

Hany A Omar

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

3,137
citations

136950
32
h-index

189892
50
g-index

117
all docs

117
docs citations

117
times ranked

4882
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of the ACE2 activator xanthenone on tacrolimus nephrotoxicity: Modulation of uric acid/ERK/p38 MAPK and Nrf2/SOD3/GCLC signaling pathways. <i>Life Sciences</i> , 2022, 288, 120154.	4.3	6
2	Antibacterial Activity of Small Molecules Which Eradicate Methicillin-Resistant <i>Staphylococcus aureus</i> Persisters. <i>Frontiers in Microbiology</i> , 2022, 13, 823394.	3.5	12
3	Renoprotective effect of vinpocetine against ischemia/reperfusion injury: Modulation of NADPH oxidase/Nrf2, IKK β /NF κ B p65, and cleaved caspase-3 expressions. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, e23046.	3.0	4
4	Design, synthesis, and biological evaluation of novel pyrido-dipyrimidines as dual topoisomerase II/FLT3 inhibitors in leukemia cells. <i>Bioorganic Chemistry</i> , 2022, 122, 105752.	4.1	2
5	Upadacitinib protects against cisplatin-induced renal and hepatic dysfunction without impairing its anticancer activity. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 172, 106149.	4.0	2
6	Cancer immunotherapy resistance: The impact of microbiome-derived short-chain fatty acids and other emerging metabolites. <i>Life Sciences</i> , 2022, 300, 120573.	4.3	6
7	Design, synthesis, and biological evaluation of a new series of pyrazole derivatives: Discovery of potent and selective JNK3 kinase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 69, 116894.	3.0	2
8	The inhibition of autophagy by spautin boosts the anticancer activity of fingolimod in multidrug-resistant hepatocellular carcinoma. <i>Life Sciences</i> , 2022, 304, 120699.	4.3	4
9	Optimum inhibition of MCF-7 breast cancer cells by efficient targeting of the macropinocytosis using optimized paclitaxel-loaded nanoparticles. <i>Life Sciences</i> , 2022, 305, 120778.	4.3	7
10	Design and synthesis of nature-inspired chromenopyrroles as potential modulators of mitochondrial metabolism. <i>Medicinal Chemistry Research</i> , 2021, 30, 635-646.	2.4	3
11	The dynamic association between COVID-19 and chronic disorders: An updated insight into prevalence, mechanisms and therapeutic modalities. <i>Infection, Genetics and Evolution</i> , 2021, 87, 104647.	2.3	60
12	Design, synthesis, biological evaluation, and modeling studies of novel conformationally-restricted analogues of sorafenib as selective kinase-inhibitory antiproliferative agents against hepatocellular carcinoma cells. <i>European Journal of Medicinal Chemistry</i> , 2021, 210, 113081.	5.5	13
13	Modulating NF κ B, MAPK, and PI3K/AKT signaling by ergothioneine attenuates iron overload-induced hepatocellular injury in rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22729.	3.0	20
14	Tangeretin boosts the anticancer activity of metformin in breast cancer cells via curbing the energy production. <i>Phytomedicine</i> , 2021, 83, 153470.	5.3	12
15	Tangeretin as an adjuvant and chemotherapeutic sensitizer against various types of cancers: a comparative overview. <i>Journal of Pharmacy and Pharmacology</i> , 2021, 73, 601-610.	2.4	4
16	Bee Pollen: Current Status and Therapeutic Potential. <i>Nutrients</i> , 2021, 13, 1876.	4.1	77
17	LRWD1 expression is regulated through DNA methylation in human testicular embryonal carcinoma cells. <i>Basic and Clinical Andrology</i> , 2021, 31, 12.	1.9	5
18	Nuclear factor- κ B signaling inhibitors revert multidrug-resistance in breast cancer cells. <i>Chemico-Biological Interactions</i> , 2021, 340, 109450.	4.0	36

