

# Karolien De Bosscher

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

7,433  
citations

66315

42  
h-index

56687

83  
g-index

93  
all docs

93  
docs citations

93  
times ranked

9540  
citing authors

#	ARTICLE	IF	CITATIONS
1	Approaches towards tissue-selective pharmacology of the mineralocorticoid receptor. <i>British Journal of Pharmacology</i> , 2022, 179, 3235-3249.	2.7	14
2	Reprogramming of glucocorticoid receptor function by hypoxia. <i>EMBO Reports</i> , 2022, 23, e53083.	2.0	7
3	Point mutation I634A in the glucocorticoid receptor causes embryonic lethality by reduced ligand binding. <i>Journal of Biological Chemistry</i> , 2022, 298, 101574.	1.6	6
4	Hepatic glucocorticoid-induced transcriptional regulation is androgen-dependent after chronic but not acute glucocorticoid exposure. <i>FASEB Journal</i> , 2022, 36, e22251.	0.2	2
5	Carboxylic Acid Bioisosteres in Medicinal Chemistry: Synthesis and Properties. <i>Journal of Chemistry</i> , 2022, 2022, 1-21.	0.9	16
6	Novel assays monitoring direct glucocorticoid receptor protein activity exhibit high predictive power for ligand activity on endogenous gene targets. <i>Biomedicine and Pharmacotherapy</i> , 2022, 152, 113218.	2.5	7
7	ZBTB32 performs crosstalk with the glucocorticoid receptor and is crucial in glucocorticoid responses to starvation. <i>IScience</i> , 2021, 24, 102790.	1.9	1
8	How the glucocorticoid receptor contributes to platinum-based therapy resistance in solid cancer. <i>Nature Communications</i> , 2021, 12, 4959.	5.8	1
9	Combined glucocorticoid resistance and hyperlactatemia contributes to lethal shock in sepsis. <i>Cell Metabolism</i> , 2021, 33, 1763-1776.e5.	7.2	28
10	Improved Glucocorticoid Receptor Ligands: Fantastic Beasts, but How to Find Them?. <i>Frontiers in Endocrinology</i> , 2020, 11, 559673.	1.5	25
11	Latest perspectives on glucocorticoid-induced apoptosis and resistance in lymphoid malignancies. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020, 1874, 188430.	3.3	22
12	Nuclear receptor crosstalk – defining the mechanisms for therapeutic innovation. <i>Nature Reviews Endocrinology</i> , 2020, 16, 363-377.	4.3	113
13	Glucocorticoids limit lipopolysaccharide-induced lethal inflammation by a double control system. <i>EMBO Reports</i> , 2020, 21, e49762.	2.0	8
14	Zinc inhibits lethal inflammatory shock by preventing microbe-induced interferon signature in intestinal epithelium. <i>EMBO Molecular Medicine</i> , 2020, 12, e11917.	3.3	14
15	Critical Roles of Endogenous Glucocorticoids for Disease Tolerance in Malaria. <i>Trends in Parasitology</i> , 2019, 35, 918-930.	1.5	8
16	Mechanisms Underlying the Functional Cooperation Between PPAR $\alpha$ and GR to Attenuate Inflammatory Responses. <i>Frontiers in Immunology</i> , 2019, 10, 1769.	2.2	12
17	Delayed development of the protective IL-17A response following a <i>Giardia muris</i> infection in neonatal mice. <i>Scientific Reports</i> , 2019, 9, 8959.	1.6	11
18	TNF- $\alpha$ 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.	3.3	41

