

# Fernando Lopitz-Otsoa

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

2,227  
citations

218677

26  
h-index

233421

45  
g-index

58  
all docs

58  
docs citations

58  
times ranked

4234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient protection and isolation of ubiquitylated proteins using tandem ubiquitin-binding entities. <i>EMBO Reports</i> , 2009, 10, 1250-1258.	4.5	407
2	SARS-CoV-2 Infection Dysregulates the Metabolomic and Lipidomic Profiles of Serum. <i>IScience</i> , 2020, 23, 101645.	4.1	157
3	Integrative analysis of the ubiquitin proteome isolated using Tandem Ubiquitin Binding Entities (TUBEs). <i>Journal of Proteomics</i> , 2012, 75, 2998-3014.	2.4	90
4	The mitochondrial negative regulator MCJ is a therapeutic target for acetaminophen-induced liver injury. <i>Nature Communications</i> , 2017, 8, 2068.	12.8	77
5	Kaposi's Sarcoma-Associated Herpesvirus Protein LANA2 Disrupts PML Oncogenic Domains and Inhibits PML-Mediated Transcriptional Repression of the Survivin Gene. <i>Journal of Virology</i> , 2009, 83, 8849-8858.	3.4	75
6	Endemic Carbapenem Resistance Associated with OXA-40 Carbapenemase among <i>Acinetobacter baumannii</i> Isolates from a Hospital in Northern Spain. <i>Journal of Clinical Microbiology</i> , 2002, 40, 4741-4743.	3.9	70
7	Stabilization of LKB1 and Akt by neddylation regulates energy metabolism in liver cancer. <i>Oncotarget</i> , 2015, 6, 2509-2523.	1.8	69
8	Regulation of the tumor suppressor PTEN by SUMO. <i>Cell Death and Disease</i> , 2012, 3, e393-e393.	6.3	68
9	Targeting Hepatic Glutaminase 1 Ameliorates Non-alcoholic Steatohepatitis by Restoring Very-Low-Density Lipoprotein Triglyceride Assembly. <i>Cell Metabolism</i> , 2020, 31, 605-622.e10.	16.2	68
10	Methionine and S-adenosylmethionine levels are critical regulators of PP2A activity modulating lipophagy during steatosis. <i>Journal of Hepatology</i> , 2016, 64, 409-418.	3.7	59
11	Scavenger Receptors Mediate the Role of SUMO and Ftz-f1 in <i>Drosophila</i> Steroidogenesis. <i>PLoS Genetics</i> , 2013, 9, e1003473.	3.5	58
12	SUMOylation regulates LKB1 localization and its oncogenic activity in liver cancer. <i>EBioMedicine</i> , 2019, 40, 406-421.	6.1	56
13	The RING ubiquitin E3 RNF114 interacts with A20 and modulates NF- $\kappa$ B activity and T-cell activation. <i>Cell Death and Disease</i> , 2014, 5, e1399-e1399.	6.3	55
14	Heterologous SUMO-2/3-Ubiquitin Chains Optimize $\kappa$ B Degradation and NF- $\kappa$ B Activity. <i>PLoS ONE</i> , 2012, 7, e51672.	2.5	51
15	Deregulated neddylation in liver fibrosis. <i>Hepatology</i> , 2017, 65, 694-709.	7.3	50
16	MiR-873-5p acts as an epigenetic regulator in early stages of liver fibrosis and cirrhosis. <i>Cell Death and Disease</i> , 2018, 9, 958.	6.3	38
17	O-GlcNAcylated p53 in the liver modulates hepatic glucose production. <i>Nature Communications</i> , 2021, 12, 5068.	12.8	36
18	S-adenosylmethionine regulates dual-specificity mitogen-activated protein kinase phosphatase expression in mouse and human hepatocytes. <i>Hepatology</i> , 2010, 51, 2152-2161.	7.3	35

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19	miR-873-5p targets mitochondrial GNMT-Complex II interface contributing to non-alcoholic fatty liver disease. <i>Molecular Metabolism</i> , 2019, 29, 40-54.	6.5	35
20	Strategies to Identify Recognition Signals and Targets of SUMOylation. <i>Biochemistry Research International</i> , 2012, 2012, 1-16.	3.3	34
21	Histone deacetylase 4 promotes cholestatic liver injury in the absence of prohibitin-1. <i>Hepatology</i> , 2015, 62, 1237-1248.	7.3	34
22	Isolation of Ubiquitylated Proteins Using Tandem Ubiquitin-Binding Entities. <i>Methods in Molecular Biology</i> , 2012, 832, 173-183.	0.9	34
23	Covalent modification by SUMO is required for efficient disruption of PML oncogenic domains by Kaposi's sarcoma-associated herpesvirus latent protein LANA2. <i>Journal of General Virology</i> , 2011, 92, 188-194.	2.9	32
24	Analysis of SUMOylated proteins using SUMO-traps. <i>Scientific Reports</i> , 2013, 3, 1690.	3.3	32
25	Aramchol downregulates stearyl CoA-desaturase 1 in hepatic stellate cells to attenuate cellular fibrogenesis. <i>JHEP Reports</i> , 2021, 3, 100237.	4.9	32
26	Neddylation, a novel paradigm in liver cancer. <i>Translational Gastroenterology and Hepatology</i> , 2018, 3, 37-37.	3.0	31
27	Metabolic subtypes of patients with NAFLD exhibit distinctive cardiovascular risk profiles. <i>Hepatology</i> , 2022, 76, 1121-1134.	7.3	31
28	A morphological method for ammonia detection in liver. <i>PLoS ONE</i> , 2017, 12, e0173914.	2.5	28
29	Regulation of Vaccinia Virus E3 Protein by Small Ubiquitin-Like Modifier Proteins. <i>Journal of Virology</i> , 2011, 85, 12890-12900.	3.4	27
30	Evolution of SUMO Function and Chain Formation in Insects. <i>Molecular Biology and Evolution</i> , 2016, 33, 568-584.	8.9	26
31	Rotavirus Viroplasm Proteins Interact with the Cellular SUMOylation System: Implications for Viroplasm-Like Structure Formation. <i>Journal of Virology</i> , 2013, 87, 807-817.	3.4	24
32	Nucleolar exit of RNF8 and BRCA1 in response to DNA damage. <i>Experimental Cell Research</i> , 2012, 318, 2365-2376.	2.6	23
33	SerpinB3 Differently Up-Regulates Hypoxia Inducible Factors -1 $\alpha$ and -2 $\alpha$ in Hepatocellular Carcinoma: Mechanisms Revealing Novel Potential Therapeutic Targets. <i>Cancers</i> , 2019, 11, 1933.	3.7	22
34	Neddylation inhibition ameliorates steatosis in NAFLD by boosting hepatic fatty acid oxidation via the DEPTOR-mTOR axis. <i>Molecular Metabolism</i> , 2021, 53, 101275.	6.5	22
35	Magnesium accumulation upon cyclin M4 silencing activates microsomal triglyceride transfer protein improving NASH. <i>Journal of Hepatology</i> , 2021, 75, 34-45.	3.7	21
36	Sumoylation Modulates the Activity of Spalt-like Proteins during Wing Development in <i>Drosophila</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 25841-25849.	3.4	20

