List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	RORÎ ³ t drives production of the cytokine GM-CSF in helper T cells, which is essential for the effector phase of autoimmune neuroinflammation. Nature Immunology, 2011, 12, 560-567.	7.0	1,058
2	Astrocytes present myelin basic protein to encephalitogenic T-cell lines. Nature, 1984, 307, 273-276.	13.7	774
3	Conversion of Membrane-bound Fas(CD95) Ligand to Its Soluble Form Is Associated with Downregulation of Its Proapoptotic Activity and Loss of Liver Toxicity. Journal of Experimental Medicine, 1998, 187, 1205-1213.	4.2	743
4	On the cellular source and function of interleukin 6 produced in the central nervous system in viral diseases. European Journal of Immunology, 1989, 19, 689-694.	1.6	684
5	Increased Number of Islet-Associated Macrophages in Type 2 Diabetes. Diabetes, 2007, 56, 2356-2370.	0.3	644
6	Antigen presentation and tumor cytotoxicity by interferon-γ-treated microglial cells. European Journal of Immunology, 1987, 17, 1271-1278.	1.6	629
7	Murine brain macrophages induce NMDA receptor mediated neurotoxicity in vitro by secreting glutamate. Neuroscience Letters, 1991, 133, 159-162.	1.0	425
8	TNF-α suppresses the expression of clock genes by interfering with E-box-mediated transcription. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12843-12848.	3.3	361
9	IL-6-deficient mice resist myelin oligodendrocyte glycoprotein-induced autoimmune encephalomyelitis. European Journal of Immunology, 1998, 28, 2178-2187.	1.6	287
10	Mini-review: Specificity and expression of CIITA, the master regulator of MHC class II genes. European Journal of Immunology, 2004, 34, 1513-1525.	1.6	264
11	Human immunodeficiency virus type 1 (HIV-1) infection of the central nervous system: an evaluation of cytokines in cerebrospinal fluid. Journal of Neuroimmunology, 1989, 23, 109-116.	1.1	262
12	Macrophage-induced cytotoxicity of N-methyl-D-aspartate receptor positive neurons involves excitatory amino acids rather than reactive oxygen intermediates and cytokines. European Journal of Immunology, 1992, 22, 2429-2436.	1.6	261
13	Neuroinflammatory TNFα Impairs Memory via Astrocyte Signaling. Cell, 2015, 163, 1730-1741.	13.5	258
14	Local Fas/APO-1 (CD95) ligand-mediated tumor cell killingin vivo. European Journal of Immunology, 1995, 25, 2253-2258.	1.6	205
15	The NLRP3 Inflammasome Contributes to Brain Injury in Pneumococcal Meningitis and Is Activated through ATP-Dependent Lysosomal Cathepsin B Release. Journal of Immunology, 2011, 187, 5440-5451.	0.4	192
16	Severity of symptoms and demyelination in MOG-induced EAE depends on TNFR1. European Journal of Immunology, 1999, 29, 626-632.	1.6	191
17	Tumor Necrosis Factor \hat{I}_{\pm} and Lymphotoxin \hat{I}_{\pm} Are Not Required for Induction of Acute Experimental Autoimmune Encephalomyelitis. Journal of Experimental Medicine, 1997, 185, 2177-2182.	4.2	182
18	Mesenteric lymph nodes are critical for the induction of high-dose oral tolerance in the absence of Peyer's patches. European Journal of Immunology, 2002, 32, 1109-1113.	1.6	167

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19	Puromycin-sensitive Aminopeptidase. Journal of Biological Chemistry, 1995, 270, 26931-26939.	1.6	164
20	Immune-Mediated Encephalitis: On the Role of Antigen-Presenting Cells in Brain Tissue. Immunological Reviews, 1987, 100, 185-201.	2.8	161
21	Astrocytes and glioblastoma cells express novel octamer-DNA binding proteins distinct from the ubiquitous Oct-1 and B cell type Oct-2 proteins. Nucleic Acids Research, 1990, 18, 5495-5503.	6.5	160