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19	Risks and benefits of corticosteroids in arthritic diseases in the clinic. <i>Biochemical Pharmacology</i> , 2019, 165, 112-125.	2.0	22
20	Co-Activation of Glucocorticoid Receptor and Peroxisome Proliferator-Activated Receptor- $\beta$ in Murine Skin Prevents Worsening of Atopic March. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1360-1370.	0.3	16
21	Biallelic and monoallelic ESR2 variants associated with 46,XY disorders of sex development. <i>Genetics in Medicine</i> , 2018, 20, 717-727.	1.1	28
22	Glucocorticoids indirectly decrease colon cancer cell proliferation and invasion via effects on cancer-associated fibroblasts. <i>Experimental Cell Research</i> , 2018, 362, 332-342.	1.2	13
23	Therapeutic Mechanisms of Glucocorticoids. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 42-54.	3.1	334
24	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.	1.6	17
25	Adrenal hormones mediate disease tolerance in malaria. <i>Nature Communications</i> , 2018, 9, 4525.	5.8	27
26	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.	4.3	28
27	Effect of combining glucocorticoids with Compound A on glucocorticoid receptor responsiveness in lymphoid malignancies. <i>PLoS ONE</i> , 2018, 13, e0197000.	1.1	9
28	Molecular Actions of PPAR $\alpha$ in Lipid Metabolism and Inflammation. <i>Endocrine Reviews</i> , 2018, 39, 760-802.	8.9	420
29	Strategies and Compounds to Circumvent Glucocorticoid-Induced Side Effects. , 2018, , 283-305.		2
30	Glucocorticoid receptor dimers control intestinal STAT1 and TNF-induced inflammation in mice. <i>Journal of Clinical Investigation</i> , 2018, 128, 3265-3279.	3.9	52
31	Daucane esters from laserwort ( <i>Laserpitium latifolium</i> L.) inhibit cytokine and chemokine production in human lung epithelial cells. <i>Phytomedicine</i> , 2017, 26, 28-36.	2.3	1
32	Epicutaneous sensitization to house dust mite allergen requires interferon regulatory factor 4-dependent dermal dendritic cells. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1364-1377.e2.	1.5	55
33	Semi-synthetic sapogenin exerts neuroprotective effects by skewing the brain ischemia reperfusion transcriptome towards inflammatory resolution. <i>Brain, Behavior, and Immunity</i> , 2017, 64, 103-115.	2.0	2
34	Involvement of the Glucocorticoid Receptor in Pro-inflammatory Transcription Factor Inhibition by Daucane Esters from <i>Laserpitium zernyi</i> . <i>Journal of Natural Products</i> , 2017, 80, 1505-1513.	1.5	5
35	Compound A influences gene regulation of the Dexamethasone-activated glucocorticoid receptor by alternative cofactor recruitment. <i>Scientific Reports</i> , 2017, 7, 8063.	1.6	32
36	Interleukin-17 receptor A (IL-17RA) as a central regulator of the protective immune response against <i>Giardia</i> . <i>Scientific Reports</i> , 2017, 7, 8520.	1.6	23

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37	Glucocorticoid Receptor-mediated transactivation is hampered by Striatin-3, a novel interaction partner of the receptor. <i>Scientific Reports</i> , 2017, 7, 8941.	1.6	9
38	TYK2-induced phosphorylation of Y640 suppresses STAT3 transcriptional activity. <i>Scientific Reports</i> , 2017, 7, 15919.	1.6	13
39	Interplay between barrier epithelial cells and dendritic cells in allergic sensitization through the lung and the skin. <i>Immunological Reviews</i> , 2017, 278, 131-144.	2.8	57
40	Colon cancer-derived myofibroblasts increase endothelial cell migration by glucocorticoid-sensitive secretion of a pro-migratory factor. <i>Vascular Pharmacology</i> , 2017, 89, 19-30.	1.0	18
41	Plasmodium berghei NK65 in Combination with IFN- $\gamma$ Induces Endothelial Glucocorticoid Resistance via Sustained Activation of p38 and JNK. <i>Frontiers in Immunology</i> , 2017, 8, 1199.	2.2	9
42	Selective Glucocorticoid Receptor Properties of GSK866 Analogs with Cysteine Reactive Warheads. <i>Frontiers in Immunology</i> , 2017, 8, 1324.	2.2	10
43	Glucocorticoid receptors: finding the middle ground. <i>Journal of Clinical Investigation</i> , 2017, 127, 1136-1145.	3.9	106
44	The nature of the GRE influences the screening for GR-activity enhancing modulators. <i>PLoS ONE</i> , 2017, 12, e0181101.	1.1	8
45	Coregulator profiling of the glucocorticoid receptor in lymphoid malignancies. <i>Oncotarget</i> , 2017, 8, 109675-109691.	0.8	13
46	Endothelial Response to Glucocorticoids in Inflammatory Diseases. <i>Frontiers in Immunology</i> , 2016, 7, 592.	2.2	76
47	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.	2.9	146
48	Chromatin recruitment of activated AMPK drives fasting response genes co-controlled by GR and PPAR $\alpha$ . <i>Nucleic Acids Research</i> , 2016, 44, 10539-10553.	6.5	56
49	GR-independent down-modulation on GM-CSF bone marrow-derived dendritic cells by the selective glucocorticoid receptor modulator Compound A. <i>Scientific Reports</i> , 2016, 6, 36646.	1.6	7
50	Proteome-scale Binary Interactomics in Human Cells. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3624-3639.	2.5	23
51	Modulation of Protein-Protein Interactions for the Development of Novel Therapeutics. <i>Molecular Therapy</i> , 2016, 24, 707-718.	3.7	165
52	Activation of the Glucocorticoid Receptor in Acute Inflammation: the SEDIGRAM Concept. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 4-16.	4.0	62
53	Differential Cytokine Profiles upon Comparing Selective versus Classic Glucocorticoid Receptor Modulation in Human Peripheral Blood Mononuclear Cells and Inferior Turbinate Tissue. <i>PLoS ONE</i> , 2015, 10, e0123068.	1.1	7
54	Selective glucocorticoid receptor modulation: New directions with non-steroidal scaffolds. , 2015, 152, 28-41.		172

