

Karen T Liby

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

6,797
citations

41
h-index

82
g-index

94
ext. papers

7,381
ext. citations

6.3
avg. IF

5.79
L-index

#	Paper	IF	Citations
92	NRF2 and cancer: the good, the bad and the importance of context. <i>Nature Reviews Cancer</i> , 2012 , 12, 564-71	31.3	725
91	Triterpenoids and rexinoids as multifunctional agents for the prevention and treatment of cancer. <i>Nature Reviews Cancer</i> , 2007 , 7, 357-69	31.3	508
90	Extremely potent triterpenoid inducers of the phase 2 response: correlations of protection against oxidant and inflammatory stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 4584-9	11.5	445
89	Synthetic oleanane triterpenoids: multifunctional drugs with a broad range of applications for prevention and treatment of chronic disease. <i>Pharmacological Reviews</i> , 2012 , 64, 972-1003	22.5	288
88	Targeting Nrf2 with the triterpenoid CDDO-imidazolide attenuates cigarette smoke-induced emphysema and cardiac dysfunction in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 250-5	11.5	286
87	Nrf2-dependent protection from LPS induced inflammatory response and mortality by CDDO-imidazolide. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 351, 883-9	3.4	272
86	New synthetic triterpenoids: potent agents for prevention and treatment of tissue injury caused by inflammatory and oxidative stress. <i>Journal of Natural Products</i> , 2011 , 74, 537-45	4.9	246
85	Anti-inflammatory triterpenoid blocks immune suppressive function of MDSCs and improves immune response in cancer. <i>Clinical Cancer Research</i> , 2010 , 16, 1812-23	12.9	225
84	Genetic versus chemoprotective activation of Nrf2 signaling: overlapping yet distinct gene expression profiles between Keap1 knockout and triterpenoid-treated mice. <i>Carcinogenesis</i> , 2009 , 30, 1024-31	4.6	221
83	Protection against UV-light-induced skin carcinogenesis in SKH-1 high-risk mice by sulforaphane-containing broccoli sprout extracts. <i>Cancer Letters</i> , 2006 , 240, 243-52	9.9	183
82	Potent protection against aflatoxin-induced tumorigenesis through induction of Nrf2-regulated pathways by the triterpenoid 1-[2-cyano-3-,12-dioxooleana-1,9(11)-dien-28-oyl]imidazole. <i>Cancer Research</i> , 2006 , 66, 2488-94	10.1	171
81	Neuroprotective effect of Nrf2/ARE activators, CDDO ethylamide and CDDO trifluoroethylamide, in a mouse model of amyotrophic lateral sclerosis. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 88-96	7.8	156
80	Triterpenoids CDDO-ethyl amide and CDDO-trifluoroethyl amide improve the behavioral phenotype and brain pathology in a transgenic mouse model of Huntington's disease. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 147-58	7.8	134
79	Genetic or pharmacologic amplification of nrf2 signaling inhibits acute inflammatory liver injury in mice. <i>Toxicological Sciences</i> , 2008 , 104, 218-27	4.4	129
78	Neuroprotective effects of the triterpenoid, CDDO methyl amide, a potent inducer of Nrf2-mediated transcription. <i>PLoS ONE</i> , 2009 , 4, e5757	3.7	128
77	The synthetic triterpenoids CDDO-methyl ester and CDDO-ethyl amide prevent lung cancer induced by vinyl carbamate in A/J mice. <i>Cancer Research</i> , 2007 , 67, 2414-9	10.1	128
76	Targeting Nrf2-mediated gene transcription by extremely potent synthetic triterpenoids attenuate dopaminergic neurotoxicity in the MPTP mouse model of Parkinson's disease. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 139-57	8.4	125

