

Claude Libert

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

7,842
citations

53794

45
h-index

54911

84
g-index

107
all docs

107
docs citations

107
times ranked

13247
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Is there new hope for therapeutic matrix metalloproteinase inhibition?. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 904-927. | 46.4 | 631 |
| 2 | Cecal ligation and puncture: the gold standard model for polymicrobial sepsis?. <i>Trends in Microbiology</i> , 2011, 19, 198-208. | 7.7 | 516 |
| 3 | How glucocorticoid receptors modulate the activity of other transcription factors: A scope beyond tethering. <i>Molecular and Cellular Endocrinology</i> , 2013, 380, 41-54. | 3.2 | 341 |
| 4 | Nanobodies as therapeutics: big opportunities for small antibodies. <i>Drug Discovery Today</i> , 2016, 21, 1076-1113. | 6.4 | 335 |
| 5 | Therapeutic Mechanisms of Glucocorticoids. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 42-54. | 7.1 | 334 |
| 6 | A General Introduction to Glucocorticoid Biology. <i>Frontiers in Immunology</i> , 2019, 10, 1545. | 4.8 | 323 |
| 7 | Identification of a novel mechanism of bloodâ€“brain communication during peripheral inflammation via choroid plexusâ€“derived extracellular vesicles. <i>EMBO Molecular Medicine</i> , 2016, 8, 1162-1183. | 6.9 | 259 |
| 8 | New Insights into the Anti-inflammatory Mechanisms of Glucocorticoids: An Emerging Role for Glucocorticoid-Receptor-Mediated Transactivation. <i>Endocrinology</i> , 2013, 154, 993-1007. | 2.8 | 246 |
| 9 | A fully dissociated compound of plant origin for inflammatory gene repression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15827-15832. | 7.1 | 245 |
| 10 | Comprehensive Overview of the Structure and Regulation of the Glucocorticoid Receptor. <i>Endocrine Reviews</i> , 2014, 35, 671-693. | 20.1 | 203 |
| 11 | On the Trail of the Glucocorticoid Receptor: Into the Nucleus and Back. <i>Traffic</i> , 2012, 13, 364-374. | 2.7 | 177 |
| 12 | Selective glucocorticoid receptor modulation: New directions with non-steroidal scaffolds. , 2015, 152, 28-41. | | 172 |
| 13 | Reprogramming of basic metabolic pathways in microbial sepsis: therapeutic targets at last?. <i>EMBO Molecular Medicine</i> , 2018, 10, . | 6.9 | 164 |
| 14 | Passenger Mutations Confound Interpretation of All Genetically Modified Congenic Mice. <i>Immunity</i> , 2015, 43, 200-209. | 14.3 | 156 |
| 15 | Friends or Foes: Matrix Metalloproteinases and Their Multifaceted Roles in Neurodegenerative Diseases. <i>Mediators of Inflammation</i> , 2015, 2015, 1-27. | 3.0 | 154 |
| 16 | An inflammatory triangle in psoriasis: TNF, type I IFNs and IL-17. <i>Cytokine and Growth Factor Reviews</i> , 2015, 26, 25-33. | 7.2 | 149 |
| 17 | The Interactome of the Glucocorticoid Receptor and Its Influence on the Actions of Glucocorticoids in Combatting Inflammatory and Infectious Diseases. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, 495-522. | 6.6 | 146 |
| 18 | Amyloid Î² Oligomers Disrupt Bloodâ€“CSF Barrier Integrity by Activating Matrix Metalloproteinases. <i>Journal of Neuroscience</i> , 2015, 35, 12766-12778. | 3.6 | 140 |

