

# Roque Bort

## List of Publications by Year in descending order

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35  
papers

3,238  
citations

361413

20  
h-index

395702

33  
g-index

37  
all docs

37  
docs citations

37  
times ranked

4565  
citing authors

#	ARTICLE	IF	CITATIONS
1	miR-122, a Mammalian Liver-Specific microRNA, is Processed from hcr mRNA and May Downregulate the High Affinity Cationic Amino Acid Transporter CAT-1. <i>RNA Biology</i> , 2004, 1, 106-113.	3.1	758
2	Hex homeobox gene controls the transition of the endoderm to a pseudostratified, cell emergent epithelium for liver bud development. <i>Developmental Biology</i> , 2006, 290, 44-56.	2.0	248
3	Hex homeobox gene-dependent tissue positioning is required for organogenesis of the ventral pancreas. <i>Development (Cambridge)</i> , 2004, 131, 797-806.	2.5	235
4	Early ERK1/2 activation promotes DRP1-dependent mitochondrial fission necessary for cell reprogramming. <i>Nature Communications</i> , 2016, 7, 11124.	12.8	223
5	Hepatic metabolism of diclofenac: role of human CYP in the minor oxidative pathways. <i>Biochemical Pharmacology</i> , 1999, 58, 787-796.	4.4	206
6	Down-regulation of human CYP3A4 by the inflammatory signal interleukin 6: molecular mechanism and transcription factors involved. <i>FASEB Journal</i> , 2002, 16, 1-29.	0.5	192
7	Cytochrome P450 regulation by hepatocyte nuclear factor 4 in human hepatocytes: A study using adenovirus-mediated antisense targeting. <i>Hepatology</i> , 2001, 33, 668-675.	7.3	184
8	Hepatic cytochrome P450 down-regulation during aseptic inflammation in the mouse is interleukin 6 dependent. <i>Hepatology</i> , 2000, 32, 49-55.	7.3	160
9	Maturation of Induced Pluripotent Stem Cell Derived Hepatocytes by 3D-Culture. <i>PLoS ONE</i> , 2014, 9, e86372.	2.5	156
10	Long-term expression of differentiated functions in hepatocytes cultured in three-dimensional collagen matrix. , 1998, 177, 553-562.		125
11	Re-expression of C/EBP $\beta$ induces CYP2B6, CYP2C9 and CYP2D6 genes in HepG2 cells. <i>FEBS Letters</i> , 1998, 431, 227-230.	2.8	119
12	Transcriptional Regulation of Human CYP3A4 Basal Expression by CCAAT Enhancer-Binding Protein $\beta$ and Hepatocyte Nuclear Factor-3 $\beta$ . <i>Molecular Pharmacology</i> , 2003, 63, 1180-1189.	2.3	97
13	The carcinoGENOMICS project: Critical selection of model compounds for the development of omics-based in vitro carcinogenicity screening assays. <i>Mutation Research - Reviews in Mutation Research</i> , 2008, 659, 202-210.	5.5	60
14	Transcriptomic responses generated by hepatocarcinogens in a battery of liver-based in vitro models. <i>Carcinogenesis</i> , 2013, 34, 1393-1402.	2.8	52
15	Role of hepatocyte nuclear factor 3 $\beta$ in the expression of human CYP2C genes. <i>Archives of Biochemistry and Biophysics</i> , 2004, 426, 63-72.	3.0	50
16	Purification and characterization of a new $\beta$ -amylase of intermediate thermal stability from the yeast <i>Lipomyces kononenkoae</i> . <i>Biochemistry and Cell Biology</i> , 1995, 73, 41-49.	2.0	46
17	Interaction between Hhex and SOX13 Modulates Wnt/TCF Activity. <i>Journal of Biological Chemistry</i> , 2010, 285, 5726-5737.	3.4	39
18	Increased toxicity of cocaine on human hepatocytes induced by ethanol: role of GSH. <i>Biochemical Pharmacology</i> , 1999, 58, 1579-1585.	4.4	38

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19	Dysfunctional mitochondrial fission impairs cell reprogramming. <i>Cell Cycle</i> , 2016, 15, 3240-3250.	2.6	36
20	Molecular mechanism of diclofenac hepatotoxicity: Association of cell injury with oxidative metabolism and decrease in ATP levels. <i>Toxicology in Vitro</i> , 1995, 9, 439-444.	2.4	35
21	Growth-promoting and tumourigenic activity of c-Myc is suppressed by Hhex. <i>Oncogene</i> , 2015, 34, 3011-3022.	5.9	32
22	The Use of Cultured Hepatocytes to Investigate the Metabolism of Drugs and Mechanisms of Drug Hepatotoxicity. <i>ATLA Alternatives To Laboratory Animals</i> , 2001, 29, 225-231.	1.0	20
23	Gata4 Blocks Somatic Cell Reprogramming By Directly Repressing Nanog. <i>Stem Cells</i> , 2013, 31, 71-82.	3.2	18
24	Testing chemical carcinogenicity by using a transcriptomics HepaRG-based model?. <i>EXCLI Journal</i> , 2014, 13, 623-37.	0.7	18
25	Direct conversion of human fibroblast to hepatocytes using a single inducible polycistronic vector. <i>Stem Cell Research and Therapy</i> , 2019, 10, 317.	5.5	17
26	Paths to the pancreas. <i>Nature Genetics</i> , 2002, 32, 85-86.	21.4	12
27	In vitro Investigation of the Molecular Mechanisms of Hepatotoxicity. <i>Archives of Toxicology Supplement</i> , 1997, 19, 313-321.	0.7	12
28	In Vitro Investigation of the Molecular Mechanisms of Hepatotoxicity. , 1997, , 375-410.		11
29	Silencing of hepatic fate-conversion factors induce tumorigenesis in reprogrammed hepatic progenitor-like cells. <i>Stem Cell Research and Therapy</i> , 2016, 7, 96.	5.5	9
30	Glutamine/glutamate metabolism rewiring in reprogrammed human hepatocyte-like cells. <i>Scientific Reports</i> , 2019, 9, 17978.	3.3	8
31	Biotransformation in vitro of the 22R and 22S epimers of budesonide by human liver, bronchus, colonic mucosa and skin. <i>Fundamental and Clinical Pharmacology</i> , 2001, 15, 47-54.	1.9	7
32	A Combination of Transcriptomics and Metabolomics Uncovers Enhanced Bile Acid Biosynthesis in HepG2 Cells Expressing CCAAT/Enhancer-Binding Protein 1 $\beta$ (C/EBP1 $\beta$ ), Hepatocyte Nuclear Factor 4 $\beta$ (HNF4 $\beta$ ), and Constitutive Androstane Receptor (CAR). <i>Journal of Proteome Research</i> , 2013, 12, 2732-2741.	3.7	5
33	Modeling a Novel Variant of Glycogenesis IXa Using a Clonal Inducible Reprogramming System to Generate "Diseased" Hepatocytes for Accurate Diagnosis. <i>Journal of Personalized Medicine</i> , 2022, 12, 1111.	2.5	2
34	Transfection of Primary Hepatocytes with Liver-Enriched Transcription Factors Using Adenoviral Vectors. <i>Methods in Molecular Biology</i> , 2015, 1250, 213-221.	0.9	1
35	Derivation of healthy hepatocyte-like cells from a female patient with ornithine transcarbamylase deficiency through X-inactivation selection. <i>Scientific Reports</i> , 2022, 12, 2308.	3.3	1