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19	A Novel Benzopyrane Derivative Targeting Cancer Cell Metabolic and Survival Pathways. <i>Cancers</i> , 2021, 13, 2840.	3.7	3
20	Potential targeting of Hep3B liver cancer cells by lupeol isolated from <i>Avicennia marina</i> . <i>Archiv Der Pharmazie</i> , 2021, 354, e2100120.	4.1	10
21	PRMT5 Selective Inhibitor Enhances Therapeutic Efficacy of Cisplatin in Lung Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6131.	4.1	16
22	The Protective Role of Etoricoxib Against Diethylnitrosamine/2-acetylaminofluorene- Induced Hepatocarcinogenesis in Wistar Rats: The Impact of NF- κ B/COX-2/PGE2 Signaling. <i>Current Molecular Pharmacology</i> , 2021, 15, 252-262.	1.5	7
23	Abstract 1244: Discovery of a novel anticancer benzopyrane derivative with an effective multitarget mechanism of action. , 2021, , .		0
24	Discovery of Novel Small-Molecule Inhibitors of SARS-CoV-2 Main Protease as Potential Leads for COVID-19 Treatment. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 4745-4757.	5.4	12
25	Camptothecin's journey from discovery to WHO Essential Medicine: Fifty years of promise. <i>European Journal of Medicinal Chemistry</i> , 2021, 223, 113639.	5.5	63
26	Differential expression of pyruvate dehydrogenase E1A and its inactive phosphorylated form among breast cancer subtypes. <i>Life Sciences</i> , 2021, 284, 119885.	4.3	2
27	CCDC167 as a potential therapeutic target and regulator of cell cycle-related networks in breast cancer. <i>Aging</i> , 2021, 13, 4157-4181.	3.1	22
28	Comparative sphingolipidomic analysis reveals significant differences between doxorubicin-sensitive and -resistance MCF-7 cells. <i>PLoS ONE</i> , 2021, 16, e0258363.	2.5	8
29	BACE1 inhibitors: Current status and future directions in treating Alzheimer's disease. <i>Medicinal Research Reviews</i> , 2020, 40, 339-384.	10.5	177
30	Disrupting cancer dynamics by a novel pleiotropic benzopyrane derivative. <i>European Journal of Cancer</i> , 2020, 138, S38.	2.8	0
31	Ferroptosis: An emerging approach for targeting cancer stem cells and drug resistance. <i>Critical Reviews in Oncology/Hematology</i> , 2020, 155, 103095.	4.4	73
32	Synthesis, biological evaluation and kinase profiling of novel S-benzo[4,5]thiazolo[2,3-c][1,2,4]triazole derivatives as cytotoxic agents with apoptosis-inducing activity. <i>Journal of Molecular Structure</i> , 2020, 1219, 128567.	3.6	23
33	Recent advances with alkaline phosphatase isoenzymes and their inhibitors. <i>Archiv Der Pharmazie</i> , 2020, 353, e2000011.	4.1	48
34	Tackling the cytokine storm in COVID-19, challenges and hopes. <i>Life Sciences</i> , 2020, 257, 118054.	4.3	64
35	Antiproliferative activity of cycloalkanecarboxamide derivatives possessing sulfonate or sulfamate moiety. <i>Bioorganic Chemistry</i> , 2020, 97, 103677.	4.1	6
36	The use of new quinazolinone derivative and doxorubicin loaded solid lipid nanoparticles in reversing drug resistance in experimental cancer cell lines: A systematic study. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 56, 101569.	3.0	11

