Robert C Smart

List of Publications by Year
in descending order

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60 papers	2,975 citations	172386 29 h-index	161767 54 g-index
60 all docs	60 docs citations	60 times ranked	3459 citing authors

#	Article	IF	Citations
1	Deficiency of either cyclooxygenase (COX)-1 or COX-2 alters epidermal differentiation and reduces mouse skin tumorigenesis. Cancer Research, 2002, 62, 3395-401.	0.4	284
2	Control of skin cancer by the circadian rhythm. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18790-18795.	3.3	191
3	CCAAT/enhancer binding protein-Â is a mediator of keratinocyte survival and skin tumorigenesis involving oncogenic Ras signaling. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 207-212.	3.3	179
4	An estrogen receptor pathway regulates the telogen-anagen hair follicle transition and influences epidermal cell proliferation.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 12525-12530.	3.3	155
5	sn-l, 2-Diacylglycerols mimic the effects of 12-0-tetradecanoylphorbol-13-acetate in vivo by inducing biochemical changes associated with tumor promotion in mouse epidermis. Carcinogenesis, 1986, 7, 1865-1870.	1.3	138
6	C/EBPÎ² Modulates the Early Events of Keratinocyte Differentiation Involving Growth Arrest and Keratin 1 and Keratin 10 Expression. Molecular and Cellular Biology, 1999, 19, 7181-7190.	1.1	138
7	TAK1 Is a Master Regulator of Epidermal Homeostasis Involving Skin Inflammation and Apoptosis. Journal of Biological Chemistry, 2006, 281, 19610-19617.	1.6	136
8	Measurement of Novel, Drinking Water-Associated PFAS in Blood from Adults and Children in Wilmington, North Carolina. Environmental Health Perspectives, 2020, 128, 77005.	2.8	118
9	Long noncoding RNA lincRNA-p21 is the major mediator of UVB-induced and p53-dependent apoptosis in keratinocytes. Cell Death and Disease, 2015, 6, e1700-e1700.	2.7	100
10	Disposition of the naturally occurring antimutagenic plant phenol, ellagic acid, and its synthetic derivatives, 3-O-decylellagic acid and 3, 3'-di-O-methylellagic acid in mice. Carcinogenesis, 1986, 7, 1663-1667.	1.3	88
11	Correlation between expression of peroxisome proliferator-activated receptor Î² and squamous differentiation in epidermal and tracheobronchial epithelial cells. Molecular and Cellular Endocrinology, 1999, 147, 85-92.	1.6	84
12	Expression of CCAAT/Enhancer Binding Proteins (C/EBP) is Associated with Squamous Differentiation in Epidermis and Isolated Primary Keratinocytes and is Altered in Skin Neoplasms. Journal of Investigative Dermatology, 1998, 110, 939-945.	0.3	82
13	PTEN Positively Regulates UVB-Induced DNA Damage Repair. Cancer Research, 2011, 71, 5287-5295.	0.4	81
14	Cell Cycle-Dependent Phosphorylation of C/EBPÎ² Mediates Oncogenic Cooperativity between C/EBPÎ² and H-Ras V12. Molecular and Cellular Biology, 2004, 24, 7380-7391.	1.1	72
15	17Î²-Estradiol and ICI-182780 regulate the hair follicle cycle in mice through an estrogen receptor-Î± pathway. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E202-E210.	1.8	71
16	Conditional ablation of C/EBPÎ² demonstrates its keratinocyte-specific requirement for cell survival and mouse skin tumorigenesis. Oncogene, 2006, 25, 1272-1276.	2.6	68
17	RSK-Mediated Phosphorylation in the C/EBPÎ² Leucine Zipper Regulates DNA Binding, Dimerization, and Growth Arrest Activity. Molecular and Cellular Biology, 2010, 30, 2621-2635.	1.1	63
18	Protein Kinase C-Î± Coordinately Regulates Cytosolic Phospholipase A₂Activity and the Expression of Cyclooxygenase-2 through Different Mechanisms in Mouse Keratinocytes. Molecular Pharmacology, 2001, 59, 860-866.	1.0	62