75	Prolactin as an autocrine/paracrine growth factor in human cancer. <i>Trends in Endocrinology and Metabolism</i> , 2002 , 13, 245-50	8.8	121
74	Preclinical evaluation of targeting the Nrf2 pathway by triterpenoids (CDDO-Im and CDDO-Me) for protection from LPS-induced inflammatory response and reactive oxygen species in human peripheral blood mononuclear cells and neutrophils. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 1963-70	8.4	115
73	Cancer chemoprevention: scientific promise, clinical uncertainty. <i>Nature Clinical Practice Oncology</i> , 2005 , 2, 518-25		112
72	The synthetic triterpenoid 1-[2-cyano-3,12-dioxooleana-1,9(11)-dien-28-oyl]imidazole blocks nuclear factor-kappaB activation through direct inhibition of I kappaB kinase beta. <i>Molecular Cancer Therapeutics</i> , 2006 , 5, 3232-9	6.1	105
71	The synthetic triterpenoid CDDO-Imidazolide suppresses STAT phosphorylation and induces apoptosis in myeloma and lung cancer cells. <i>Clinical Cancer Research</i> , 2006 , 12, 4288-93	12.9	101
70	Triterpenoid CDDO-methylamide improves memory and decreases amyloid plaques in a transgenic mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2009 , 109, 502-12	6	91
69	Proteomic analysis shows synthetic oleanane triterpenoid binds to mTOR. <i>PLoS ONE</i> , 2011 , 6, e22862	3.7	74
68	Synthetic triterpenoids attenuate cytotoxic retinal injury: cross-talk between Nrf2 and PI3K/AKT signaling through inhibition of the lipid phosphatase PTEN 2009 , 50, 5339-47		74
67	Bromodomain inhibitors, JQ1 and I-BET 762, as potential therapies for pancreatic cancer. <i>Cancer Letters</i> , 2017 , 394, 76-87	9.9	73
66	Synthetic triterpenoids prolong survival in a transgenic mouse model of pancreatic cancer. <i>Cancer Prevention Research</i> , 2010 , 3, 1427-34	3.2	72
65	Triterpenoid modulation of IL-17 and Nrf-2 expression ameliorates neuroinflammation and promotes remyelination in autoimmune encephalomyelitis. <i>Scientific Reports</i> , 2011 , 1, 201	4.9	71
64	Prolactin overexpression by MDA-MB-435 human breast cancer cells accelerates tumor growth. <i>Breast Cancer Research and Treatment</i> , 2003 , 79, 241-52	4.4	63
63	Prevention and treatment of experimental estrogen receptor-negative mammary carcinogenesis by the synthetic triterpenoid CDDO-methyl Ester and the rexinoid LG100268. <i>Clinical Cancer Research</i> , 2008 , 14, 4556-63	12.9	62
62	The selective estrogen receptor modulator arzoxifene and the rexinoid LG100268 cooperate to promote transforming growth factor beta-dependent apoptosis in breast cancer. <i>Cancer Research</i> , 2004 , 64, 3566-71	10.1	57
61	The PARP inhibitors, veliparib and olaparib, are effective chemopreventive agents for delaying mammary tumor development in BRCA1-deficient mice. <i>Cancer Prevention Research</i> , 2014 , 7, 698-707	3.2	55
60	Novel semisynthetic analogues of betulonic acid with diverse cytoprotective, antiproliferative, and proapoptotic activities. <i>Molecular Cancer Therapeutics</i> , 2007 , 6, 2113-9	6.1	53
59	Design, synthesis, and biological evaluation of biotin conjugates of 2-cyano-3,12-dioxooleana-1,9(11)-dien-28-oic acid for the isolation of the protein targets. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 4923-32	8.3	51
58	Receptor tyrosine kinase ERBB4 mediates acquired resistance to ERBB2 inhibitors in breast cancer cells. <i>Cell Cycle</i> , 2015 , 14, 648-55	4.7	49