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|----|---|------|-----------|
| 19 | Glucocorticoid receptor dimerization is required for survival in septic shock <i>via</i> suppression of interleukin-1 in macrophages. <i>FASEB Journal</i> , 2012, 26, 722-729. | 0.5 | 135 |
| 20 | Glucocorticoids limit acute lung inflammation in concert with inflammatory stimuli by induction of SphK1. <i>Nature Communications</i> , 2015, 6, 7796. | 12.8 | 131 |
| 21 | Treatment of TNF mediated diseases by selective inhibition of soluble TNF or TNFR1. <i>Cytokine and Growth Factor Reviews</i> , 2011, 22, 311-319. | 7.2 | 130 |
| 22 | Glucocorticoid receptor dimerization induces MKP1 to protect against TNF-induced inflammation. <i>Journal of Clinical Investigation</i> , 2012, 122, 2130-2140. | 8.2 | 123 |
| 23 | A New Venue of TNF Targeting. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1442. | 4.1 | 96 |
| 24 | Limited involvement of interleukin-6 in the pathogenesis of lethal septic shock as revealed by the effect of monoclonal antibodies against interleukin-6 or its receptor in various murine models. <i>European Journal of Immunology</i> , 1992, 22, 2625-2630. | 2.9 | 94 |
| 25 | Do people living with HIV experience greater age advancement than their HIV-negative counterparts?. <i>Aids</i> , 2019, 33, 259-268. | 2.2 | 93 |
| 26 | Caloric restriction: beneficial effects on brain aging and Alzheimer's disease. <i>Mammalian Genome</i> , 2016, 27, 300-319. | 2.2 | 82 |
| 27 | N-Glycomic Changes in Serum Proteins in Type 2 Diabetes Mellitus Correlate with Complications and with Metabolic Syndrome Parameters. <i>PLoS ONE</i> , 2015, 10, e0119983. | 2.5 | 81 |
| 28 | The choroid plexus-cerebrospinal fluid interface in Alzheimer's disease: more than just a barrier. <i>Neural Regeneration Research</i> , 2016, 11, 534. | 3.0 | 74 |
| 29 | Induction of interleukin 6 by human and murine recombinant interleukin 1 in mice. <i>European Journal of Immunology</i> , 1990, 20, 691-694. | 2.9 | 72 |
| 30 | Glucocorticoids in Sepsis: To Be or Not to Be. <i>Frontiers in Immunology</i> , 2020, 11, 1318. | 4.8 | 71 |
| 31 | LPS resistance of SPRET/Ei mice is mediated by Gilz, encoded by the <i>Tsc22d3</i> gene on the X chromosome. <i>EMBO Molecular Medicine</i> , 2013, 5, 456-470. | 6.9 | 69 |
| 32 | Regulation and dysregulation of tumor necrosis factor receptor-1. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 285-300. | 7.2 | 66 |
| 33 | Safe TNF-based antitumor therapy following p55TNFR reduction in intestinal epithelium. <i>Journal of Clinical Investigation</i> , 2013, 123, 2590-2603. | 8.2 | 64 |
| 34 | Generation and Characterization of Small Single Domain Antibodies Inhibiting Human Tumor Necrosis Factor Receptor 1. <i>Journal of Biological Chemistry</i> , 2015, 290, 4022-4037. | 3.4 | 63 |
| 35 | Dominance of the strongest: Inflammatory cytokines versus glucocorticoids. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 21-33. | 7.2 | 62 |
| 36 | Activation of the Glucocorticoid Receptor in Acute Inflammation: the SEDIGRAM Concept. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 4-16. | 8.7 | 62 |

