>Food and Chemical Toxicology</i> , 2014, 64, 249-257.	3.6	42
111	Identification of Differentially Expressed Proteins in Curcumin-Treated Prostate Cancer Cell Lines. <i>OMICS A Journal of Integrative Biology</i> , 2012, 16, 289-300.	2.0	41
112	Tumor necrosis factor alpha-mediated inhibition of erythropoiesis involves GATA-1/GATA-2 balance impairment and PU.1 over-expression. <i>Biochemical Pharmacology</i> , 2011, 82, 156-166.	4.4	40
113	Embellicines A and B: Absolute Configuration and NF- $\kappa$ B Transcriptional Inhibitory Activity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2991-2999.	6.4	40
114	Antiproliferative and proapoptotic activities of 4-hydroxybenzoic acid-based inhibitors of histone deacetylases. <i>Cancer Letters</i> , 2014, 343, 134-146.	7.2	40
115	Anti-cancer effects of naturally derived compounds targeting histone deacetylase 6-related pathways. <i>Pharmacological Research</i> , 2018, 129, 337-356.	7.1	40
116	5-aza-2'-deoxycytidine-mediated c-myc Down-regulation Triggers Telomere-dependent Senescence by Regulating Human Telomerase Reverse Transcriptase in Chronic Myeloid Leukemia. <i>Neoplasia</i> , 2014, 16, 511-528.	5.3	39
117	Bioactivity of natural biflavonoids in metabolism-related disease and cancer therapies. <i>Pharmacological Research</i> , 2021, 167, 105525.	7.1	39
118	Roles of Apoptosis and Cellular Senescence in Cancer and Aging. <i>Current Drug Targets</i> , 2016, 17, 405-415.	2.1	39
119	Natural compound inducers of immunogenic cell death. <i>Archives of Pharmacol Research</i> , 2019, 42, 629-645.	6.3	38
120	NF- $\kappa$ B-Inhibiting Naphthopyrones from the Fijian Echinoderm <i>Comanthus parvicirrus</i> . <i>Journal of Natural Products</i> , 2008, 71, 106-111.	3.0	37
121	Tumor necrosis factor $\alpha$ induces $\beta$ -glutamyltransferase expression via nuclear factor- $\kappa$ B in cooperation with Sp1. <i>Biochemical Pharmacology</i> , 2009, 77, 397-411.	4.4	37
122	Gene Expression Profiling Related to Anti-Inflammatory Properties of Curcumin in K562 Leukemia Cells. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 391-398.	3.8	37
123	Sp proteins play a critical role in histone deacetylase inhibitor-mediated derepression of <i>CYP46A1</i> gene transcription. <i>Journal of Neurochemistry</i> , 2010, 113, 418-431.	3.9	37
124	The aromatic ketone 4'-hydroxychalcone inhibits TNF $\alpha$ -induced NF- $\kappa$ B activation via proteasome inhibition. <i>Biochemical Pharmacology</i> , 2011, 82, 620-631.	4.4	37
125	DNA damage response: The emerging role of c-Abl as a regulatory switch?. <i>Biochemical Pharmacology</i> , 2011, 82, 1269-1276.	4.4	37
126	Expression of glutathione S-transferase P1-1 in leukemic cells is regulated by inducible AP-1 binding. <i>Cancer Letters</i> , 2004, 216, 207-219.	7.2	36



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127	Epigenetic modulators from “The Big Blue”: A treasure to fight against cancer. <i>Cancer Letters</i> , 2014, 351, 182-197.	7.2	36
128	Natural compounds as inflammation inhibitors. <i>Genes and Nutrition</i> , 2011, 6, 89-92.	2.5	35
129	Properly Substituted Analogues of BIX-01294 Lose Inhibition of G9a Histone Methyltransferase and Gain Selective Anti-DNA Methyltransferase 3A Activity. <i>PLoS ONE</i> , 2014, 9, e96941.	2.5	35
130	Novel inhibitors of human histone deacetylases: Design, synthesis and bioactivity of 3-alkenoylcoumarines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3797-3801.	2.2	35
131	Natural scaffolds in anticancer therapy and precision medicine. <i>Biotechnology Advances</i> , 2018, 36, 1563-1585.	11.7	35
132	Cytostatic hydroxycoumarin OT52 induces ER/Golgi stress and STAT3 inhibition triggering non-canonical cell death and synergy with BH3 mimetics in lung cancer. <i>Cancer Letters</i> , 2018, 416, 94-108.	7.2	35
133	Epigenetic alterations as a universal feature of cancer hallmarks and a promising target for personalized treatments. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 745-776.	2.1	35
