Twan van den Beucken

List of Publications by Year
in descending order

42 papers	3,152 citations	257450 24 h-index	254184 43 g-index
43 all docs	43 docs citations	43 times ranked	7110 citing authors

#	Article	IF	Citations
1	Human-induced pluripotent stem cells as a model for studying sporadic Alzheimerâ€™s disease. Neurobiology of Learning and Memory, 2020, 175, 107318.	1.9	8
2	Valproic acid promotes mitochondrial dysfunction in primary human hepatocytes in vitro; impact of C/EBPÎ±-controlled gene expression. Archives of Toxicology, 2020, 94, 3463-3473.	4.2	11
3	Systems biology approaches to interpreting genomic data. Current Opinion in Toxicology, 2019, 18, 1-7.	5.0	3
4	Phosphorylation of eIF2Î± promotes cell survival in response to benzo[a]pyrene exposure. Toxicology in Vitro, 2019, 54, 330-337.	2.4	2
5	A cross-omics approach to investigate temporal gene expression regulation by 5-hydroxymethylcytosine via TBH-derived oxidative stress showed involvement of different regulatory kinases. Toxicology in Vitro, 2018, 48, 318-328.	2.4	4
6	Translational regulation is a key determinant of the cellular response to benzo[a]pyrene. Toxicology Letters, 2018, 295, 144-152.	0.8	6
7	Identification of essential transcription factors for adequate DNA damage response after benzo(a)pyrene and aflatoxin B1 exposure by combining transcriptomics with functional genomics. Toxicology, 2017, 390, 74-82.	4.2	31
8	Inferring transcription factor activity from microarray data reveals novel targets for toxicological investigations. Toxicology, 2017, 389, 101-107.	4.2	7
9	Persistent transcriptional responses show the involvement of feed-forward control in a repeated dose toxicity study. Toxicology, 2017, 375, 58-63.	4.2	1
10	Hypoxia increases genome-wide bivalent epigenetic marking by specific gain of H3K27me3. Epigenetics and Chromatin, 2016, 9, 46.	3.9	63
11	Dynamic Interplay between the Transcriptome and Methylome in Response to Oxidative and Alkylating Stress. Chemical Research in Toxicology, 2016, 29, 1428-1438.	3.3	8
12	Quantitative analysis of ChIP-seq data uncovers dynamic and sustained H3K4me3 and H3K27me3 modulation in cancer cells under hypoxia. Epigenetics and Chromatin, 2016, 9, 48.	3.9	23
13	In vivo optical imaging of MMP2 immuno protein antibody: tumor uptake is associated with MMP2 activity. Scientific Reports, 2016, 6, 22198.	3.3	8
14	Canonical autophagy does not contribute to cellular radioresistance. Radiotherapy and Oncology, 2015, 114, 406-412.	0.6	21
15	Cell Surface Profiling Using High-Throughput Flow Cytometry: A Platform for Biomarker Discovery and Analysis of Cellular Heterogeneity. PLoS ONE, 2014, 9, e105602.	2.5	65
16	Cigarette Smoke Extract Induces a Phenotypic Shift in Epithelial Cells; Involvement of HIF1Î± in Mesenchymal Transition. PLoS ONE, 2014, 9, e107757.	2.5	34
17	Hypoxia-mediated downregulation of miRNA biogenesis promotes tumour progression. Nature Communications, 2014, 5, 5202.	12.8	151
18	Hypoxia promotes stem cell phenotypes and poor prognosis through epigenetic regulation of DICER. Nature Communications, 2014, 5, 5203.	12.8	195