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|----|--|------|-----------|
| 37 | Response of interleukin-6-deficient mice to tumor necrosis factor-induced metabolic changes and lethality. <i>European Journal of Immunology</i> , 1994, 24, 2237-2242. | 2.9 | 61 |
| 38 | Tumor Necrosis Factor Inhibits Glucocorticoid Receptor Function in Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 26555-26567. | 3.4 | 61 |
| 39 | Glucocorticoid resistance as a major drive in sepsis pathology. <i>Cytokine and Growth Factor Reviews</i> , 2017, 35, 85-96. | 7.2 | 57 |
| 40 | Chromatin recruitment of activated AMPK drives fasting response genes co-controlled by GR and PPAR α . <i>Nucleic Acids Research</i> , 2016, 44, 10539-10553. | 14.5 | 56 |
| 41 | How Steroids Steer T Cells. <i>Cell Reports</i> , 2014, 7, 938-939. | 6.4 | 53 |
| 42 | Clinical implications of leukocyte infiltration at the choroid plexus in (neuro)inflammatory disorders. <i>Drug Discovery Today</i> , 2015, 20, 928-941. | 6.4 | 52 |
| 43 | Glucocorticoid receptor dimers control intestinal STAT1 and TNF-induced inflammation in mice. <i>Journal of Clinical Investigation</i> , 2018, 128, 3265-3279. | 8.2 | 52 |
| 44 | Pharmacological Inhibition of Type I Interferon Signaling Protects Mice Against Lethal Sepsis. <i>Journal of Infectious Diseases</i> , 2014, 209, 960-970. | 4.0 | 50 |
| 45 | A Mediator Role For Metallothionein in Tumor Necrosis Factor α -induced Lethal Shock. <i>Journal of Experimental Medicine</i> , 2001, 194, 1617-1624. | 8.5 | 47 |
| 46 | Tumor necrosis factor alpha mediates the lethal hepatotoxic effects of poly(I:C) in d-galactosamine-sensitized mice. <i>Cytokine</i> , 2008, 42, 55-61. | 3.2 | 47 |
| 47 | Glucocorticoid-induced microRNA μ 511 protects against TNF by downregulating TNFR1. <i>EMBO Molecular Medicine</i> , 2015, 7, 1004-1017. | 6.9 | 47 |
| 48 | Protein modification and maintenance systems as biomarkers of ageing. <i>Mechanisms of Ageing and Development</i> , 2015, 151, 71-84. | 4.6 | 45 |
| 49 | Airway Epithelial Cells Are Crucial Targets of Glucocorticoids in a Mouse Model of Allergic Asthma. <i>Journal of Immunology</i> , 2017, 199, 48-61. | 0.8 | 44 |
| 50 | TNF α inhibits glucocorticoid receptor-induced gene expression by reshaping the GR nuclear cofactor profile. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12942-12951. | 7.1 | 41 |
| 51 | Dual Inhibition of TNFR1 and IFNAR1 in Imiquimod-Induced Psoriasiform Skin Inflammation in Mice. <i>Journal of Immunology</i> , 2015, 194, 5094-5102. | 0.8 | 40 |
| 52 | Complete overview of protein-inactivating sequence variations in 36 sequenced mouse inbred strains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9158-9163. | 7.1 | 37 |
| 53 | Protection of Zinc against Tumor Necrosis Factor α -Induced Lethal Inflammation Depends on Heat Shock Protein 70 and Allows Safe Antitumor Therapy. <i>Cancer Research</i> , 2007, 67, 7301-7307. | 0.9 | 35 |
| 54 | Predominant contribution of cis regulatory divergence in the evolution of mouse alternative splicing. <i>Molecular Systems Biology</i> , 2015, 11, 816. | 7.2 | 34 |

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|----|--|------|-----------|
| 55 | Hepatic PPAR α function and lipid metabolic pathways are dysregulated in polymicrobial sepsis. <i>EMBO Molecular Medicine</i> , 2020, 12, e11319. | 6.9 | 34 |
| 56 | Sepsis: a failing starvation response. <i>Trends in Endocrinology and Metabolism</i> , 2022, 33, 292-304. | 7.1 | 34 |
| 57 | The Influence of Modulating Substances on Tumor Necrosis Factor and Interleukin-6 Levels After Injection of Murine Tumor Necrosis Factor or Lipopolysaccharide in Mice. <i>Journal of Immunotherapy</i> , 1991, 10, 227-235. | 2.4 | 33 |
| 58 | Therapeutic implications of the choroid plexus-cerebrospinal fluid interface in neuropsychiatric disorders. <i>Brain, Behavior, and Immunity</i> , 2015, 50, 1-13. | 4.1 | 29 |
| 59 | DUSP3 Genetic Deletion Confers M2-like Macrophage-Dependent Tolerance to Septic Shock. <i>Journal of Immunology</i> , 2015, 194, 4951-4962. | 0.8 | 28 |
| 60 | The autophagy receptor SQSTM1/p62 mediates anti-inflammatory actions of the selective NR3C1/glucocorticoid receptor modulator compound A (CpdA) in macrophages. <i>Autophagy</i> , 2018, 14, 2049-2064. | 9.1 | 28 |
| 61 | Combined glucocorticoid resistance and hyperlactatemia contributes to lethal shock in sepsis. <i>Cell Metabolism</i> , 2021, 33, 1763-1776.e5. | 16.2 | 28 |
| 62 | Increased Glucocorticoid Receptor Expression and Activity Mediate the LPS Resistance of SPRET/Ei Mice. <i>Journal of Biological Chemistry</i> , 2010, 285, 31073-31086. | 3.4 | 27 |
| 63 | The E3 ubiquitin ligases HOIP and cIAP1 are recruited to the TNFR2 signaling complex and mediate TNFR2-induced canonical NF- κ B signaling. <i>Biochemical Pharmacology</i> , 2018, 153, 292-298. | 4.4 | 27 |
| 64 | Mechanistic insights into the protective impact of zinc on sepsis. <i>Cytokine and Growth Factor Reviews</i> , 2018, 39, 92-101. | 7.2 | 27 |
| 65 | Hypoxia-inducible factors in metabolic reprogramming during sepsis. <i>FEBS Journal</i> , 2020, 287, 1478-1495. | 4.7 | 27 |
| 66 | Macrophage miR-210 induction and metabolic reprogramming in response to pathogen interaction boost life-threatening inflammation. <i>Science Advances</i> , 2021, 7, . | 10.3 | 26 |
| 67 | Overexpression of Gilz Protects Mice Against Lethal Septic Peritonitis. <i>Shock</i> , 2019, 52, 208-214. | 2.1 | 24 |
| 68 | Alterations of the serum N-glycan profile in female patients with Major Depressive Disorder. <i>Journal of Affective Disorders</i> , 2018, 234, 139-147. | 4.1 | 22 |
| 69 | The N-glycan profile of placental membrane glycoproteins alters during gestation and aging. <i>Mechanisms of Ageing and Development</i> , 2014, 138, 1-9. | 4.6 | 20 |
| 70 | The androgen receptor depends on ligand-binding domain dimerization for transcriptional activation. <i>EMBO Reports</i> , 2021, 22, e52764. | 4.5 | 20 |
| 71 | Mx1 causes resistance against influenza A viruses in the <i>Mus spretus</i> -derived inbred mouse strain SPRET/Ei. <i>Cytokine</i> , 2008, 42, 62-70. | 3.2 | 18 |
| 72 | Decreased TNF Levels and Improved Retinal Ganglion Cell Survival in MMP-2 Null Mice Suggest a Role for MMP-2 as TNF Sheddase. <i>Mediators of Inflammation</i> , 2015, 2015, 1-13. | 3.0 | 17 |

