

# Gloria Lopez-Castejon

## List of Publications by Citations

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55  
papers

3,588  
citations

32  
h-index

59  
g-index

59  
ext. papers

4,350  
ext. citations

8.6  
avg, IF

5.64  
L-index

#	Paper	IF	Citations
55	Understanding the mechanism of IL-1 $\beta$ secretion. <i>Cytokine and Growth Factor Reviews</i> , <b>2011</b> , 22, 189-95	17.9	571
54	Nanoparticles can cause DNA damage across a cellular barrier. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 876-83	28.7	303
53	Cell volume regulation modulates NLRP3 inflammasome activation. <i>Immunity</i> , <b>2012</b> , 37, 487-500	32.3	261
52	Caspase-1: is IL-1 just the tip of the ICEberg?. <i>Cell Death and Disease</i> , <b>2012</b> , 3, e338	9.8	182
51	Deubiquitinases regulate the activity of caspase-1 and interleukin-1 $\beta$ secretion via assembly of the inflammasome. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 2721-33	5.4	134
50	NLRP3-Inflammasome Activating DAMPs Stimulate an Inflammatory Response in Glia in the Absence of Priming Which Contributes to Brain Inflammation after Injury. <i>Frontiers in Immunology</i> , <b>2012</b> , 3, 288	8.4	134
49	Microglia and macrophages differentially modulate cell death after brain injury caused by oxygen-glucose deprivation in organotypic brain slices. <i>Glia</i> , <b>2013</b> , 61, 813-24	9	116
48	The activation of gilthead seabream professional phagocytes by different PAMPs underlines the behavioural diversity of the main innate immune cells of bony fish. <i>Molecular Immunology</i> , <b>2007</b> , 44, 2009-16	4.16	105
47	Signalling of DNA damage and cytokines across cell barriers exposed to nanoparticles depends on barrier thickness. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 824-33	28.7	101
46	Interleukin-1 $\beta$ expression precedes IL-1 $\beta$ after ischemic brain injury and is localised to areas of focal neuronal loss and penumbral tissues. <i>Journal of Neuroinflammation</i> , <b>2011</b> , 8, 186	10.1	98
45	Development of an Acrylate Derivative Targeting the NLRP3 Inflammasome for the Treatment of Inflammatory Bowel Disease. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 3656-3671	8.3	95
44	Canonical and Non-Canonical Activation of NLRP3 Inflammasome at the Crossroad between Immune Tolerance and Intestinal Inflammation. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 36	8.4	93
43	P2X(7) receptor-mediated release of cathepsins from macrophages is a cytokine-independent mechanism potentially involved in joint diseases. <i>Journal of Immunology</i> , <b>2010</b> , 185, 2611-9	5.3	83
42	Turbot TNF $\alpha$ gene: molecular characterization and biological activity of the recombinant protein. <i>Molecular Immunology</i> , <b>2007</b> , 44, 389-400	4.3	78
41	Chloride regulates dynamic NLRP3-dependent ASC oligomerization and inflammasome priming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E9371-E9380	11.5	74
40	The colony-stimulating factor-1 receptor is a specific marker of macrophages from the bony fish gilthead seabream. <i>Molecular Immunology</i> , <b>2006</b> , 43, 1418-23	4.3	73
39	USP7 and USP47 deubiquitinases regulate NLRP3 inflammasome activation. <i>EMBO Reports</i> , <b>2018</b> , 19,	6.5	69