57	Nip63-mediated activation of bone morphogenetic protein signaling governs stem cell activity and plasticity in normal and malignant mammary epithelial cells. <i>Cancer Research</i> , 2013 , 73, 1020-30	10.1	48
56	The combination of the rexinoid, LG100268, and a selective estrogen receptor modulator, either arzoxifene or acolbifene, synergizes in the prevention and treatment of mammary tumors in an estrogen receptor-negative model of breast cancer. <i>Clinical Cancer Research</i> , 2006 , 12, 5902-9	12.9	48
55	Dimethyl fumarate and the oleanane triterpenoids, CDDO-imidazolide and CDDO-methyl ester, both activate the Nrf2 pathway but have opposite effects in the A/J model of lung carcinogenesis. <i>Carcinogenesis</i> , 2015 , 36, 769-81	4.6	46
54	A novel acetylenic tricyclic bis-(cyano enone) potently induces phase 2 cytoprotective pathways and blocks liver carcinogenesis induced by aflatoxin. <i>Cancer Research</i> , 2008 , 68, 6727-33	10.1	44
53	Triterpenoids CDDO-methyl ester or CDDO-ethyl amide and rexinoids LG100268 or NRX194204 for prevention and treatment of lung cancer in mice. <i>Cancer Prevention Research</i> , 2009 , 2, 1050-8	3.2	42
52	JunB and JunD regulate human heme oxygenase-1 gene expression in renal epithelial cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 6875-86	5.4	42
51	CDDO-methyl ester delays breast cancer development in BRCA1-mutated mice. <i>Cancer Prevention Research</i> , 2012 , 5, 89-97	3.2	41
50	The synthetic triterpenoid CDDO-imidazolide induces monocytic differentiation by activating the Smad and ERK signaling pathways in HL60 leukemia cells. <i>Molecular Cancer Therapeutics</i> , 2006 , 5, 1452-8	6.1	40
49	The synthetic triterpenoid CDDO-methyl ester delays estrogen receptor-negative mammary carcinogenesis in polyoma middle T mice. <i>Cancer Prevention Research</i> , 2012 , 5, 726-34	3.2	37
48	The combination of the histone deacetylase inhibitor vorinostat and synthetic triterpenoids reduces tumorigenesis in mouse models of cancer. <i>Carcinogenesis</i> , 2013 , 34, 199-210	4.6	35
47	Platforms and networks in triterpenoid pharmacology. <i>Drug Development Research</i> , 2007 , 68, 174-182	5.1	35
46	CDDO-imidazolide induces DNA damage, G2/M arrest and apoptosis in BRCA1-mutated breast cancer cells. <i>Cancer Prevention Research</i> , 2011 , 4, 425-34	3.2	31
45	Proteolysis of human prolactin: resistance to cathepsin D and formation of a nonangiostatic, C-terminal 16K fragment by thrombin. <i>Endocrinology</i> , 1999 , 140, 4127-32	4.8	31
44	The rexinoid LG100268 and the synthetic triterpenoid CDDO-methyl amide are more potent than erlotinib for prevention of mouse lung carcinogenesis. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 1251-7	6.1	30
43	A new rexinoid, NRX194204, prevents carcinogenesis in both the lung and mammary gland. <i>Clinical Cancer Research</i> , 2007 , 13, 6237-43	12.9	29
42	CDDO-Me Redirects Activation of Breast Tumor Associated Macrophages. <i>PLoS ONE</i> , 2016 , 11, e0149600	3.7	25
41	The synthetic triterpenoid (CDDO-Im) inhibits STAT3, as well as IL-17, and improves DSS-induced colitis in mice. <i>Inflammopharmacology</i> , 2014 , 22, 341-9	5.1	23
40	The synthetic triterpenoid CDDO-Imidazolide suppresses experimental liver metastasis. <i>Clinical and Experimental Metastasis</i> , 2011 , 28, 309-17	4.7	23

