Karolien De Bosscher

List of Publications by Year
in descending order

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91 papers	7,433 citations	66234 42 h-index	56606 83 g-index
93 all docs	93 docs citations	93 times ranked	9540 citing authors

#	Article	IF	Citations
1	The Interplay between the Glucocorticoid Receptor and Nuclear Factor-ÎºB or Activator Protein-1: Molecular Mechanisms for Gene Repression. Endocrine Reviews, 2003, 24, 488-522.	8.9	808
2	p38 and Extracellular Signal-regulated Kinase Mitogen-activated Protein Kinase Pathways Are Required for Nuclear Factor-ÎºB p65 Transactivation Mediated by Tumor Necrosis Factor. Journal of Biological Chemistry, 1998, 273, 3285-3290.	1.6	643
3	Molecular Actions of PPARÎ± in Lipid Metabolism and Inflammation. Endocrine Reviews, 2018, 39, 760-802.	8.9	420
4	How glucocorticoid receptors modulate the activity of other transcription factors: A scope beyond tethering. Molecular and Cellular Endocrinology, 2013, 380, 41-54.	1.6	341
5	Therapeutic Mechanisms of Glucocorticoids. Trends in Endocrinology and Metabolism, 2018, 29, 42-54.	3.1	334
6	The Nuclear Factor-ÎºB Engages CBP/p300 and Histone Acetyltransferase Activity for Transcriptional Activation of the Interleukin-6 Gene Promoter. Journal of Biological Chemistry, 1999, 274, 32091-32098.	1.6	327
7	Signal transduction by tumor necrosis factor and gene regulation of the inflammatory cytokine interleukin-6. Biochemical Pharmacology, 2000, 60, 1185-1195.	2.0	272
8	Minireview: Latest Perspectives on Antiinflammatory Actions of Glucocorticoids. Molecular Endocrinology, 2009, 23, 281-291.	3.7	256
9	Crosstalk in Inflammation: The Interplay of Glucocorticoid Receptor-Based Mechanisms and Kinases and Phosphatases. Endocrine Reviews, 2009, 30, 830-882.	8.9	251
10	A fully dissociated compound of plant origin for inflammatory gene repression. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15827-15832.	3.3	245
11	Selective glucocorticoid receptor modulation: New directions with non-steroidal scaffolds. , 2015, 152, 28-41.		172
12	Modulation of Proteinâ€“Protein Interactions for the Development of Novel Therapeutics. Molecular Therapy, 2016, 24, 707-718.	3.7	165
13	The Interactome of the Glucocorticoid Receptor and Its Influence on the Actions of Glucocorticoids in Combatting Inflammatory and Infectious Diseases. Microbiology and Molecular Biology Reviews, 2016, 80, 495-522.	2.9	146
14	A Plant-Derived Ligand Favoring Monomeric Glucocorticoid Receptor Conformation with Impaired Transactivation Potential Attenuates Collagen-Induced Arthritis. Journal of Immunology, 2008, 180, 2608-2615.	0.4	125
15	The transrepressive activity of peroxisome proliferator-activated receptor alpha is necessary and sufficient to prevent liver fibrosis in mice. Hepatology, 2014, 60, 1593-1606.	3.6	116
16	Targeting inflammation using selective glucocorticoid receptor modulators. Current Opinion in Pharmacology, 2010, 10, 497-504.	1.7	115
17	Nuclear receptor crosstalk â€” defining the mechanisms for therapeutic innovation. Nature Reviews Endocrinology, 2020, 16, 363-377.	4.3	113
18	Selective Glucocorticoid Receptor modulators. Journal of Steroid Biochemistry and Molecular Biology, 2010, 120, 96-104.	1.2	112