22	Identification of a T cell chemotactic factor in the cerebrospinal fluid of HIV-1-infected individuals as interferon-Î ³ inducible protein 10. Journal of Neuroimmunology, 1999, 93, 172-181.	1.1	155
23	Experimental pneumococcal meningitis: Cerebrovascular alterations, brain edema, and meningeal inflammation are linked to the production of nitric oxide. Annals of Neurology, 1995, 37, 313-323.	2.8	148
24	Chemokines and chemotaxis of leukocytes in infectious meningitis. Journal of Neuroimmunology, 1998, 85, 33-43.	1.1	146
25	Mice with an inactivation of the inducible nitric oxide synthase gene are susceptible to experimental autoimmune encephalomyelitis. European Journal of Immunology, 1998, 28, 1332-1338.	1.6	145
26	TNF-α and IFN-Î ³ render microglia sensitive to Fas ligand-induced apoptosis by induction of Fas expression and down-regulation of Bcl-2 and Bcl-xL. European Journal of Immunology, 1998, 28, 4398-4408.	1.6	142
27	Maturation of Dendritic Cells Is Accompanied by Rapid Transcriptional Silencing of Class II Transactivator (Ciita) Expression. Journal of Experimental Medicine, 2001, 194, 379-392.	4.2	142
28	Interleukin-1 derived from astrocytes enhances slow wave activity in sleep EEG of the rat. European Journal of Pharmacology, 1984, 104, 191-192.	1.7	137
29	Interleukin-6–Deficient Mice Resist Development of Autoimmune Myocarditis Associated With Impaired Upregulation of Complement C3. Circulation, 2003, 107, 320-325.	1.6	135
30	Induction of oral tolerance to cellular immune responses in the absence of Peyer's patches. European Journal of Immunology, 2001, 31, 1278-1287.	1.6	133
31	FLIP switches Fas-mediated glucose signaling in human pancreatic cells from apoptosis to cell replication. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8236-8241.	3.3	133
32	The glioblastoma-derived T-cell suppressor factor/transforming growth factor beta2 inhibits the generation of lymphokineactivated killer (LAK) cells. International Journal of Cancer, 1988, 42, 562-567.	2.3	130
33	The glioblastoma-derived t cell suppressor factor/ transforming growth factor-β2 inhibits t cell growth without affecting the interaction of interleukin 2 with its receptor. European Journal of Immunology, 1988, 18, 593-600.	1.6	129
34	Transforming growth factor-β2 induces apoptosis of murine T cell clones without down-regulatingbcl-2 mRNA expression. European Journal of Immunology, 1994, 24, 1293-1300.	1.6	122
35	Biosynthesis and metabolism of pterins in peripheral blood mononuclear cells and leukemia lines of man and mouse. FEBS Journal, 1987, 166, 303-310.	0.2	121
36	MHC class Il–restricted antigen presentation by plasmacytoid dendritic cells inhibits T cell–mediated autoimmunity. Journal of Experimental Medicine, 2010, 207, 1891-1905.	4.2	119

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37	Selective Abrogation of Major Histocompatibility Complex Class II Expression on Extrahematopoietic Cells in Mice Lacking Promoter IV of the Class II Transactivator Gene. Journal of Experimental Medicine, 2001, 194, 393-406.	4.2	117
38	Chemotactic activity on mononuclear cells in the cerebrospinal fluid of patients with viral meningitis is mediated by interferon-γ inducible protein-10 and monocyte chemotactic protein-1. European Journal of Immunology, 1997, 27, 2484-2489.	1.6	114
39	Lack of IL-6 augments inflammatory response but decreases vascular permeability in bacterial meningitis. Brain, 2003, 126, 1873-1882.	3.7	112
40	Interleukin-16, produced by synovial fibroblasts, mediates chemoattraction for CD4+ T lymphocytes in rheumatoid arthritis. European Journal of Immunology, 1998, 28, 2661-2671.	1.6	108