39	A synthetic triterpenoid CDDO-Im inhibits tumorsphere formation by regulating stem cell signaling pathways in triple-negative breast cancer. <i>PLoS ONE</i> , 2014 , 9, e107616	3.7	22
38	Human neuroblastoma cells rapidly enter cell cycle arrest and apoptosis following exposure to C-28 derivatives of the synthetic triterpenoid CDDO. <i>Cancer Biology and Therapy</i> , 2008 , 7, 709-17	4.6	21
37	Identification of an Unfavorable Immune Signature in Advanced Lung Tumors from Nrf2-Deficient Mice. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 1535-1552	8.4	20
36	Differential effects of the Nrf2 activators tBHQ and CDDO-Im on the early events of T cell activation. <i>Biochemical Pharmacology</i> , 2018 , 147, 67-76	6	20
35	Novel synthetic pyridyl analogues of CDDO-Imidazolide are useful new tools in cancer prevention. <i>Pharmacological Research</i> , 2015 , 100, 135-47	10.2	19
34	Oral administration of a gemini vitamin D analog, a synthetic triterpenoid and the combination prevents mammary tumorigenesis driven by ErbB2 overexpression. <i>Cancer Prevention Research</i> , 2013 , 6, 959-70	3.2	18
33	Chemoprevention of Preclinical Breast and Lung Cancer with the Bromodomain Inhibitor I-BET 762. <i>Cancer Prevention Research</i> , 2018 , 11, 143-156	3.2	16
32	The Rexinoids LG100268 and LG101506 Inhibit Inflammation and Suppress Lung Carcinogenesis in A/J Mice. <i>Cancer Prevention Research</i> , 2016 , 9, 105-14	3.2	15
31	Is lycopene an effective agent for preventing prostate cancer?. <i>Cancer Prevention Research</i> , 2013 , 6, 384-392	3.2	13
30	A dicyanotriterpenoid induces cytoprotective enzymes and reduces multiplicity of skin tumors in UV-irradiated mice. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 367, 859-65	3.4	13
29	Endostatin expression by MDA-MB-435 breast cancer cells effectively inhibits tumor growth. <i>Cancer Biology and Therapy</i> , 2003 , 2, 48-52	4.6	13
28	Nrf2-Dependent and -Independent Effects of -Butylhydroquinone, CDDO-Im, and HO in Human Jurkat T Cells as Determined by CRISPR/Cas9 Gene Editing. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017 , 361, 259-267	4.7	12
27	An efficient synthesis of methyl 2-cyano-3,12-dioxoursol-1,9-dien-28-oate (CDDU-methyl ester): analogues, biological activities, and comparison with oleanolic acid derivatives. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 5192-200	3.9	12
26	CDDO-Me Alters the Tumor Microenvironment in Estrogen Receptor Negative Breast Cancer. <i>Scientific Reports</i> , 2020 , 10, 6560	4.9	11
25	The Rho/MRTF pathway inhibitor CCG-222740 reduces stellate cell activation and modulates immune cell populations in Kras; Pdx1-Cre (KC) mice. <i>Scientific Reports</i> , 2019 , 9, 7072	4.9	10
24	Synthetic oleanane triterpenoids enhance blood brain barrier integrity and improve survival in experimental cerebral malaria. <i>Malaria Journal</i> , 2017 , 16, 463	3.6	10
23	Synthesis and biological evaluation of amino acid methyl ester conjugates of 2-cyano-3,12-dioxoleana-1,9(11)-dien-28-oic acid against the production of nitric oxide (NO). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 532-4	2.9	10
22	Synthetic triterpenoids can protect against toxicity without reducing the efficacy of treatment with Carboplatin and Paclitaxel in experimental lung cancer. <i>Dose-Response</i> , 2014 , 12, 136-51	2.3	9

