Richard A Currie

List of Publications by Year
in descending order

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44 papers	3,874 citations	201674 27 h-index	243625 44 g-index
45 all docs	45 docs citations	45 times ranked	3816 citing authors

#	Article	IF	Citations
1	Identification of pleckstrin-homology-domain-containing proteins with novel phosphoinositide-binding specificities. Biochemical Journal, 2000, 351, 19-31.	3.7	515
2	Identification of pleckstrin-homology-domain-containing proteins with novel phosphoinositide-binding specificities. Biochemical Journal, 2000, 351, 19.	3.7	452
3	PDK1 acquires PDK2 activity in the presence of a synthetic peptide derived from the carboxyl terminus of PRK2. Current Biology, 1999, 9, 393-404.	3.9	434
4	Role of phosphatidylinositol 3,4,5-trisphosphate in regulating the activity and localization of 3-phosphoinositide-dependent protein kinase-1. Biochemical Journal, 1999, 337, 575-583.	3.7	352
5	The PIF-binding pocket in PDK1 is essential for activation of S6K and SGK, but not PKB. EMBO Journal, 2001, 20, 4380-4390.	7.8	322
6	Identification of a pocket in the PDK1 kinase domain that interacts with PIF and the C-terminal residues of PKA. EMBO Journal, 2000, 19, 979-988.	7.8	285
7	DAPP1: a dual adaptor for phosphotyrosine and 3-phosphoinositides. Biochemical Journal, 1999, 342, 7-12.	3.7	150
8	TAPAS-1, a Novel Microdomain within the Unique N-terminal Region of the PDE4A1 cAMP-specific Phosphodiesterase That Allows Rapid, Ca2+-triggered Membrane Association with Selectivity for Interaction with Phosphatidic Acid. Journal of Biological Chemistry, 2002, 277, 28298-28309.	3.4	145
9	Characterisation of a plant 3-phosphoinositide-dependent protein kinase-1 homologue which contains a pleckstrin homology domain. FEBS Letters, 1999, 451, 220-226.	2.8	123
10	Evidence That 3-Phosphoinositide-dependent Protein Kinase-1 Mediates Phosphorylation of p70 S6 Kinase in Vivoat Thr-412 as well as Thr-252. Journal of Biological Chemistry, 1999, 274, 37400-37406.	3.4	121
11	Mouse Liver Effects of Cyproconazole, a Triazole Fungicide: Role of the Constitutive Androstane Receptor. Toxicological Sciences, 2007, 99, 315-325.	3.1	83
12	DAPP1: a dual adaptor for phosphotyrosine and 3-phosphoinositides. Biochemical Journal, 1999, 342, 7.	3.7	70
13	E2A-PBX1 Interacts Directly with the KIX Domain of CBP/p300 in the Induction of Proliferation in Primary Hematopoietic Cells. Journal of Biological Chemistry, 2004, 279, 55362-55371.	3.4	63
14	Gene Ontology Mapping as an Unbiased Method for Identifying Molecular Pathways and Processes Affected by Toxicant Exposure: Application to Acute Effects Caused by the Rodent Non-Genotoxic Carcinogen Diethylhexylphthalate. Toxicological Sciences, 2005, 86, 453-469.	3.1	62
15	Phenotypic Anchoring of Gene Expression Changes during Estrogen-Induced Uterine Growth. Environmental Health Perspectives, 2004, 112, 1589-1606.	6.0	54
16	Hepatic MicroRNA Profiles Offer Predictive and Mechanistic Insights After Exposure to Genotoxic and Epigenetic Hepatocarcinogens. Toxicological Sciences, 2012, 128, 532-543.	3.1	53
17	The nematode Caenorhabditis elegans as a tool to predict chemical activity on mammalian development and identify mechanisms influencing toxicological outcome. Scientific Reports, 2016, 6, 22965.	3.3	53
18	Cardiovascular Effects and Molecular Mechanisms of Bisphenol A and Its Metabolite MBP in Zebrafish. Environmental Science & Technology, 2019, 53, 463-474.	10.0	49