41	Myelin oligodendrocyte glycoprotein-induced autoimmune encephalomyelitis is chronic/relapsing in perforin knockout mice, but monophasic in Fas- and Fas ligand-deficientlpr andgld mice. European Journal of Immunology, 1997, 27, 3151-3160.	1.6	105
42	Matrix metalloproteinases and tissue inhibitors of metalloproteinases in viral meningitis: upregulation of MMP-9 and TIMP-1 in cerebrospinal fluid. Journal of Neuroimmunology, 1998, 84, 143-150.	1.1	104
43	The brain as an immune privileged site: dendritic cells of the central nervous system inhibit T cell activation. European Journal of Immunology, 2003, 33, 2998-3006.	1.6	101
44	TGF? directs gene expression of activated microglia to an anti-inflammatory phenotype strongly focusing on chemokine genes and cell migratory genes. Glia, 2003, 44, 219-231.	2.5	100
45	TGF-?-treated microglia induce oligodendrocyte precursor cell chemotaxis through the HGF-c-Met pathway. European Journal of Immunology, 2005, 35, 727-737.	1.6	99
46	Hepatocyte-Derived Interleukin-6 and Tumor-Necrosis Factor alpha Mediate the Lipopolysaccharide-Induced Acute-Phase Response and Nitric Oxide Release by Cultured Rat Hepatocytes. FEBS Journal, 1995, 229, 349-355.	0.2	90
47	Narcolepsy: autoimmunity, effector T cell activation due to infection, or T cell independent, major histocompatibility complex class II induced neuronal loss?. Brain, 2010, 133, 1300-1311.	3.7	89
48	Immunochemotherapy of malignant glioma: synergistic activity of CD95 ligand and chemotherapeutics. Cancer Immunology, Immunotherapy, 1997, 44, 55-63.	2.0	88
49	Cancer cell sensitization to Fas-mediated apoptosis by sodium butyrate. Cell Death and Differentiation, 1998, 5, 480-487.	5.0	88
50	Endothelial Cell Barrier Impairment Induced by Glioblastomas and Transforming Growth Factor β ₂ Involves Matrix Metalloproteinases and Tight Junction Proteins. Journal of Neuropathology and Experimental Neurology, 2008, 67, 435-448.	0.9	88
51	Treatment of Experimental Glioma by Administration of Adenoviral Vectors Expressing Fas Ligand. Human Gene Therapy, 1999, 10, 1641-1648.	1.4	86
52	Production of macrophage colony-stimulating factor by astrocytes and brain macrophages. Journal of Neuroimmunology, 1992, 40, 189-195.	1.1	84
53	cDNA cloning of human N-Oct 3, a nervous-system specific POU domain transcription factor binding to the octamer DNA motif. Nucleic Acids Research, 1993, 21, 253-258.	6.5	83
54	Clock Gene Modulation by TNF-α Depends on Calcium and p38 MAP Kinase Signaling. Journal of Biological Rhythms, 2009, 24, 283-294.	1.4	83

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55	Glutamate uptake by astrocytes is inhibited by reactive oxygen intermediates but not by other macrophage-derived molecules including cytokines, leukotrienes or platelet-activating factor. Journal of Neuroimmunology, 1993, 48, 99-104.	1.1	81
56	TGF-β-Induced Apoptosis of Cerebellar Granule Neurons Is Prevented by Depolarization. Journal of Neuroscience, 1996, 16, 4174-4185.	1.7	80
57	Cytokine networks in multiple sclerosis: lost in translation. Current Opinion in Neurology, 2010, 23, 205-211.	1.8	79
58	Impairment of TNF-Receptor-1 Signaling but not Fas Signaling Diminishes T-Cell Apoptosis in Myelin Oligodendrocyte Glycoprotein Peptide-Induced Chronic Demyelinating Autoimmune Encephalomyelitis in Mice. American Journal of Pathology, 1999, 154, 1417-1422.	1.9	77
59	The Endothelin System in Human Glioblastoma. Laboratory Investigation, 2000, 80, 1681-1689.	1.7	76
60	Role of Caspase-1 in experimental pneumococcal meningitis: Evidence from pharmacologic Caspase inhibition and Caspase-1-deficient mice. Annals of Neurology, 2002, 51, 319-329.	2.8	76