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37	Design and synthesis of new energy restriction mimetic agents: Potent anti-tumor activities of hybrid motifs of aminothiazoles and coumarins. <i>Scientific Reports</i> , 2020, 10, 2893.	3.3	15
38	Gliclazide attenuates acetic acid-induced colitis via the modulation of PPAR β , NF- κ B and MAPK signaling pathways. <i>Toxicology and Applied Pharmacology</i> , 2020, 391, 114919.	2.8	17
39	Effective targeting of breast cancer cells (MCF7) via novel biogenic synthesis of gold nanoparticles using cancer-derived metabolites. <i>PLoS ONE</i> , 2020, 15, e0240156.	2.5	15
40	Abstract 4107: The impact of NF- κ B inhibition on the sensitivity of breast cancer cells to chemotherapy-induced apoptosis. , 2020, , .		0
41	Thiohydantoin derivatives incorporating a pyrazole core: Design, synthesis and biological evaluation as dual inhibitors of topoisomerase-I and cyclooxygenase-2 with anti-cancer and anti-inflammatory activities. <i>Bioorganic Chemistry</i> , 2019, 91, 103132.	4.1	35
42	Immunomodulatory MicroRNAs in cancer: targeting immune checkpoints and the tumor microenvironment. <i>FEBS Journal</i> , 2019, 286, 3540-3557.	4.7	59
43	Synthesis, biological evaluation, and docking studies of new raloxifene sulfonate or sulfamate derivatives as inhibitors of nucleotide pyrophosphatase/phosphodiesterase. <i>European Journal of Medicinal Chemistry</i> , 2019, 181, 111560.	5.5	24
44	Sequencing [4 + 1]-Cycloaddition and Aza-Michael Addition Reactions: A Diastereoselective Cascade for the Rapid Access of Pyrido[2,1- ϵ :2,3']Thiazolo[2,3- ϵ :2,3']imidazo[1,5- ϵ :1,4']quinolone Scaffolds as Potential Antibacterial and Anticancer Motifs. <i>Journal of Organic Chemistry</i> , 2019, 84, 14476-14486.	3.2	23
45	Tackling molecular targets beyond PD-1/PD-L1: Novel approaches to boost patients' response to cancer immunotherapy. <i>Critical Reviews in Oncology/Hematology</i> , 2019, 135, 21-29.	4.4	23
46	The impact of Catechol-O-methyl transferase knockdown on the cell proliferation of hormone-responsive cancers. <i>Molecular and Cellular Endocrinology</i> , 2019, 488, 79-88.	3.2	14
47	Identification of SEPTIN12 as a novel target of the androgen and estrogen receptors in human testicular cells. <i>Biochimie</i> , 2019, 158, 1-9.	2.6	3
48	Constraining Multi-Drug Resistance in Breast Cancer Cells by Energy Restriction. <i>FASEB Journal</i> , 2019, 33, 675.18.	0.5	0
49	L-carnitine mitigates UVA-induced skin tissue injury in rats through downregulation of oxidative stress, p38/c-Fos signaling, and the proinflammatory cytokines. <i>Chemico-Biological Interactions</i> , 2018, 285, 40-47.	4.0	32
50	Design, synthesis and anticancer evaluation of novel spirobenzo[h]chromene and spirochromane derivatives with dual EGFR and B-Raf inhibitory activities. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 567-578.	5.5	40
51	Energy restriction as a novel approach targeting breast cancer stem cells multi-drug resistance. <i>Annals of Oncology</i> , 2018, 29, iii20-iii21.	1.2	1
52	Caffeic acid phenethyl ester guards against benign prostate hypertrophy in rats: Role of IGF-1R/protein kinase B (Akt)/ β -catenin signaling. <i>IUBMB Life</i> , 2018, 70, 519-528.	3.4	9
53	Bis-(5-substituted-2-thiono-1,3,5-thiadiazinan-3-yl) butane as a scaffold of anti-proliferative activity, blended by a multicomponent process. <i>Medicinal Chemistry Research</i> , 2018, 27, 1103-1110.	2.4	10
54	Immunotherapy, an evolving approach for the management of triple negative breast cancer: Converting non-responders to responders. <i>Critical Reviews in Oncology/Hematology</i> , 2018, 122, 202-207.	4.4	43