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|----|---|------|-----------|
| 73 | Preeclampsia transforms membrane N-glycome in human placenta. <i>Experimental and Molecular Pathology</i> , 2016, 100, 26-30. | 2.1 | 17 |
| 74 | A screening assay for Selective Dimerizing Glucocorticoid Receptor Agonists and Modulators (SEDIGRAM) that are effective against acute inflammation. <i>Scientific Reports</i> , 2018, 8, 12894. | 3.3 | 17 |
| 75 | A Study of Cecal Ligation and Puncture-Induced Sepsis in Tissue-Specific Tumor Necrosis Factor Receptor 1-Deficient Mice. <i>Frontiers in Immunology</i> , 2019, 10, 2574. | 4.8 | 16 |
| 76 | High-level constitutive expression of alpha 1-acid glycoprotein and lack of protection against tumor necrosis factor-induced lethal shock in transgenic mice. <i>Transgenic Research</i> , 1998, 7, 429-435. | 2.4 | 15 |
| 77 | Phytohormones: Multifunctional nutraceuticals against metabolic syndrome and comorbid diseases. <i>Biochemical Pharmacology</i> , 2020, 175, 113866. | 4.4 | 15 |
| 78 | Zinc inhibits lethal inflammatory shock by preventing microbe-induced interferon signature in intestinal epithelium. <i>EMBO Molecular Medicine</i> , 2020, 12, e11917. | 6.9 | 14 |
| 79 | Bidirectional Crosstalk Between Hypoxia Inducible Factors and Glucocorticoid Signalling in Health and Disease. <i>Frontiers in Immunology</i> , 2021, 12, 684085. | 4.8 | 13 |
| 80 | Dimerization of the Glucocorticoid Receptor and Its Importance in (Patho)physiology: A Primer. <i>Cells</i> , 2022, 11, 683. | 4.1 | 13 |
| 81 | Choose your models wisely: How different murine bone marrow-derived dendritic cell protocols influence the success of nanoparticulate vaccines in vitro. <i>Journal of Controlled Release</i> , 2014, 195, 138-146. | 9.9 | 12 |
| 82 | Mechanisms Underlying the Functional Cooperation Between PPAR α and GR to Attenuate Inflammatory Responses. <i>Frontiers in Immunology</i> , 2019, 10, 1769. | 4.8 | 12 |
| 83 | Cognitive dysfunction in mice lacking proper glucocorticoid receptor dimerization. <i>PLoS ONE</i> , 2019, 14, e0226753. | 2.5 | 10 |
| 84 | Modulation of Dendritic Cells by Lipid Grafted Polyelectrolyte Microcapsules. <i>Advanced Functional Materials</i> , 2012, 22, 4236-4243. | 14.9 | 9 |
| 85 | Genetic mapping of species differences via in vitro crosses in mouse embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3680-3685. | 7.1 | 9 |
| 86 | The nature of the GRE influences the screening for GR-activity enhancing modulators. <i>PLoS ONE</i> , 2017, 12, e0181101. | 2.5 | 8 |
| 87 | Glucocorticoids limit lipopolysaccharide-induced lethal inflammation by a double control system. <i>EMBO Reports</i> , 2020, 21, e49762. | 4.5 | 8 |
| 88 | How Good Roommates Can Protect against Microbial Sepsis. <i>Cell Host and Microbe</i> , 2018, 23, 283-285. | 11.0 | 7 |
| 89 | Potential of glucocorticoids to treat intestinal inflammation during sepsis. <i>Current Opinion in Pharmacology</i> , 2020, 53, 1-7. | 3.5 | 7 |
| 90 | Reprogramming of glucocorticoid receptor function by hypoxia. <i>EMBO Reports</i> , 2022, 23, e53083. | 4.5 | 7 |