21	2-Cyano-3,10-dioxooleana-1,9(11)-dien-28-oic acid anhydride. A novel and highly potent anti-inflammatory and cytoprotective agent. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 2275-8 ²⁻⁹	9
20	Rexinoids for Prevention and Treatment of Cancer: Opportunities and Challenges. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 721-730	3 9
19	The triterpenoid CDDO-imidazolidine reduces immune cell infiltration and cytokine secretion in the KrasG12D;Pdx1-Cre (KC) mouse model of pancreatic cancer. <i>Carcinogenesis</i> , 2016 , 37, 1170-1179	4.6 9
18	Testing Novel Pyrimidinyl Rexinoids: A New Paradigm for Evaluating Rexinoids for Cancer Prevention. <i>Cancer Prevention Research</i> , 2019 , 12, 211-224	3.2 8
17	Design, synthesis, and biological activity of second-generation synthetic oleanane triterpenoids. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 6001-6005	3.9 8
16	Dehydroabietic oximes halt pancreatic cancer cell growth in the G1 phase through induction of p27 and downregulation of cyclin D1. <i>Scientific Reports</i> , 2018 , 8, 15923	4.9 8
15	Retinoid X receptor agonist LG100268 modulates the immune microenvironment in preclinical breast cancer models. <i>Npj Breast Cancer</i> , 2019 , 5, 39	7.8 7
14	The novel rexinoid MSU-42011 is effective for the treatment of preclinical Kras-driven lung cancer. <i>Scientific Reports</i> , 2020 , 10, 22244	4.9 5
13	The Bromodomain Inhibitor, INCB057643, Targets Both Cancer Cells and the Tumor Microenvironment in Two Preclinical Models of Pancreatic Cancer. <i>Cancers</i> , 2020 , 13,	6.6 4
12	Potential therapeutic uses of rexinoids. <i>Advances in Pharmacology</i> , 2021 , 91, 141-183	5.7 4
11	Murine Models of Pancreatitis Leading to the Development of Pancreatic Cancer. <i>Current Protocols in Pharmacology</i> , 2018 , 83, e48	4.1 4
10	The RXR Agonist MSU42011 Is Effective for the Treatment of Preclinical HER2+ Breast Cancer and Kras-Driven Lung Cancer. <i>Cancers</i> , 2021 , 13,	6.6 3
9	Rexinoids for prevention and treatment of cancer: opportunities and challenges. <i>Current Topics in Medicinal Chemistry</i> , 2016 ,	3 3
8	A BET Bromodomain Inhibitor Suppresses Adiposity-Associated Malignant Transformation. <i>Cancer Prevention Research</i> , 2018 , 11, 129-142	3.2 2
7	Identifying chemopreventive agents for obesity-associated cancers using an efficient, 3D high-throughput transformation assay. <i>Scientific Reports</i> , 2019 , 9, 10278	4.9 2
6	Nanoformulated Talazoparib enhances the efficacy and reduces the toxicity of this PARP inhibitor in a preclinical model of BRCA-deficient breast cancer. <i>FASEB Journal</i> , 2018 , 32, 565.10	0.9 1
5	A Novel Nrf2 Pathway Inhibitor Sensitizes Keap1-Mutant Lung Cancer Cells to Chemotherapy. <i>Molecular Cancer Therapeutics</i> , 2021 , 20, 1692-1701	6.1 1
4	Sustained, local delivery of the PARP inhibitor talazoparib prevents the development of mammary gland hyperplasia in Brca1-deficient mice. <i>Scientific Reports</i> , 2021 , 11, 1234	4.9 1

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| 3 | PARP inhibitors for chemoprevention--reply. <i>Cancer Prevention Research</i> , 2014 , 7, 1172 | 3.2 | o |
| 2 | Meeting Report: Translational Advances in Cancer Prevention Agent Development Meeting. <i>Journal of Cancer Prevention</i> , 2021 , 26, 71-82 | 3 | o |
| 1 | T Cells and CDDO-Me Attenuate Immunosuppressive Activation of Human Melanoma-Conditioned Macrophages.. <i>Frontiers in Immunology</i> , 2022 , 13, 768753 | 8.4 | o |