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55	Nuclear factor erythroid-2-related factor regulates LRWD1 expression and cellular adaptation to oxidative stress in human embryonal carcinoma cells. <i>Biochimie</i> , 2018, 148, 99-106.	2.6	4
56	PO-453 Effect of GLP-1 on proliferation and migration in pheochromocytoma and colorectal cancer cells. <i>ESMO Open</i> , 2018, 3, A199-A200.	4.5	1
57	Multidirectional desymmetrization of pluripotent building block en route to diastereoselective synthesis of complex nature-inspired scaffolds. <i>Nature Communications</i> , 2018, 9, 4989.	12.8	32
58	<i>Antrodia cinnamomea</i> boosts the anti-tumor activity of sorafenib in xenograft models of human hepatocellular carcinoma. <i>Scientific Reports</i> , 2018, 8, 12914.	3.3	14
59	Enhancing the Anticancer Activity of <i>Antrodia cinnamomea</i> in Hepatocellular Carcinoma Cells via Cocultivation With Ginger: The Impact on Cancer Cell Survival Pathways. <i>Frontiers in Pharmacology</i> , 2018, 9, 780.	3.5	20
60	Tackling Cancer Resistance by Immunotherapy: Updated Clinical Impact and Safety of PD-1/PD-L1 Inhibitors. <i>Cancers</i> , 2018, 10, 32.	3.7	54
61	A neuroprotective role of kaempferol against chlorpyrifos-induced oxidative stress and memory deficits in rats via GSK3 β -Nrf2 signaling pathway. <i>Pesticide Biochemistry and Physiology</i> , 2018, 152, 29-37.	3.6	79
62	Mechanical and phytochemical protection mechanisms of <i>Calligonum comosum</i> in arid deserts. <i>PLoS ONE</i> , 2018, 13, e0192576.	2.5	23
63	Design, synthesis and biological evaluation of new 4-(4-substituted-anilino)quinoline derivatives as anticancer agents. <i>Medicinal Chemistry Research</i> , 2017, 26, 929-939.	2.4	35
64	Caffeic acid phenethyl ester protects against glucocorticoid-induced osteoporosis in vivo : Impact on oxidative stress and RANKL/OPG signals. <i>Toxicology and Applied Pharmacology</i> , 2017, 324, 26-35.	2.8	43
65	Camel Milk Attenuates Rheumatoid Arthritis Via Inhibition of Mitogen Activated Protein Kinase Pathway. <i>Cellular Physiology and Biochemistry</i> , 2017, 43, 540-552.	1.6	41
66	Pyrrolizines: Design, synthesis, anticancer evaluation and investigation of the potential mechanism of action. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5637-5651.	3.0	21
67	Design, synthesis and biological evaluation of new pyrrolidine carboxamide analogues as potential chemotherapeutic agents for hepatocellular carcinoma. <i>European Journal of Medicinal Chemistry</i> , 2017, 139, 804-814.	5.5	18
68	Novel diphenylthiazole derivatives with multi-target mechanism: Synthesis, docking study, anticancer and anti-inflammatory activities. <i>Bioorganic Chemistry</i> , 2017, 75, 127-138.	4.1	41
69	Design, synthesis and biological evaluation of some novel benzothiazole/benzoxazole and/or benzimidazole derivatives incorporating a pyrazole scaffold as antiproliferative agents. <i>Bioorganic Chemistry</i> , 2017, 74, 82-90.	4.1	79
70	Design, synthesis and analgesic/anti-inflammatory evaluation of novel diarylthiazole and diarylimidazole derivatives towards selective COX-1 inhibitors with better gastric profile. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 665-676.	3.0	35
71	Abstract A23: Novel approach for targeting hepatocellular carcinoma cell survival: OSU-2S/Sorafenib combination. , 2017, , .		0
72	Abstract B45: Insights into the anti-prostate cancer activity of pterostilbene. , 2017, , .		0