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|-----|--|------|-----------|
| 91 | Point mutation I634A in the glucocorticoid receptor causes embryonic lethality by reduced ligand binding. <i>Journal of Biological Chemistry</i> , 2022, 298, 101574. | 3.4 | 6 |
| 92 | Efficient analysis of mouse genome sequences reveal many nonsense variants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5670-5675. | 7.1 | 5 |
| 93 | GILZ in sepsis: "Poor is the pupil who does not surpass his master". <i>European Journal of Immunology</i> , 2020, 50, 490-493. | 2.9 | 5 |
| 94 | Ratpost: a searchable database of protein-inactivating sequence variations in 40 sequenced rat-inbred strains. <i>Mammalian Genome</i> , 2021, 32, 1-11. | 2.2 | 5 |
| 95 | Should we target TNF receptors in the intestinal epithelium with glucocorticoids during systemic inflammation?. <i>Expert Opinion on Therapeutic Targets</i> , 2018, 22, 1029-1037. | 3.4 | 4 |
| 96 | miR-511 Deficiency Protects Mice from Experimental Colitis by Reducing TLR3 and TLR4 Responses via WD Repeat and FYVE-Domain-Containing Protein 1. <i>Cells</i> , 2022, 11, 58. | 4.1 | 4 |
| 97 | N-glycome Profile Levels Relate to Silent Brain Infarcts in a Cohort of Hypertensives. <i>Journal of the American Heart Association</i> , 2015, 4, . | 3.7 | 3 |
| 98 | Learning lessons in sepsis from the children. <i>Molecular Systems Biology</i> , 2018, 14, e8335. | 7.2 | 2 |
| 99 | An extracellular microRNA can rescue lives in sepsis. <i>EMBO Reports</i> , 2020, 21, e49193. | 4.5 | 2 |
| 100 | Coding variants in mouse and rat model organisms: mousepost and ratpost. <i>Mammalian Genome</i> , 2022, 33, 81-87. | 2.2 | 2 |
| 101 | Turning a pathogen protein into a therapeutic tool for sepsis. <i>EMBO Molecular Medicine</i> , 2021, 13, e13589. | 6.9 | 2 |
| 102 | Engineering a highly sensitive biosensor for abscisic acid in mammalian cells. <i>FEBS Letters</i> , 2022, 596, 2576-2590. | 2.8 | 2 |
| 103 | Easy Access to and Applications of the Sequences of All Protein-Coding Genes of All Sequenced Mouse Strains. <i>Trends in Genetics</i> , 2018, 34, 899-902. | 6.7 | 1 |
| 104 | Taking the STING Out of Sepsis?. <i>Cell Host and Microbe</i> , 2020, 27, 491-493. | 11.0 | 1 |
| 105 | ZBTB32 performs crosstalk with the glucocorticoid receptor and is crucial in glucocorticoid responses to starvation. <i>IScience</i> , 2021, 24, 102790. | 4.1 | 1 |
| 106 | Mechanisms of sensitization by infections towards tumour necrosis factor induced sirs. <i>Intensive Care Medicine</i> , 1996, 22, S28-S28. | 8.2 | 0 |