61	Biological and biochemical characterization of an interleukin 1-like factor from rat C6 glioma cells. European Journal of Immunology, 1983, 13, 685-689.	1.6	75
62	Meningitis-Associated Central Nervous System Complications are Mediated by the Activation of Poly(ADP-ribose) Polymerase. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 39-49.	2.4	75
63	Topoisomerase-I inhibitors for human malignant glioma: Differential modulation of p53, p21, bax and bcl-2 expression and of CD95-mediated apoptosis by camptothecin and Î ² -Iapachone. , 1997, 73, 707-714.		73
64	Dendritic cells and differential usage of the MHC class II transactivator promoters in the central nervous system in experimental autoimmune encephalitis. European Journal of Immunology, 2000, 30, 794-802.	1.6	73
65	Induction of Colitis in Mice Deficient of Peyer's Patches and Mesenteric Lymph Nodes Is Associated with Increased Disease Severity and Formation of Colonic Lymphoid Patches. American Journal of Pathology, 2002, 161, 2273-2282.	1.9	73
66	Transient Production of TGF-β2by Postnatal Cerebellar Neurons and its Effect on Neuroblast Proliferation. European Journal of Neuroscience, 1994, 6, 766-778.	1.2	69
67	TGF-β induces the expression of the FLICE-inhibitory protein and inhibits Fas-mediated apoptosis of microglia. European Journal of Immunology, 2000, 30, 3680-3688.	1.6	68
68	Astrocytes as antigen-presenting cells. Part II: Unlike H-2K-dependent cytotoxic T cells, H-2Ia-restricted T cells are only stimulated in the presence of interferon-γ. Journal of Neuroimmunology, 1986, 12, 15-28.	1.1	66
69	Neurons induced to express major histocompatibility complex class I antigen are killed via the perforin and not the Fas (APO-1/CD95) pathway. European Journal of Immunology, 1996, 26, 2271-2274.	1.6	66
70	Immunobiology of Microglial Cells. Annals of the New York Academy of Sciences, 1988, 540, 218-227.	1.8	64
71	Tumor Necrosis Factor (TNF) Ligand and TNF Receptor Deficiency Affects Sleep and the Sleep EEG. Journal of Neurophysiology, 2002, 88, 839-846.	0.9	63
72	Transforming growth factor-beta bound to soluble derivatives of the beta amyloid precursor protein of Alzheimer's disease. Biochemical and Biophysical Research Communications, 1990, 171, 890-897.	1.0	61

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73	Immunological Aspects of Epilepsy. Epilepsia, 1980, 21, 451-457.	2.6	60
74	Apoptosis in Proliferative Vitreoretinal Disorders: Possible Involvement of TGF-β-induced RPE cell Apoptosis. Experimental Eye Research, 1997, 65, 365-378.	1.2	56
75	Depression in Autoimmune Diseases. Current Topics in Behavioral Neurosciences, 2016, 31, 139-154.	0.8	54
76	Effects of interferons and hydrogen peroxide on CA3 pyramidal cells in rat hippocampal slice cultures. Brain Research, 1993, 619, 157-162.	1.1	53
77	Human glioblastoma cell derived transforming growth factor-β2: evidence for secretion of both high and low molecular weight biologically active forms. Journal of Neuroimmunology, 1991, 34, 33-42.	1.1	45
78	REVIEW â— : Activation of Microglia: A Dangerous Interlude in Immune Function in the Brain. Neuroscientist, 1996, 2, 293-299.	2.6	45
79	Neurons and neuroblastoma as a source of macrophage colony-stimulating factor. European Journal of Immunology, 1992, 22, 2539-2545.	1.6	44
80	TGFÂ receptor II gene deletion in leucocytes prevents cerebral vasculitis in bacterial meningitis. Brain, 2006, 129, 2404-2415.	3.7	41
81	Murine Glia Cells in Culture Can be Stimulated to Generate Reactive Oxygen. Journal of Leukocyte Biology, 1987, 42, 463-473.	1.5	40