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37	Tetramerization defects of p53 result in aberrant ubiquitylation and transcriptional activity. <i>Molecular Oncology</i> , 2014, 8, 1026-1042.	4.6	20
38	Arachidyl amido cholanoic acid improves liver glucose and lipid homeostasis in nonalcoholic steatohepatitis via AMPK and mTOR regulation. <i>World Journal of Gastroenterology</i> , 2020, 26, 5101-5117.	3.3	19
39	PHD3-SUMO conjugation optimizes HIF1 repression independently of PHD3 catalytic activity. <i>Journal of Cell Science</i> , 2015, 128, 40-9.	2.0	18
40	Depletion of mitochondrial methionine adenosyltransferase 1 triggers mitochondrial dysfunction in alcohol-associated liver disease. <i>Nature Communications</i> , 2022, 13, 557.	12.8	18
41	Kaposi's sarcoma-associated herpesvirus lambda2 protein interacts with the pocket proteins and inhibits their sumoylation. <i>Oncogene</i> , 2014, 33, 495-503.	5.9	17
42	Properties of natural and artificial proteins displaying multiple ubiquitin-binding domains. <i>Biochemical Society Transactions</i> , 2010, 38, 40-45.	3.4	16
43	Metabolic Landscape of the Mouse Liver by Quantitative 31P Nuclear Magnetic Resonance Analysis of the Phosphorome. <i>Hepatology</i> , 2021, 74, 148-163.	7.3	13
44	Oligomerization conditions Mdm2-mediated efficient p53 polyubiquitylation but not its proteasomal degradation. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 725-735.	2.8	12
45	Multi-Omics Integration Highlights the Role of Ubiquitination in CCl4-Induced Liver Fibrosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9043.	4.1	12
46	Post-translational modifiers of liver kinase B1/serine/threonine kinase 11 in hepatocellular carcinoma. <i>Journal of Hepatocellular Carcinoma</i> , 2019, Volume 6, 85-91.	3.7	11
47	Ubiquitin-Like Post-Translational Modifications (Ubl-PTMs): Small Peptides with Huge Impact in Liver Fibrosis. <i>Cells</i> , 2019, 8, 1575.	4.1	11
48	Anti-miR-518d-5p overcomes liver tumor cell death resistance through mitochondrial activity. <i>Cell Death and Disease</i> , 2021, 12, 555.	6.3	10
49	Serodiagnosis of Mycoses Using Recombinant Antigens. <i>Mycopathologia</i> , 2005, 160, 97-109.	3.1	7
50	Boosting mitochondria activity by silencing MCJ overcomes cholestasis-induced liver injury. <i>JHEP Reports</i> , 2021, 3, 100276.	4.9	5
51	SUMO-Binding Entities (SUBEs) as Tools for the Enrichment, Isolation, Identification, and Characterization of the SUMO Proteome in Liver Cancer. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	4
52	Therapeutic Targeting of Fumaryl Acetoacetate Hydrolase in Hereditary Tyrosinemia Type I. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1789.	4.1	3
53	Methionine Cycle Rewiring by Targeting miR-873-5p Modulates Ammonia Metabolism to Protect the Liver from Acetaminophen. <i>Antioxidants</i> , 2022, 11, 897.	5.1	3
54	Serp1B3 up-regulates hypoxia inducible factors-1 and -2 in liver cancer cells through different mechanisms. <i>Digestive and Liver Disease</i> , 2016, 48, e19.	0.9	1

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55	Production and evaluation of alloantibodies against sheep MHC Class I antigens. Comparative Immunology, Microbiology and Infectious Diseases, 2004, 27, 105-115.	1.6	0
56	O94 NEDDYLATION CONTROLS LIVER TUMOURS SURVIVAL STABILIZING Akt AND LKB1 AND REPROGRAMMING CANCER METABOLISM. Journal of Hepatology, 2014, 60, S39.	3.7	0
57	P0260 : Liver kinase B1 as an oncogenic driver in liver cancer. Journal of Hepatology, 2015, 62, S403.	3.7	0