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73	Abstract 4174: The impact of catechol estrogen metabolism on the proliferation rate and Docetaxel (DOC) resistance in hormone-responsive cancers. , 2017, , .		0
74	Caffeic Acid Phenethyl Ester: A Review of Its Antioxidant Activity, Protective Effects against Ischemia-reperfusion Injury and Drug Adverse Reactions. Critical Reviews in Food Science and Nutrition, 2016, 56, 2183-2190.	10.3	84
75	OSU-2S/Sorafenib Synergistic Antitumor Combination against Hepatocellular Carcinoma: The Role of PKC α /p53. Frontiers in Pharmacology, 2016, 7, 463.	3.5	29
76	Reactive oxygen species mediate Terbufos-induced apoptosis in mouse testicular cell lines via the modulation of cell cycle and pro-apoptotic proteins. Environmental Toxicology, 2016, 31, 1888-1898.	4.0	57
77	Novel Thymohydroquinone Derivatives as Potential Anticancer Agents: Design, Synthesis, and Biological Screening. Australian Journal of Chemistry, 2016, 69, 1277.	0.9	6
78	Hesperidin alleviates cisplatin-induced hepatotoxicity in rats without inhibiting its antitumor activity. Pharmacological Reports, 2016, 68, 349-356.	3.3	70
79	3-Methyl-2-phenyl-1-substituted-indole derivatives as indomethacin analogs: design, synthesis and biological evaluation as potential anti-inflammatory and analgesic agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 318-324.	5.2	63
80	Tangeretin Alleviates Cisplatin-Induced Acute Hepatic Injury in Rats: Targeting MAPKs and Apoptosis. PLoS ONE, 2016, 11, e0151649.	2.5	102
81	Lipoic Acid and Coenzyme Q10 Protect Against Lead-induced Toxicity in Rats with Metabolic Syndrome. International Journal of Pharmacology, 2016, 12, 146-153.	0.3	1
82	Different Protective Effects of Trimetazidine against Renal Ischemia/Reperfusion Injury in Rats. British Journal of Pharmacology and Toxicology, 2015, 6, 64-69.	0.3	4
83	Nebivolol and chrysin protect the liver against ischemia/reperfusion-induced injury in rats. Beni-Suef University Journal of Basic and Applied Sciences, 2015, 4, 86-92.	2.0	6
84	6-Shogaol induces cell cycle arrest and apoptosis in human hepatoma cells through pleiotropic mechanisms. European Journal of Pharmacology, 2015, 762, 449-458.	3.5	32
85	Glutamyl cysteine dipeptide suppresses ferritin expression and alleviates liver injury in iron-overload rat model. Biochimie, 2015, 115, 203-211.	2.6	33
86	Diosmin Protects against Ethanol-Induced Gastric Injury in Rats: Novel Anti-Ulcer Actions. PLoS ONE, 2015, 10, e0122417.	2.5	174
87	Synthesis, characterization and biological evaluation of novel 4-fluoro-2-hydroxy-chalcone derivatives as antioxidant, anti-inflammatory and analgesic agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 484-491.	5.2	28
88	Abstract 4505: Activity and avascular penetration of FTY720 (fingolimod) and its non-immune suppressant analogue (OSU2S) within three dimensional tissue culture model of colorectal cancer. , 2015, , .		0
89	Rosuvastatin and ellagic acid protect against isoproterenol-induced myocardial infarction in hyperlipidemic rats. Beni-Suef University Journal of Basic and Applied Sciences, 2014, 3, 239-246.	2.0	7
90	Modulation of Cyclins, p53 and Mitogen-Activated Protein Kinases Signaling in Breast Cancer Cell Lines by 4-(3,4,5-Trimethoxyphenoxy)benzoic Acid. International Journal of Molecular Sciences, 2014, 15, 743-757.	4.1	8