82	Induction of inhibitory central nervous system-derived and stimulatory blood-derived dendritic cells suggests a dual role for granulocyte-macrophage colony-stimulating factor in central nervous system inflammation. Brain, 2010, 133, 1637-1654.	3.7	39
83	Intracerebral Synthesis of Tumor Necrosis Factor-? and Interleukin-6 in Infectious Meningitis. Annals of the New York Academy of Sciences, 1990, 594, 326-335.	1.8	38
84	NG2 expressed by macrophages and oligodendrocyte precursor cells is dispensable in experimental autoimmune encephalomyelitis. Brain, 2011, 134, 1315-1330.	3.7	38
85	Siteâ€specific antiâ€ŧumor immunity: Differences in DC function, TGFâ€Î² production and numbers of intratumoral Foxp3 ⁺ Treg. European Journal of Immunology, 2009, 39, 1323-1333.	1.6	37
86	Expression of the HGF receptor câ€met by macrophages in experimental autoimmune encephalomyelitis. Glia, 2010, 58, 559-571.	2.5	36
87	Production of nitrite by primary rat astrocytes in response to pneumococci. Journal of Neuroimmunology, 1995, 60, 53-61.	1.1	34
88	T Cell Apoptosis Induced by Interleukin-2 Deprivation or Transforming Growth Factor-Î ² 2: Modulation by the Phosphatase Inhibitors Okadaic Acid and Calyculin A. Experimental Cell Research, 1995, 221, 395-403.	1.2	32
89	Ex vivo malignant glioma cells are sensitive to Fas (CD95/APO-1) ligand-mediated apoptosis. Journal of Neuroimmunology, 1998, 87, 105-113.	1.1	32
90	Interferon-Î ³ antagonizes transforming growth factor-Î ² 2-mediated immunosuppression in murine Toxoplasma encephalitis. Journal of Neuroimmunology, 1998, 81, 38-48.	1.1	31

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91	CD40-TNF activation in mice induces extended sickness behavior syndrome co-incident with but not dependent on activation of the kynurenine pathway. Brain, Behavior, and Immunity, 2015, 50, 125-140.	2.0	31
92	Cloning and Analysis of the Gene for the Human Puromycin-Sensitive Aminopeptidase. Biochemical and Biophysical Research Communications, 1999, 258, 234-240.	1.0	30
93	Differential activity of bcl-2 and ICE enzyme family protease inhibitors on Fas and puromycin-induced apoptosis of glioma cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1997, 1359, 174-180.	1.9	29
94	Differential effects of peripheral and brain tumor necrosis factor on inflammation, sickness, emotional behavior and memory in mice. Brain, Behavior, and Immunity, 2016, 58, 310-326.	2.0	29
95	Immune-Mediated Injury in Bacterial Meningitis. International Review of Experimental Pathology, 1993, 34 Pt B, 183-192.	0.2	28
96	CXCL11 is involved in leucocyte recruitment to the central nervous system in neuroborreliosis. Journal of Neurology, 2005, 252, 820-823.	1.8	26
97	Tumor Necrosis Factor and Transforming Growth Factor Î ² Regulate Clock Genes by Controlling the Expression of the Cold Inducible RNA-binding Protein (CIRBP). Journal of Biological Chemistry, 2014, 289, 2736-2744.	1.6	26
98	Role of I?B? and I?B? in the biphasic nuclear translocation of NF-?B in TNF?-stimulated astrocytes and in neuroblastoma cells. Glia, 1999, 26, 212-220.	2.5	25
99	Bacterial Meningitis: The Role of Transforming Growth Factor-Beta in Innate Immunity and Secondary Brain Damage. Neurodegenerative Diseases, 2007, 4, 43-50.	0.8	23
100	Expression of TGFâ€Î²2 in Human Glioblastoma: A Role in Resistance to Immune Rejection?. Novartis Foundation Symposium, 1991, 157, 232-241.	1.2	23
101	Lymphokines and the brain. Seminars in Immunopathology, 1984, 7, 375-86.	4.0	22
102	Primary Brain Tumors Differ in Their Expression of Octamer Deoxyribonucleic Acid-binding Transcription Factors from Long-Term Cultured Glioma Cell Lines. Neurosurgery, 1994, 34, 129-135.	0.6	22