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19	C/EBPÎ± Is a DNA Damage-Inducible p53-Regulated Mediator of the G 1 Checkpoint in Keratinocytes. Molecular and Cellular Biology, 2004, 24, 10650-10660.	1.1	60
20	Characterization of benzo[a]pyrene-initiated mouse skin papillomas for Ha-ras mutations and protein kinase C levels. Carcinogenesis, 1993, 14, 2289-2295.	1.3	55
21	A multihit, multistage model of chemical carcinogenesis. Carcinogenesis, 1999, 20, 1837-1844.	1.3	49
22	Hepatic tumor-promoting chlorinated hydrocarbons stimulate protein kinase C activity. Carcinogenesis, 1989, 10, 851-856.	1.3	47
23	Lithium Stabilizes the CCAAT/Enhancer-binding Protein Î± (C/EBPÎ±) through a Glycogen Synthase Kinase 3 (GSK3)-independent Pathway Involving Direct Inhibition of Proteasomal Activity. Journal of Biological Chemistry, 2003, 278, 19674-19681.	1.6	45
24	Diminished expression of C/EBPalpha in skin carcinomas is linked to oncogenic Ras and reexpression of C/EBPalpha in carcinoma cells inhibits proliferation. Cancer Research, 2005, 65, 861-7.	0.4	45
25	C/EBPÎ± and C/EBPÎ²2 Are Required for Sebocyte Differentiation and Stratified Squamous Differentiation in Adult Mouse Skin. PLoS ONE, 2010, 5, e9837.	1.1	38
26	Ablation of TAK1 Upregulates Reactive Oxygen Species and Selectively Kills Tumor Cells. Cancer Research, 2010, 70, 8417-8425.	0.4	37
27	Genetic Ablation of CCAAT/Enhancer Binding Protein Î± in Epidermis Reveals Its Role in Suppression of Epithelial Tumorigenesis. Cancer Research, 2007, 67, 6768-6776.	0.4	35
28	Alterations in protein kinase C isozymes Î± and Î²2 in activated Ha-ras containing papillomas in the absence of an increase in diacyiglycerol. Carcinogenesis, 1992, 13, 1113-1120.	1.3	32
29	Effects of 17-Î²-Estradiol and ICI 182 780 on Hair Growth in Various Strains of Mice. Journal of Investigative Dermatology Symposium Proceedings, 1999, 4, 285-289.	0.8	30
30	C/EBPÎ²2 represses p53 to promote cell survival downstream of DNA damage independent of oncogenic Ras and p19Arf. Cell Death and Differentiation, 2008, 15, 1734-1744.	5.0	30
31	Effect of ellagic acid and 3-O-decylellagic acid on the formation of benzo[a]pyrene-derived DNA adducts in vivo and on the tumorigenicity of 3-methylcholanthrene in mice. Carcinogenesis, 1986, 7, 1669-1675.	1.3	28
32	Effect of ascorbic acid and its synthetic lipophilic derivative ascorbyl palmitate on phorbol ester-induced skin-tumor promotion in mice. American Journal of Clinical Nutrition, 1991, 54, 1266S-1273S.	2.2	25
33	Comparison of the effect of sn-1,2-didecanoylglycerol and 12-O-tetradecanoylphorbol-13-acetate on cutaneous morphology, inflammation and tumor promotion in CD-1 mice. Carcinogenesis, 1988, 9, 2221-2226.	1.3	23
34	Comparison of epidermal protein kinase C activity, ornithine decarboxylase induction and DNA synthesis stimulated by TPA or dioctanoylglycerol in mouse strains with differing susceptibility to TPA-induced tumor promotion. Carcinogenesis, 1989, 10, 833-838.	1.3	23
35	Localization and Expression of Cornifin-Î±/SPRR1 in Mouse Epidermis, Anagen Follicles, and Skin Neoplasms. Journal of Investigative Dermatology, 1996, 106, 647-654.	0.3	23
36	Decreased survival of C/EBPÎ²2-deficient keratinocytes is due to aberrant regulation of p53 levels and function. Oncogene, 2007, 26, 360-367.	2.6	22