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19	Glucocorticoid receptors: finding the middle ground. Journal of Clinical Investigation, 2017, 127, 1136-1145.	3.9	106
20	PPARÎ± blocks glucocorticoid receptor Î±-mediated transactivation but cooperates with the activated glucocorticoid receptor Î± for transrepression on NF-Î²B. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7397-7402.	3.3	102
21	Altered subcellular distribution of MSK1 induced by glucocorticoids contributes to NF-Î²B inhibition. EMBO Journal, 2008, 27, 1682-1693.	3.5	90
22	Selective transrepression versus transactivation mechanisms by glucocorticoid receptor modulators in stress and immune systems. European Journal of Pharmacology, 2008, 583, 290-302.	1.7	82
23	A Dissociated Glucocorticoid Receptor Modulator Reduces Airway Hyperresponsiveness and Inflammation in a Mouse Model of Asthma. Journal of Immunology, 2012, 188, 3478-3487.	0.4	81
24	Glucocorticoid Repression of AP-1 Is Not Mediated by Competition for Nuclear Coactivators. Molecular Endocrinology, 2001, 15, 219-227.	3.7	80
25	Selective glucocorticoid receptor modulation maintains bone mineral density in mice. Journal of Bone and Mineral Research, 2012, 27, 2242-2250.	3.1	79
26	Endothelial Response to Glucocorticoids in Inflammatory Diseases. Frontiers in Immunology, 2016, 7, 592.	2.2	76
27	Pharmacological Levels of Withaferin A (Withania somnifera) Trigger Clinically Relevant Anticancer Effects Specific to Triple Negative Breast Cancer Cells. PLoS ONE, 2014, 9, e87850.	1.1	70
28	An antiâ€inflammatory selective glucocorticoid receptor modulator preserves osteoblast differentiation. FASEB Journal, 2011, 25, 1323-1332.	0.2	69
29	Selective modulation of the glucocorticoid receptor can distinguish between transrepression of NF-Î²B and AP-1. Cellular and Molecular Life Sciences, 2014, 71, 143-163.	2.4	67
30	Abrogation of Glucocorticoid Receptor Dimerization Correlates with Dissociated Glucocorticoid Behavior of Compound A. Journal of Biological Chemistry, 2010, 285, 8061-8075.	1.6	66
31	In Vitro Inhibition of the Transcription Factor NFâ€Î²B and Cyclooxygenase by Bamboo Extracts. Phytotherapy Research, 2014, 28, 224-230.	2.8	66
32	Crosstalk between TNF and glucocorticoid receptor signaling pathways. Cytokine and Growth Factor Reviews, 2010, 21, 275-286.	3.2	64
33	Activation of the Glucocorticoid Receptor in Acute Inflammation: the SEDIGRAM Concept. Trends in Pharmacological Sciences, 2016, 37, 4-16.	4.0	62
34	Differential mechanism of NFâ€Î²B inhibition by two glucocorticoid receptor modulators in rheumatoid arthritis synovial fibroblasts. Arthritis and Rheumatism, 2009, 60, 3241-3250.	6.7	61
35	Hypoxia-inducible Lipid Droplet-associated (HILPDA) Is a Novel Peroxisome Proliferator-activated Receptor (PPAR) Target Involved in Hepatic Triglyceride Secretion. Journal of Biological Chemistry, 2014, 289, 19279-19293.	1.6	61
36	Classic glucocorticoids versus non-steroidal glucocorticoid receptor modulators: Survival of the fittest regulator of the immune system?. Brain, Behavior, and Immunity, 2010, 24, 1035-1042.	2.0	58