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55	Synthesis of benzothiophene-based hydroxamic acids as potent and selective HDAC6 inhibitors. <i>Chemical Communications</i> , 2015, 51, 9868-9871.	2.2	28
56	Pharmacological Levels of Withaferin A ( <i>Withania somnifera</i> ) Trigger Clinically Relevant Anticancer Effects Specific to Triple Negative Breast Cancer Cells. <i>PLoS ONE</i> , 2014, 9, e87850.	1.1	70
57	How the Venom from the Ectoparasitoid Wasp <i>Nasonia vitripennis</i> Exhibits Anti-Inflammatory Properties on Mammalian Cell Lines. <i>PLoS ONE</i> , 2014, 9, e96825.	1.1	31
58	Hypoxia-inducible Lipid Droplet-associated (HILPDA) Is a Novel Peroxisome Proliferator-activated Receptor (PPAR) Target Involved in Hepatic Triglyceride Secretion. <i>Journal of Biological Chemistry</i> , 2014, 289, 19279-19293.	1.6	61
59	Selective modulation of the glucocorticoid receptor can distinguish between transrepression of NF- $\kappa$ B and AP-1. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 143-163.	2.4	67
60	<i>In Vitro</i> Inhibition of the Transcription Factor NF- $\kappa$ B and Cyclooxygenase by Bamboo Extracts. <i>Phytotherapy Research</i> , 2014, 28, 224-230.	2.8	66
61	<i>Giardia muris</i> Infection in Mice Is Associated with a Protective Interleukin 17A Response and Induction of Peroxisome Proliferator-Activated Receptor Alpha. <i>Infection and Immunity</i> , 2014, 82, 3333-3340.	1.0	56
62	The transrepressive activity of peroxisome proliferator-activated receptor alpha is necessary and sufficient to prevent liver fibrosis in mice. <i>Hepatology</i> , 2014, 60, 1593-1606.	3.6	116
63	Mitogen- and stress-activated protein kinase 1 MSK1 regulates glucocorticoid response element promoter activity in a glucocorticoid concentration-dependent manner. <i>European Journal of Pharmacology</i> , 2013, 715, 1-9.	1.7	6
64	How glucocorticoid receptors modulate the activity of other transcription factors: A scope beyond tethering. <i>Molecular and Cellular Endocrinology</i> , 2013, 380, 41-54.	1.6	341
65	Compound A, a Selective Glucocorticoid Receptor Modulator, Enhances Heat Shock Protein Hsp70 Gene Promoter Activation. <i>PLoS ONE</i> , 2013, 8, e69115.	1.1	25
66	Selective glucocorticoid receptor modulation maintains bone mineral density in mice. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 2242-2250.	3.1	79
67	A Dissociated Glucocorticoid Receptor Modulator Reduces Airway Hyperresponsiveness and Inflammation in a Mouse Model of Asthma. <i>Journal of Immunology</i> , 2012, 188, 3478-3487.	0.4	81
68	Compound A, a Dissociated Glucocorticoid Receptor Modulator, Inhibits T-bet (Th1) and Induces GATA-3 (Th2) Activity in Immune Cells. <i>PLoS ONE</i> , 2012, 7, e35155.	1.1	32
69	MAPPIT: A protein interaction toolbox built on insights in cytokine receptor signaling. <i>Cytokine and Growth Factor Reviews</i> , 2011, 22, 321-329.	3.2	27
70	Dissociation of Osteogenic and Immunological Effects by the Selective Glucocorticoid Receptor Agonist, Compound A, in Human Bone Marrow Stromal Cells. <i>Endocrinology</i> , 2011, 152, 103-112.	1.4	48
71	An anti-inflammatory selective glucocorticoid receptor modulator preserves osteoblast differentiation. <i>FASEB Journal</i> , 2011, 25, 1323-1332.	0.2	69
72	Abrogation of Glucocorticoid Receptor Dimerization Correlates with Dissociated Glucocorticoid Behavior of Compound A. <i>Journal of Biological Chemistry</i> , 2010, 285, 8061-8075.	1.6	66