134	Valproic acid perturbs hematopoietic homeostasis by inhibition of erythroid differentiation and activation of the myelo-monocytic pathway. <i>Biochemical Pharmacology</i> , 2011, 81, 498-509.	4.4	34
135	Metabolomic Tools to Assess the Chemistry and Bioactivity of Endophytic <i>Aspergillus</i> Strain. <i>Chemistry and Biodiversity</i> , 2017, 14, e1700040.	2.1	34
136	A LIM Domain Protein from Tobacco Involved in Actin-Bundling and Histone Gene Transcription. <i>Molecular Plant</i> , 2013, 6, 483-502.	8.3	33
137	Melatonin promotes Bax sequestration to mitochondria reducing cell susceptibility to apoptosis via the lipoxygenase metabolite 5-hydroxyeicosatetraenoic acid. <i>Mitochondrion</i> , 2015, 21, 113-121.	3.4	33
138	Kinase-independent inhibition of cyclophosphamide-induced pathways protects the ovarian reserve and prolongs fertility. <i>Cell Death and Disease</i> , 2019, 10, 726.	6.3	33
139	Styryl-lactone goniotalamin inhibits TNF- $\alpha$ -induced NF- $\kappa$ B activation. <i>Food and Chemical Toxicology</i> , 2013, 59, 572-578.	3.6	32
140	Eurycomanone and Eurycomanol from <i>Eurycoma longifolia</i> Jack as Regulators of Signaling Pathways Involved in Proliferation, Cell Death and Inflammation. <i>Molecules</i> , 2014, 19, 14649-14666.	3.8	32
141	Tanzawaic acids isolated from a marine-derived fungus of the genus <i>Penicillium</i> with cytotoxic activities. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7248-7256.	2.8	32
142	Natural modulators of the hallmarks of immunogenic cell death. <i>Biochemical Pharmacology</i> , 2019, 162, 55-70.	4.4	32
143	GTP-mediated differentiation of the human K562 cell line: transient overexpression of GATA-1 and stabilization of the $\beta$ -globin mRNA. <i>Leukemia</i> , 2000, 14, 1589-1597.	7.2	31
144	A Survey of Marine Natural Compounds and Their Derivatives with Anti-Cancer Activity Reported in 2010. <i>Molecules</i> , 2011, 16, 5629-5646.	3.8	31

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145	One-Pot Synthesis of Benzopyran-4-ones with Cancer Preventive and Therapeutic Potential. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 965-975.	2.4	31
146	Modulatory roles of glycolytic enzymes in cell death. <i>Biochemical Pharmacology</i> , 2014, 92, 22-30.	4.4	30
147	Natural compounds and pharmaceuticals reprogram leukemia cell differentiation pathways. <i>Biotechnology Advances</i> , 2015, 33, 785-797.	11.7	30
148	Identification of a novel quinoline-based DNA demethylating compound highly potent in cancer cells. <i>Clinical Epigenetics</i> , 2019, 11, 68.	4.1	30
149	Oxidative, multistep activation of the noncanonical NF- $\kappa$ B pathway <i>via</i> disulfide Bcl-2/p50 complex. <i>FASEB Journal</i> , 2009, 23, 45-57.	0.5	29
150	Naturally Occurring Regulators of Histone Acetylation/Deacetylation. <i>Current Nutrition and Food Science</i> , 2010, 6, 78-99.	0.6	29
151	Reversible epigenetic fingerprint-mediated glutathione-S-transferase P1 gene silencing in human leukemia cell lines. <i>Biochemical Pharmacology</i> , 2011, 81, 1329-1342.	4.4	29
152	A novel coumarin-quinone derivative SV37 inhibits CDC25 phosphatases, impairs proliferation, and induces cell death. <i>Molecular Carcinogenesis</i> , 2015, 54, 229-241.	2.7	29
153	Hydroxycoumarin OT-55 kills CML cells alone or in synergy with imatinib or Synribo: Involvement of ER stress and DAMP release. <i>Cancer Letters</i> , 2018, 438, 197-218.	7.2	29
154	Potential role of organic sulfur compounds from <i>Allium</i> species in cancer prevention and therapy. <i>Phytochemistry Reviews</i> , 2009, 8, 349-368.	6.5	28
155	Dietary compounds as potent inhibitors of the signal transducers and activators of transcription (STAT) 3 regulatory network. <i>Genes and Nutrition</i> , 2012, 7, 111-125.	2.5	28
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