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37	Interplay between barrier epithelial cells and dendritic cells in allergic sensitization through the lung and the skin. Immunological Reviews, 2017, 278, 131-144.	2.8	57
38	Giardia muris Infection in Mice Is Associated with a Protective Interleukin 17A Response and Induction of Peroxisome Proliferator-Activated Receptor Alpha. Infection and Immunity, 2014, 82, 3333-3340.	1.0	56
39	Chromatin recruitment of activated AMPK drives fasting response genes co-controlled by GR and PPARÎ±. Nucleic Acids Research, 2016, 44, 10539-10553.	6.5	56
40	Antiinflammatory Properties of a Plant-Derived Nonsteroidal, Dissociated Glucocorticoid Receptor Modulator in Experimental Autoimmune Encephalomyelitis. Molecular Endocrinology, 2010, 24, 310-322.	3.7	55
41	Epicutaneous sensitization to house dust mite allergen requires interferon regulatory factor 4â€“dependent dermal dendritic cells. Journal of Allergy and Clinical Immunology, 2017, 140, 1364-1377.e2.	1.5	55
42	Glucocorticoid receptor dimers control intestinal STAT1 and TNF-induced inflammation in mice. Journal of Clinical Investigation, 2018, 128, 3265-3279.	3.9	52
43	Dissociation of Osteogenic and Immunological Effects by the Selective Glucocorticoid Receptor Agonist, Compound A, in Human Bone Marrow Stromal Cells. Endocrinology, 2011, 152, 103-112.	1.4	48
44	TNF-Î± inhibits glucocorticoid receptor-induced gene expression by reshaping the GR nuclear cofactor profile. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12942-12951.	3.3	41
45	Glucocorticoids and mitogen- and stress-activated protein kinase 1 inhibitors: Possible partners in the combat against inflammation. Biochemical Pharmacology, 2009, 77, 1194-1205.	2.0	33
46	Compound A, a Dissociated Glucocorticoid Receptor Modulator, Inhibits T-bet (Th1) and Induces GATA-3 (Th2) Activity in Immune Cells. PLoS ONE, 2012, 7, e35155.	1.1	32
47	Compound A influences gene regulation of the Dexamethasone-activated glucocorticoid receptor by alternative cofactor recruitment. Scientific Reports, 2017, 7, 8063.	1.6	32
48	How the Venom from the Ectoparasitoid Wasp Nasonia vitripennis Exhibits Anti-Inflammatory Properties on Mammalian Cell Lines. PLoS ONE, 2014, 9, e96825.	1.1	31
49	Synthesis of benzothiophene-based hydroxamic acids as potent and selective HDAC6 inhibitors. Chemical Communications, 2015, 51, 9868-9871.	2.2	28
50	Biallelic and monoallelic ESR2 variants associated with 46,XY disorders of sex development. Genetics in Medicine, 2018, 20, 717-727.	1.1	28
51	The autophagy receptor SQSTM1/p62 mediates anti-inflammatory actions of the selective NR3C1/glucocorticoid receptor modulator compound A (CpdA) in macrophages. Autophagy, 2018, 14, 2049-2064.	4.3	28
52	Combined glucocorticoid resistance and hyperlactatemia contributes to lethal shock in sepsis. Cell Metabolism, 2021, 33, 1763-1776.e5.	7.2	28
53	MAPPIT: A protein interaction toolbox built on insights in cytokine receptor signaling. Cytokine and Growth Factor Reviews, 2011, 22, 321-329.	3.2	27
54	Adrenal hormones mediate disease tolerance in malaria. Nature Communications, 2018, 9, 4525.	5.8	27

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55	Improved Glucocorticoid Receptor Ligands: Fantastic Beasts, but How to Find Them?. Frontiers in Endocrinology, 2020, 11, 559673.	1.5	25
56	Compound A, a Selective Glucocorticoid Receptor Modulator, Enhances Heat Shock Protein Hsp70 Gene Promoter Activation. PLoS ONE, 2013, 8, e69115.	1.1	25
57	Proteome-scale Binary Interactomics in Human Cells. Molecular and Cellular Proteomics, 2016, 15, 3624-3639.	2.5	23
58	Interleukin-17 receptor A (IL-17RA) as a central regulator of the protective immune response against Giardia. Scientific Reports, 2017, 7, 8520.	1.6	23
59	Risks and benefits of corticosteroids in arthritic diseases in the clinic. Biochemical Pharmacology, 2019, 165, 112-125.	2.0	22
60	Latest perspectives on glucocorticoid-induced apoptosis and resistance in lymphoid malignancies. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188430.	3.3	22
61	Colon cancer-derived myofibroblasts increase endothelial cell migration by glucocorticoid-sensitive secretion of a pro-migratory factor. Vascular Pharmacology, 2017, 89, 19-30.	1.0	18
62	A screening assay for Selective Dimerizing Glucocorticoid Receptor Agonists and Modulators (SEDIGRAM) that are effective against acute inflammation. Scientific Reports, 2018, 8, 12894.	1.6	17
63	Co-Activation of Glucocorticoid Receptor and Peroxisome Proliferatorâ€“Activated Receptor-Î³ in Murine Skin Prevents Worsening of Atopic March. Journal of Investigative Dermatology, 2018, 138, 1360-1370.	0.3	16
64	Carboxylic Acid Bioisosteres in Medicinal Chemistry: Synthesis and Properties. Journal of Chemistry, 2022, 2022, 1-21.	0.9	16
65	Approaches towards tissueâ€selective pharmacology of the mineralocorticoid receptor. British Journal of Pharmacology, 2022, 179, 3235-3249.	2.7	14
66	Zinc inhibits lethal inflammatory shock by preventing microbeâ€induced interferon signature in intestinal epithelium. EMBO Molecular Medicine, 2020, 12, e11917.	3.3	14
67	TYK2-induced phosphorylation of Y640 suppresses STAT3 transcriptional activity. Scientific Reports, 2017, 7, 15919.	1.6	13
68	Glucocorticoids indirectly decrease colon cancer cell proliferation and invasion via effects on cancer-associated fibroblasts. Experimental Cell Research, 2018, 362, 332-342.	1.2	13
69	Coregulator profiling of the glucocorticoid receptor in lymphoid malignancies. Oncotarget, 2017, 8, 109675-109691.	0.8	13
70	Mechanisms Underlying the Functional Cooperation Between PPARÎ± and GRÎ± to Attenuate Inflammatory Responses. Frontiers in Immunology, 2019, 10, 1769.	2.2	12
71	Delayed development of the protective IL-17A response following a Giardia muris infection in neonatal mice. Scientific Reports, 2019, 9, 8959.	1.6	11
72	Selective Glucocorticoid Receptor Properties of GSK866 Analogs with Cysteine Reactive Warheads. Frontiers in Immunology, 2017, 8, 1324.	2.2	10