38	Novel macrophage polarization model: from gene expression to identification of new anti-inflammatory molecules. <i>Cellular and Molecular Life Sciences</i> , <b>2011</b> , 68, 3095-107	10.3	65
37	Evolution of inflammasome functions in vertebrates: Inflammasome and caspase-1 trigger fish macrophage cell death but are dispensable for the processing of IL-1 $\beta$ <i>Innate Immunity</i> , <b>2012</b> , 18, 815-24	2.7	64
36	Sphingosine regulates the NLRP3-inflammasome and IL-1 $\beta$ release from macrophages. <i>European Journal of Immunology</i> , <b>2012</b> , 42, 716-25	6.1	62
35	Zinc depletion regulates the processing and secretion of IL-1 $\beta$ <i>Cell Death and Disease</i> , <b>2014</b> , 5, e1040	9.8	61
34	Current status of inflammasome blockers as anti-inflammatory drugs. <i>Expert Opinion on Investigational Drugs</i> , <b>2012</b> , 21, 995-1007	5.9	60
33	Apoptosis-associated speck-like protein containing a CARD forms specks but does not activate caspase-1 in the absence of NLRP3 during macrophage swelling. <i>Journal of Immunology</i> , <b>2015</b> , 194, 1261-73	5.3	58
32	Efficient discovery of anti-inflammatory small-molecule combinations using evolutionary computing. <i>Nature Chemical Biology</i> , <b>2011</b> , 7, 902-8	11.7	52
31	Two zinc uptake systems contribute to the full virulence of <i>Listeria monocytogenes</i> during growth in vitro and in vivo. <i>Infection and Immunity</i> , <b>2012</b> , 80, 14-21	3.7	49
30	The type II interleukin-1 receptor (IL-1RII) of the bony fish gilthead seabream <i>Sparus aurata</i> is strongly induced after infection and tightly regulated at transcriptional and post-transcriptional levels. <i>Molecular Immunology</i> , <b>2007</b> , 44, 2772-80	4.3	47
29	Molecular and functional characterization of gilthead seabream <i>Sparus aurata</i> caspase-1: the first identification of an inflammatory caspase in fish. <i>Molecular Immunology</i> , <b>2008</b> , 45, 49-57	4.3	44
28	Acidosis drives damage-associated molecular pattern (DAMP)-induced interleukin-1 secretion via a caspase-1-independent pathway. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 30485-30494	5.4	43
27	Control of the inflammasome by the ubiquitin system. <i>FEBS Journal</i> , <b>2020</b> , 287, 11-26	5.7	41
26	Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. <i>Genome Biology</i> , <b>2019</b> , 20, 171	18.3	39
25	Dendritic cell IL-1 $\beta$ and IL-1 $\gamma$ are polyubiquitinated and degraded by the proteasome. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 35582-92	5.4	38
24	Characterization of ATP-gated P2X7 receptors in fish provides new insights into the mechanism of release of the leaderless cytokine interleukin-1 beta. <i>Molecular Immunology</i> , <b>2007</b> , 44, 1286-99	4.3	33
23	Priming Is Dispensable for NLRP3 Inflammasome Activation in Human Monocytes. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 565924	8.4	30
22	The three cytokines IL-1 $\beta$ , IL-18, and IL-1 $\gamma$ share related but distinct secretory routes. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 8325-8335	5.4	28
21	P2X7 receptor-dependent tuning of gut epithelial responses to infection. <i>Immunology and Cell Biology</i> , <b>2017</b> , 95, 178-188	5	28

20	The NLRP3-inflammasome as a sensor of organelle dysfunction. <i>Journal of Cell Biology</i> , <b>2020</b> , 219,	7.3	24
19	Pathophysiology of NSAID-Associated Intestinal Lesions in the Rat: Luminal Bacteria and Mucosal Inflammation as Targets for Prevention. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 1340	5.6	24
18	Deubiquitinases: Novel Therapeutic Targets in Immune Surveillance?. <i>Mediators of Inflammation</i> , <b>2016</b> , 2016, 3481371	4.3	22
17	The inflammasomes, immune guardians at defence barriers. <i>Immunology</i> , <b>2018</b> , 155, 320-330	7.8	21
16	Mechanisms of NLRP3 priming in inflammaging and age related diseases. <i>Cytokine and Growth Factor Reviews</i> , <b>2020</b> , 55, 15-25	17.9	18
15	Novel cell line selectively expressing neuropeptide Y-Y2 receptors. <i>Journal of Receptor and Signal Transduction Research</i> , <b>2003</b> , 23, 351-60	2.6	16
14	Inhibition of calpain blocks the phagosomal escape of <i>Listeria monocytogenes</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e35936	3.7	14
13	Prodromal Intestinal Events in Alzheimer's Disease (AD): Colonic Dysmotility and Inflammation Are Associated with Enteric AD-Related Protein Deposition. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	10
12	NLRP3 at the crossroads between immune/inflammatory responses and enteric neuroplastic remodelling in a mouse model of diet-induced obesity. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 3924-3942	8.6	5
11	Internalization of the Membrane Attack Complex Triggers NLRP3 Inflammasome Activation and IL-1 $\beta$ Secretion in Human Macrophages. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 720655	8.4	5
10	Tu1889 Targeting of NLRP3 Inflammasome With a Novel Selective Inhibitor as a Suitable Strategy for the Pharmacological Treatment of Bowel Inflammation. <i>Gastroenterology</i> , <b>2016</b> , 150, S968-S969	13.3	3
9	Functional Reconstruction of NLRs in HEK293 Cells. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1417, 217-21	1.4	3
8	Method to Measure Ubiquitination of NLRs. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1417, 223-9	1.4	3
7	Regulation of NLRP3 activation by the ubiquitin system. <i>Inflammasome</i> , <b>2014</b> , 1,		2
6	Response to correspondence on "Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation". <i>Genome Biology</i> , <b>2021</b> , 22, 99	18.3	2
5	Response to Boyle et al. <i>Immunity</i> , <b>2013</b> , 38, 400-1	32.3	1
4	Priming is dispensable for NLRP3 inflammasome activation in human monocytes		1
3	Bafilomycin A1 enhances NLRP3 inflammasome activation in human monocytes independent of lysosomal acidification. <i>FEBS Journal</i> , <b>2021</b> , 288, 3186-3196	5.7	1

2 NLRP3 activation in response to disrupted endocytic traffic 1

1 Pro-IL-1 $\beta$  is an Early Prognostic Indicator of Severe Donor Lung Injury During Ex Vivo Lung Perfusion. *Transplantation*, **2021**, 105, 768-774 1.8 0