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73	Antiinflammatory Properties of a Plant-Derived Nonsteroidal, Dissociated Glucocorticoid Receptor Modulator in Experimental Autoimmune Encephalomyelitis. <i>Molecular Endocrinology</i> , 2010, 24, 310-322.	3.7	55
74	Selective Glucocorticoid Receptor modulators. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 120, 96-104.	1.2	112
75	Targeting inflammation using selective glucocorticoid receptor modulators. <i>Current Opinion in Pharmacology</i> , 2010, 10, 497-504.	1.7	115
76	Crosstalk between TNF and glucocorticoid receptor signaling pathways. <i>Cytokine and Growth Factor Reviews</i> , 2010, 21, 275-286.	3.2	64
77	Classic glucocorticoids versus non-steroidal glucocorticoid receptor modulators: Survival of the fittest regulator of the immune system?. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 1035-1042.	2.0	58
78	Minireview: Latest Perspectives on Antiinflammatory Actions of Glucocorticoids. <i>Molecular Endocrinology</i> , 2009, 23, 281-291.	3.7	256
79	PPAR $\alpha$ blocks glucocorticoid receptor $\alpha$ -mediated transactivation but cooperates with the activated glucocorticoid receptor $\alpha$ for transrepression on NF- $\kappa$ B. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7397-7402.	3.3	102
80	Crosstalk in Inflammation: The Interplay of Glucocorticoid Receptor-Based Mechanisms and Kinases and Phosphatases. <i>Endocrine Reviews</i> , 2009, 30, 830-882.	8.9	251
81	Glucocorticoids and mitogen- and stress-activated protein kinase 1 inhibitors: Possible partners in the combat against inflammation. <i>Biochemical Pharmacology</i> , 2009, 77, 1194-1205.	2.0	33
82	Differential mechanism of NF- $\kappa$ B inhibition by two glucocorticoid receptor modulators in rheumatoid arthritis synovial fibroblasts. <i>Arthritis and Rheumatism</i> , 2009, 60, 3241-3250.	6.7	61
83	Altered subcellular distribution of MSK1 induced by glucocorticoids contributes to NF- $\kappa$ B inhibition. <i>EMBO Journal</i> , 2008, 27, 1682-1693.	3.5	90
84	Selective transrepression versus transactivation mechanisms by glucocorticoid receptor modulators in stress and immune systems. <i>European Journal of Pharmacology</i> , 2008, 583, 290-302.	1.7	82
85	A Plant-Derived Ligand Favoring Monomeric Glucocorticoid Receptor Conformation with Impaired Transactivation Potential Attenuates Collagen-Induced Arthritis. <i>Journal of Immunology</i> , 2008, 180, 2608-2615.	0.4	125
86	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.	3.3	245
87	The Interplay between the Glucocorticoid Receptor and Nuclear Factor- $\kappa$ B or Activator Protein-1: Molecular Mechanisms for Gene Repression. <i>Endocrine Reviews</i> , 2003, 24, 488-522.	8.9	808
88	Glucocorticoid Repression of AP-1 Is Not Mediated by Competition for Nuclear Coactivators. <i>Molecular Endocrinology</i> , 2001, 15, 219-227.	3.7	80
89	Signal transduction by tumor necrosis factor and gene regulation of the inflammatory cytokine interleukin-6. <i>Biochemical Pharmacology</i> , 2000, 60, 1185-1195.	2.0	272
90	The Nuclear Factor- $\kappa$ B Engages CBP/p300 and Histone Acetyltransferase Activity for Transcriptional Activation of the Interleukin-6 Gene Promoter. <i>Journal of Biological Chemistry</i> , 1999, 274, 32091-32098.	1.6	327

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91	p38 and Extracellular Signal-regulated Kinase Mitogen-activated Protein Kinase Pathways Are Required for Nuclear Factor- $\kappa$ B p65 Transactivation Mediated by Tumor Necrosis Factor. <i>Journal of Biological Chemistry</i> , 1998, 273, 3285-3290.	1.6	643