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37	C/EBPÎ± Expression Is Downregulated in Human Nonmelanoma Skin Cancers and Inactivation of C/EBPÎ± Confers Susceptibility to UVB-Induced Skin Squamous Cell Carcinomas. Journal of Investigative Dermatology, 2011, 131, 1339-1346.	0.3	19
38	C/EBPÎ± regulates CRL4^{Cdt2}-mediated degradation of p21 in response to UVB-induced DNA damage to control the G₁/S checkpoint. Cell Cycle, 2014, 13, 3602-3610.	1.3	19
39	Characterization of skin tumor promotion by mirex: structure-activity relationships, sexual dimorphism and presence of Ha-ras mutation. Carcinogenesis, 1993, 14, 1155-1160.	1.3	18
40	Epidermal Protein Kinase C-Î²2 Is Highly Sensitive to Downregulation and Is Exclusively Expressed in Langerhans Cells: Downregulation Is Associated with Attenuated Contact Hypersensitivity. Journal of Investigative Dermatology, 1996, 107, 354-359.	0.3	18
41	Overexpression of Transcription Factor Sp2 Inhibits Epidermal Differentiation and Increases Susceptibility to Wound- and Carcinogen-Induced Tumorigenesis. Cancer Research, 2010, 70, 8507-8516.	0.4	17
42	C/EBPÎ² deletion in oncogenic Ras skin tumors is a synthetic lethal event. Cell Death and Disease, 2018, 9, 1054.	2.7	17
43	Diacylglycerol is an effector of the clonal expansion of cells containing activated Ha-ras genes. Carcinogenesis, 1993, 14, 2645-2648.	1.3	15
44	Effect of ascorbate on covalent binding of benzene and phenol metabolites to isolated tissue preparations. Toxicology and Applied Pharmacology, 1985, 77, 334-343.	1.3	14
45	17beta-Estradiol Is a Hormonal Regulator of Mirex Tumor Promotion Sensitivity in Mice. Toxicological Sciences, 2002, 69, 42-48.	1.4	12
46	Synergistic interaction between the non-phorbol ester-type promoter mirex and 12-0-tetradecanoylphorbol-13-acetate in mouse skin tumor promotion. Carcinogenesis, 1994, 15, 47-52.	1.3	11
47	C/EBPÎ± expression is partially regulated by C/EBPÎ² in response to DNA damage and C/EBPÎ±-deficient fibroblasts display an impaired G1 checkpoint. Oncogene, 2009, 28, 3235-3245.	2.6	11
48	On the effect of estrogen receptor agonists and antagonists on the mouse hair follicle cycle. Journal of Investigative Dermatology, 1998, 111, 175.	0.3	10
49	Evidence that mirex promotes a unique population of epidermal cells that cannot be distinguished by their mutant Ha-ras genotype. Molecular Carcinogenesis, 1997, 20, 115-124.	1.3	9
50	CD34 antigen: Determination of specific sites of phosphorylation in vitro and in vivo. International Journal of Mass Spectrometry, 2011, 301, 12-21.	0.7	6
51	TIN2 is an architectural protein that facilitates TRF2-mediated trans- and cis-interactions on telomeric DNA. Nucleic Acids Research, 2021, 49, 13000-13018.	6.5	6
52	Effect of dietary ascorbate on covalent binding of benzene to bone marrow and hepatic tissue in vivo. Biochemical Pharmacology, 1986, 35, 3180-3182.	2.0	4
53	Lack of effect of retinoic acid and fluocinolone acetonide on mirex tumor promotion indicates a novel mirex mechanism. Carcinogenesis, 1995, 16, 2199-2204.	1.3	4
54	Chemical Carcinogenesis. , 0, , 225-250.		2

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55	C/EBPÎ² suppresses keratinocyte autonomous type 1 IFN response and p53 to increase cell survival and susceptibility to UVB-induced skin cancer. Carcinogenesis, 2019, 40, 1099-1109.	1.3	2
56	Minimal Role of Enhanced Cell Proliferation in Skin Tumor Promotion by Mirex: A Nonphorbol Ester-Type Promoter. Environmental Health Perspectives, 1993, 101, 265.	2.8	1
57	Introduction to Biochemical and Molecular Methods in Toxicology. , 0, , 13-22.		1
58	Carcinogenesis. , 0, , 537-586.		1
59	Molecular and Biochemical Toxicology: Definition and Scope. , 0, , 1-4.		1
60	Overview of Molecular Techniques in Toxicology: Genes and Transgenes. , 0, , 5-24.		0