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73	Glucocorticoid Receptor-mediated transactivation is hampered by Striatin-3, a novel interaction partner of the receptor. Scientific Reports, 2017, 7, 8941.	1.6	9
74	Plasmodium berghei NK65 in Combination with IFN-Î³ Induces Endothelial Glucocorticoid Resistance via Sustained Activation of p38 and JNK. Frontiers in Immunology, 2017, 8, 1199.	2.2	9
75	Effect of combining glucocorticoids with Compound A on glucocorticoid receptor responsiveness in lymphoid malignancies. PLoS ONE, 2018, 13, e0197000.	1.1	9
76	Critical Roles of Endogenous Glucocorticoids for Disease Tolerance in Malaria. Trends in Parasitology, 2019, 35, 918-930.	1.5	8
77	The nature of the GRE influences the screening for GR-activity enhancing modulators. PLoS ONE, 2017, 12, e0181101.	1.1	8
78	Glucocorticoids limit lipopolysaccharideâ€induced lethal inflammation by a double control system. EMBO Reports, 2020, 21, e49762.	2.0	8
79	Differential Cytokine Profiles upon Comparing Selective versus Classic Glucocorticoid Receptor Modulation in Human Peripheral Blood Mononuclear Cells and Inferior Turbinate Tissue. PLoS ONE, 2015, 10, e0123068.	1.1	7
80	GR-independent down-modulation on GM-CSF bone marrow-derived dendritic cells by the selective glucocorticoid receptor modulator Compound A. Scientific Reports, 2016, 6, 36646.	1.6	7
81	Reprogramming of glucocorticoid receptor function by hypoxia. EMBO Reports, 2022, 23, e53083.	2.0	7
82	Novel assays monitoring direct glucocorticoid receptor protein activity exhibit high predictive power for ligand activity on endogenous gene targets. Biomedicine and Pharmacotherapy, 2022, 152, 113218.	2.5	7
83	Mitogen- and stress-activated protein kinase 1 MSK1 regulates glucocorticoid response element promoter activity in a glucocorticoid concentration-dependent manner. European Journal of Pharmacology, 2013, 715, 1-9.	1.7	6
84	Point mutation I634A in the glucocorticoid receptor causes embryonic lethality by reduced ligand binding. Journal of Biological Chemistry, 2022, 298, 101574.	1.6	6
85	Involvement of the Glucocorticoid Receptor in Pro-inflammatory Transcription Factor Inhibition by Daucane Esters fromLaserpitium zernyi. Journal of Natural Products, 2017, 80, 1505-1513.	1.5	5
86	Semi-synthetic sapogenin exerts neuroprotective effects by skewing the brain ischemia reperfusion transcriptome towards inflammatory resolution. Brain, Behavior, and Immunity, 2017, 64, 103-115.	2.0	2
87	Strategies and Compounds to Circumvent Glucocorticoid-Induced Side Effects. , 2018, , 283-305.		2
88	Hepatic glucocorticoidâ€induced transcriptional regulation is androgenâ€dependent after chronic but not acute glucocorticoid exposure. FASEB Journal, 2022, 36, e22251.	0.2	2
89	Daucane esters from laserwort (Laserpitium latifolium L.) inhibit cytokine and chemokine production in human lung epithelial cells. Phytomedicine, 2017, 26, 28-36.	2.3	1
90	ZBTB32 performs crosstalk with the glucocorticoid receptor and is crucial in glucocorticoid responses to starvation. IScience, 2021, 24, 102790.	1.9	1

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91	How the glucocorticoid receptor contributes to platinum-based therapy resistance in solid cancer. Nature Communications, 2021, 12, 4959.	5.8	1