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19	An integrated functional genomic study of acute phenobarbital exposure in the rat. BMC Genomics, 2010, 11, 9.	2.8	43
20	Spiroindolines Identify the Vesicular Acetylcholine Transporter as a Novel Target for Insecticide Action. PLoS ONE, 2012, 7, e34712.	2.5	36
21	The lipid transfer activity of phosphatidylinositol transfer protein is sufficient to account for enhanced phospholipase C activity in turkey erythrocyte ghosts. Current Biology, 1997, 7, 184-190.	3.9	33
22	Mapping molecular responses to xenoestrogens through Gene Ontology and pathway analysis of toxicogenomic data. Reproductive Toxicology, 2005, 20, 433-440.	2.9	31
23	Phenobarbital and propiconazole toxicogenomic profiles in mice show major similarities consistent with the key role that constitutive androstane receptor (CAR) activation plays in their mode of action. Toxicology, 2014, 321, 80-88.	4.2	31
24	Mdm2 binding to a conformationally sensitive domain on p53 can be modulated by RNA. FEBS Letters, 2000, 472, 93-98.	2.8	30
25	Emerging evidence for the interrelationship of xenobiotic exposure and circadian rhythms: a review. Xenobiotica, 2006, 36, 1140-1151.	1.1	30
26	Toxicogenomics: The challenges and opportunities to identify biomarkers, signatures and thresholds to support mode-of-action. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 746, 97-103.	1.7	27
27	Time and dose-dependent effects of phenobarbital on the rat liver miRNAome. Toxicology, 2013, 314, 247-253.	4.2	27
28	Application of a Bayesian Deconvolution Approach for High-Resolution ¹H NMR Spectra to Assessing the Metabolic Effects of Acute Phenobarbital Exposure in Liver Tissue. Analytical Chemistry, 2010, 82, 4479-4485.	6.5	26
29	Exocrine pancreas trans-differentiation to hepatocytesâ€"A physiological response to elevated glucocorticoid in vivo. Journal of Steroid Biochemistry and Molecular Biology, 2009, 116, 76-85.	2.5	20
30	The future trajectory of adverse outcome pathways: a commentary. Archives of Toxicology, 2018, 92, 1657-1661.	4.2	20
31	A mathematical model of the mevalonate cholesterol biosynthesis pathway. Journal of Theoretical Biology, 2018, 443, 157-176.	1.7	18
32	A Metabolomics Investigation of Non-genotoxic Carcinogenicity in the Rat. Journal of Proteome Research, 2013, 12, 5775-5790.	3.7	16
33	Lipid signalling. Current Biology, 1998, 8, R865-R867.	3.9	13
34	Sedaxaneâ€"Use of Nuclear Receptor Transactivation Assays, Toxicogenomics, and Toxicokinetics as Part of a Mode of Action Framework for Rodent Liver Tumors. Toxicological Sciences, 2018, 162, 582-598.	3.1	12
35	Species differences in phenobarbital-mediated UGT gene induction in rat and human liver microtissues. Toxicology Reports, 2021, 8, 155-161.	3.3	11
36	Highlight report: â€˜Big data in the 3Râ€™s: outlook and recommendationsâ€™, a roundtable summary. Archives of Toxicology, 2018, 92, 1015-1020.	4.2	10

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37	Cross-species comparison of CAR-mediated procarcinogenic key events in a 3D liver microtissue model. Toxicology Reports, 2019, 6, 998-1005.	3.3	8
38	Dose-dependent effects on rat liver miRNAs 200a/b and 429: potential early biomarkers of liver carcinogenesis. Toxicology Reports, 2018, 5, 309-313.	3.3	5
39	An assay for screening xenobiotics for inhibition of rat thyroid gland peroxidase activity. Xenobiotica, 2020, 50, 318-322.	1.1	5
40	Comparison of the predictive nature of the Genomic Allergen Rapid Detection (GARD) assay with mammalian assays in determining the skin sensitisation potential of agrochemical active ingredients. Toxicology in Vitro, 2021, 70, 105017.	2.4	4
41	An evaluation of carcinogenicity predictors from short-term and sub chronic repeat-dose studies of agrochemicals in rats: Opportunities to refine and reduce animal use. Toxicology Letters, 2021, 351, 18-27.	0.8	2
42	The benefits and challenges of opening toxicology control data. Toxicology Research, 2017, 6, 578-579.	2.1	1
43	Does Multi-Clause Learning Help in Real-World Applications?. Lecture Notes in Computer Science, 2012, , 221-237.	1.3	1
44	A mathematical model of the role of aggregation in sonic hedgehog signalling. PLoS Computational Biology, 2021, 17, e1008562.	3.2	0