103	TGFβ regulates persistent neuroinflammation by controlling Th1 polarization and ROS production via monocyteâ€derived dendritic cells. Glia, 2016, 64, 1925-1937.	2.5	22
104	Superantigen overcomes resistance of IL-6-deficient mice towards MOG-induced EAE by a TNFR1 controlled pathway. European Journal of Immunology, 2001, 31, 2302-2312.	1.6	21
105	Transforming growth factorâ€beta inhibits the expression of clock genes. Annals of the New York Academy of Sciences, 2012, 1261, 79-87.	1.8	21
106	Cytokine-induced sleep: Neurons respond to TNF with production of chemokines and increased expression of Homer1a in vitro. Brain, Behavior, and Immunity, 2015, 47, 186-192.	2.0	20
107	Immunoregulatory Factors Secreted by Astrocytes and Glioblastoma Cells. , 1987, , 91-121.		19
108	Maturation-dependent Modulation of Apoptosis in Cultured Cerebellar Granule Neurons by Cytokines and Neurotrophins. European Journal of Neuroscience, 1996, 8, 1994-2005.	1.2	17

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109	TNFR1 is essential for CD40, but not for lipopolysaccharide-induced sickness behavior and clock gene dysregulation. Brain, Behavior, and Immunity, 2011, 25, 434-442.	2.0	17
110	Involvement of the N-methyl-D-aspartate receptor in neuronal cell death induced by cytotoxic T cell-derived secretory granules. European Journal of Immunology, 1999, 29, 3053-3062.	1.6	16
111	THE ROLE OF ASTROCYTES IN THE INTERACTION BETWEEN THE IMMUNE AND NERVOUS SYSTEM. , 1986, , 203-229.		16
112	Primary Brain Tumors Differ in Their Expression of Octamer Deoxyribonucleic Acid-binding Transcription Factors from Long-Term Cultured Glioma Cell Lines. Neurosurgery, 1994, 34, 129-135.	0.6	16
113	CD40 activation induces NREM sleep and modulates genes associated with sleep homeostasis. Brain, Behavior, and Immunity, 2013, 27, 133-144.	2.0	12
114	N-Oct 5 is generated by in vitro proteolysis of the neural POU-domain protein N-Oct 3. Oncogene, 1997, 14, 1287-1294.	2.6	9
115	TNF-α and IFN-γ render microglia sensitive to Fas ligand-induced apoptosis by induction of Fas expression and down-regulation of Bcl-2 and Bcl-xL. European Journal of Immunology, 1998, 28, 4398-4408.	1.6	9
116	Neutralization of colony-stimulating factor 1 receptor prevents sickness behavior syndrome by reprogramming inflammatory monocytes to produce IL-10. Brain, Behavior, and Immunity, 2015, 48, 78-85.	2.0	8
117	Aberrant expression of PAR bZIP transcription factors is associated with epileptogenesis, focus on hepatic leukemia factor. Scientific Reports, 2020, 10, 3760.	1.6	8
118	Twist1 Is a TNF-Inducible Inhibitor of Clock Mediated Activation of Period Genes. PLoS ONE, 2015, 10, e0137229.	1.1	8
119	Protocol for a prospective, controlled, observational study to evaluate the influence of hypoxia on healthy volunteers and patients with inflammatory bowel disease: the Altitude IBD Study. BMJ Open, 2017, 7, e013477.	0.8	7
120	TNF induced inhibition of Cirbp expression depends on RelB NF- κ B signalling pathway. Biochemistry and Biophysics Reports, 2016, 5, 22-26.	0.7	5
121	Role of lκBα and lκBβ in the biphasic nuclear translocation of NFâ€ÎºB in TNFαâ€stimulated astrocytes and in neuroblastoma cells. Glia, 1999, 26, 212-220.	2.5	2
122	Severity of symptoms and demyelination in MOG-induced EAE depends on TNFR1. European Journal of Immunology, 1999, 29, 626-632.	1.6	2
123	Dendritic cells and differential usage of the MHC class II transactivator promoters in the central nervous system in experimental autoimmune encephalitis. European Journal of Immunology, 2000, 30, 794-802.	1.6	1
124	Narcolepsy: Autoimmunity or Secondary to Infection?. , 2011, , 19-26.		0

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