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91	Potential targets of energy restriction mimetic agents in cancer cells. <i>Future Oncology</i> , 2014, 10, 2547-2550.	2.4	4
92	Nicotine Mediates Hypochlorous Acid-Induced Nuclear Protein Damage in Mammalian Cells. <i>Inflammation</i> , 2014, 37, 785-792.	3.8	29
93	Sensitization of Hepatocellular Carcinoma Cells to Apo2L by a Novel Akt/NF- κ B Signalling Inhibitor. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014, 114, 464-471.	2.5	29
94	Camel's milk ameliorates TNBS-induced colitis in rats via downregulation of inflammatory cytokines and oxidative stress. <i>Food and Chemical Toxicology</i> , 2014, 69, 294-302.	3.6	82
95	Iron supplementation at high altitudes induces inflammation and oxidative injury to lung tissues in rats. <i>Toxicology and Applied Pharmacology</i> , 2014, 274, 1-6.	2.8	26
96	Design, synthesis and biological evaluation of novel diphenylthiazole-based cyclooxygenase inhibitors as potential anticancer agents. <i>Bioorganic Chemistry</i> , 2014, 57, 132-141.	4.1	31
97	OSU-CG5, a novel energy restriction mimetic agent, targets human colorectal cancer cells in vitro. <i>Acta Pharmacologica Sinica</i> , 2014, 35, 394-400.	6.1	33
98	Novel pyrazolopyrimidine derivatives targeting COXs and iNOS enzymes; design, synthesis and biological evaluation as potential anti-inflammatory agents. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 62, 197-211.	4.0	66
99	Iron supplementation at high altitude induces inflammation and oxidative injury to lung tissues in rats (708.7). <i>FASEB Journal</i> , 2014, 28, 708.7.	0.5	2
100	Protective effects of camel's milk in tri-nitrobenzenesulfonic acid-induced colitis in rats: modulation of inflammatory cytokines and oxidative stress (134.6). <i>FASEB Journal</i> , 2014, 28, 134.6.	0.5	0
101	OSU-A9 inhibits angiogenesis in human umbilical vein endothelial cells via disrupting Akt/NF- κ B and MAPK signaling pathways. <i>Toxicology and Applied Pharmacology</i> , 2013, 272, 616-624.	2.8	40
102	Design, synthesis and biological evaluation of novel triaryl (Z)-olefins as tamoxifen analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4960-4963.	2.2	16
103	Design, synthesis and pharmacological evaluation of omeprazole-like agents with anti-inflammatory activity. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1661-1670.	3.0	46
104	Antitumor effects of energy restriction-mimetic agents: thiazolidinediones. <i>Biological Chemistry</i> , 2013, 394, 865-870.	2.5	12
105	Synthesis, Anticancer Activity, and Molecular Modeling of Some Benzothiazole and Benzoxazole Derivatives. <i>Archiv Der Pharmazie</i> , 2013, 346, 534-541.	4.1	33
106	Energy restriction: stepping stones towards cancer therapy. <i>Future Oncology</i> , 2012, 8, 1503-1506.	2.4	11
107	Abstract B48: Sensitization of Hepatocellular Carcinoma Cells to TRAIL by a Novel Akt/NF- κ B Signaling Inhibitor. <i>Clinical Cancer Research</i> , 2012, 18, B48-B48.	7.0	0
108	Antitumor effects of (S)-HDAC42, a phenylbutyrate-derived histone deacetylase inhibitor, in multiple myeloma cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2011, 68, 489-496.	2.3	29

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109	Pharmacological Exploitation of Indole-3-Carbinol to Develop Potent Antitumor Agents. Mini-Reviews in Medicinal Chemistry, 2010, 10, 398-404.	2.4	24
110	A novel indole-3-carbinol derivative inhibits the growth of human oral squamous cell carcinoma in vitro. Oral Oncology, 2010, 46, 748-754.	1.5	22
111	Energy restriction as an antitumor target. Future Oncology, 2010, 6, 1675-1679.	2.4	15
112	OSU-A9, a potent indole-3-carbinol derivative, suppresses breast tumor growth by targeting the Akt-NF- κ B pathway and stress response signaling. Carcinogenesis, 2009, 30, 1702-1709.	2.8	30
113	Targeting of the Akt-Nuclear Factor- κ B Signaling Network by [1-(4-Chloro-3-nitrobenzenesulfonyl)-1 <i>H</i> -indol-3-yl]-methanol (OSU-A9), a Novel Indole-3-Carbinol Derivative, in a Mouse Model of Hepatocellular Carcinoma. Molecular Pharmacology, 2009, 76, 957-968.	2.3	57