#	Article	IF	Citations
19	RNF8-Independent Lys63 Poly-Ubiquitylation Prevents Genomic Instability in Response to Replication-Associated DNA Damage. PLoS ONE, 2014, 9, e89997.	2.5	1
20	PERK/eIF2Î± signaling protects therapy resistant hypoxic cells through induction of glutathione synthesis and protection against ROS. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4622-4627.	7.1	193
21	Two phases of disulfide bond formation have differing requirements for oxygen. Journal of Cell Biology, 2013, 203, 615-627.	5.2	113
22	Regulation of TRIB3 mRNA and Protein in Breast Cancer. PLoS ONE, 2012, 7, e49439.	2.5	28
23	Deregulation of cap-dependent mRNA translation increases tumour radiosensitivity through reduction of the hypoxic fraction. Radiotherapy and Oncology, 2011, 99, 385-391.	0.6	21
24	Translational control is a major contributor to hypoxia induced gene expression. Radiotherapy and Oncology, 2011, 99, 379-384.	0.6	37
25	Hypoxia disrupts the Fanconi anemia pathway and sensitizes cells to chemotherapy through regulation of UBE2T. Radiotherapy and Oncology, 2011, 101, 190-197.	0.6	36
26	The unfolded protein response protects human tumor cells during hypoxia through regulation of the autophagy genes MAP1LC3B and ATG5. Journal of Clinical Investigation, 2010, 120, 127-141.	8.2	675
27	Hypoxia-induced Expression of Carbonic Anhydrase 9 Is Dependent on the Unfolded Protein Response. Journal of Biological Chemistry, 2009, 284, 24204-24212.	3.4	57
28	Taking advantage of tumor cell adaptations to hypoxia for developing new tumor markers and treatment strategies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 1-39.	5.2	167
29	Deficient carbonic anhydrase 9 expression in UPR-impaired cells is associated with reduced survival in an acidic microenvironment. Radiotherapy and Oncology, 2009, 92, 437-442.	0.6	23
30	The mTOR target 4Eâ€BP1 contributes to differential protein expression during normoxia and hypoxia through changes in mRNA translation efficiency. Proteomics, 2008, 8, 1019-1028.	2.2	45
31	Radioprotective effects of ATP in human blood ex vivo. Biochemical and Biophysical Research Communications, 2008, 367, 383-387.	2.1	19
32	Regulation of Cited2 expression provides a functional link between translational and transcriptional responses during hypoxia. Radiotherapy and Oncology, 2007, 83, 346-352.	0.6	24
33	Proteomic analysis of gene expression following hypoxia and reoxygenation reveals proteins involved in the recovery from endoplasmic reticulum and oxidative stress. Radiotherapy and Oncology, 2007, 83, 340-345.	0.6	21
34	Phosphorylation of eIF2Î± is required for mRNA translation inhibition and survival during moderate hypoxia. Radiotherapy and Oncology, 2007, 83, 353-361.	0.6	54
35	Gene expression during acute and prolonged hypoxia is regulated by distinct mechanisms of translational control. EMBO Journal, 2006, 25, 1114-1125.	7.8	328
36	Translational control of gene expression during hypoxia. Cancer Biology and Therapy, 2006, 5, 749-755.	3.4	126

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37	The hypoxic proteome is influenced by gene-specific changes in mRNA translation. Radiotherapy and Oncology, 2005, 76, 177-186.	0.6	105
38	Control of the hypoxic response through regulation of mRNA translation. Seminars in Cell and Developmental Biology, 2005, 16, 487-501.	5.0	141
39	Construction and diversification of yeast cell surface displayed libraries by yeast mating: application to the affinity maturation of Fab antibody fragments. Gene, 2004, 342, 211-218.	2.2	75
40	Targeting hypoxia tolerance in cancer. Drug Resistance Updates, 2004, 7, 25-40.	14.4	81
41	Affinity maturation of Fab antibody fragments by fluorescent-activated cell sorting of yeast-displayed libraries. FEBS Letters, 2003, 546, 288-294.	2.8	92
42	Building novel binding ligands to B7.1 and B7.2 based on human antibody single variable light chain domains 1 1Edited by I. A. Wilson. Journal of Molecular Biology, 2001, 310, 591-601.	4.2	47