Francisco J Quintana

List of Publications by Year
in descending order

198	25,147	9775	73	7736	150
papers	citations		h-index		g-index

203	203	203	29390
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Control of Treg and TH17 cell differentiation by the aryl hydrocarbon receptor. Nature, 2008, 453, 65-71.	13.7	1,544
2	Reactive astrocyte nomenclature, definitions, and future directions. Nature Neuroscience, 2021, 24, 312-325.	7.1	1,098
3	Type I interferons and microbial metabolites of tryptophan modulate astrocyte activity and central nervous system inflammation via the aryl hydrocarbon receptor. Nature Medicine, 2016, 22, 586-597.	15.2	987
4	Induction and molecular signature of pathogenic TH17 cells. Nature Immunology, 2012, 13, 991-999.	7.0	980
5	Alterations of the human gut microbiome in multiple sclerosis. Nature Communications, 2016, 7, 12015.	5.8	957
6	Treg Cells Expressing the Coinhibitory Molecule TIGIT Selectively Inhibit Proinflammatory Th1 and Th17 Cell Responses. Immunity, 2014, 40, 569-581.	6.6	702
7	The aryl hydrocarbon receptor: an environmental sensor integrating immune responses in health and disease. Nature Reviews Immunology, 2019, 19, 184-197.	10.6	694
8	Microglial control of astrocytes in response to microbial metabolites. Nature, 2018, 557, 724-728.	13.7	693
9	The aryl hydrocarbon receptor interacts with c-Maf to promote the differentiation of type 1 regulatory T cells induced by IL-27. Nature Immunology, 2010, 11, 854-861.	7.0	651
10	Regulation of the Immune Response by the Aryl Hydrocarbon Receptor. Immunity, 2018, 48, 19-33.	6.6	596
11	Negative feedback control of neuronal activity by microglia. Nature, 2020, 586, 417-423.	13.7	520
12	Oral tolerance. Immunological Reviews, 2011, 241, 241-259.	2.8	488
13	Interleukin-10 Receptor Signaling in Innate Immune Cells Regulates Mucosal Immune Tolerance and Anti-Inflammatory Macrophage Function. Immunity, 2014, 40, 706-719.	6.6	455
14	Astrocyte Crosstalk in CNS Inflammation. Neuron, 2020, 108, 608-622.	3.8	423
15	Activation of the aryl hydrocarbon receptor induces human type 1 regulatory T cellâ€“like and Foxp3+ regulatory T cells. Nature Immunology, 2010, 11, 846-853.	7.0	407
16	Regulation of astrocyte activation by glycolipids drives chronic CNS inflammation. Nature Medicine, 2014, 20, 1147-1156.	15.2	380
17	Metabolic control of type 1 regulatory T cell differentiation by AHR and HIF1-Î±. Nature Medicine, 2015, 21, 638-646.	15.2	374
18	An endogenous aryl hydrocarbon receptor ligand acts on dendritic cells and T cells to suppress experimental autoimmune encephalomyelitis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20768-20773.	3.3	367

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19	Digestion of Chromatin in Apoptotic Cell Microparticles Prevents Autoimmunity. Cell, 2016, 166, 88-101.	13.5	340
20	Control of tumor-associated macrophages and T cells in glioblastoma via AHR and CD39. Nature Neuroscience, 2019, 22, 729-740.	7.1	327
21	IL-27 acts on DCs to suppress the T cell response and autoimmunity by inducing expression of the immunoregulatory molecule CD39. Nature Immunology, 2013, 14, 1054-1063.	7.0	294
22	MAFG-driven astrocytes promote CNS inflammation. Nature, 2020, 578, 593-599.	13.7	282
23	Aryl Hydrocarbon Receptor Control of Adaptive Immunity. Pharmacological Reviews, 2013, 65, 1148-1161.	7.1	267
24	The Role of Astrocytes in CNS Inflammation. Trends in Immunology, 2020, 41, 805-819.	2.9	266
25	Nanoparticle-mediated codelivery of myelin antigen and a tolerogenic small molecule suppresses experimental autoimmune encephalomyelitis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11270-11275.	3.3	264
26	Angiogenesis-Inflammation Cross-Talk: Vascular Endothelial Growth Factor Is Secreted by Activated T Cells and Induces Th1 Polarization. Journal of Immunology, 2004, 172, 4618-4623.	0.4	253
27	Melatonin Contributes to the Seasonality of Multiple Sclerosis Relapses. Cell, 2015, 162, 1338-1352.	13.5	249
28	Tim-3/Galectin-9 Pathway: Regulation of Th1 Immunity through Promotion of CD11b+Ly-6G+ Myeloid Cells. Journal of Immunology, 2010, 185, 1383-1392.	0.4	243
29	Heat Shock Proteins as Endogenous Adjuvants in Sterile and Septic Inflammation. Journal of Immunology, 2005, 175, 2777-2782.	0.4	234
30	Antigen microarrays identify unique serum autoantibody signatures in clinical and pathologic subtypes of multiple sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18889-18894.	3.3	231
31	Microglia and Central Nervous Systemâ€“Associated Macrophagesâ€”From Origin to Disease Modulation. Annual Review of Immunology, 2021, 39, 251-277.	9.5	228
32	Aiolos promotes TH17 differentiation by directly silencing Il2 expression. Nature Immunology, 2012, 13, 770-777.	7.0	222
33	Sodium intake is associated with increased disease activity in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 26-31.	0.9	217
34	Circulating MicroRNAs as biomarkers for disease staging in multiple sclerosis. Annals of Neurology, 2013, 73, 729-740.	2.8	214
35	Newborn humans manifest autoantibodies to defined self molecules detected by antigen microarray informatics. Journal of Clinical Investigation, 2007, 117, 712-718.	3.9	204
36	Reversal of axonal loss and disability in a mouse model of progressive multiple sclerosis. Journal of Clinical Investigation, 2008, 118, 1532-1543.	3.9	193

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37	Toll-like receptor 2 and poly(ADP-ribose) polymerase 1 promote central nervous system neuroinflammation in progressive EAE. Nature Immunology, 2009, 10, 958-964.	7.0	183
38	Gut-licensed IFNÎ³+ NK cells drive LAMP1+TRAIL+ anti-inflammatory astrocytes. Nature, 2021, 590, 473-479.	13.7	178
39	Tolerogenic nanoparticles inhibit T cellâ€“mediated autoimmunity through SOCS2. Science Signaling, 2016, 9, ra61.	1.6	165
40	T and B cell hyperactivity and autoimmunity associated with niche-specific defects in apoptotic body clearance in TIM-4-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8706-8711.	3.3	163
41	The HSP60 immune system network. Trends in Immunology, 2011, 32, 89-95.	2.9	161
42	Function and therapeutic value of astrocytes in neurological diseases. Nature Reviews Drug Discovery, 2022, 21, 339-358.	21.5	160
43	The innate immune system in demyelinating disease. Immunological Reviews, 2012, 248, 170-187.	2.8	157
44	Regulation of the T Cell Response by CD39. Trends in Immunology, 2016, 37, 427-439.	2.9	157
45	Interleukin 1Î² Mediates Intestinal Inflammation in Mice and Patients With Interleukin 10 Receptor Deficiency. Gastroenterology, 2016, 151, 1100-1104.	0.6	156
46	Sphingosine 1-phosphate receptor modulation suppresses pathogenic astrocyte activation and chronic progressive CNS inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2012-2017.	3.3	156
47	Control of autoimmune CNS inflammation by astrocytes. Seminars in Immunopathology, 2015, 37, 625-638.	2.8	152
48	Environmental Control of Astrocyte Pathogenic Activities in CNS Inflammation. Cell, 2019, 176, 581-596.e18.	13.5	150
49	AHR Activation Is Protective against Colitis Driven by T Cells in Humanized Mice. Cell Reports, 2016, 17, 1318-1329.	2.9	147
50	Functional immunomics: Microarray analysis of IgG autoantibody repertoires predicts the future response of mice to induced diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14615-14621.	3.3	146
51	Vaccination with Empty Plasmid DNA or CpG Oligonucleotide Inhibits Diabetes in Nonobese Diabetic Mice: Modulation of Spontaneous 60-kDa Heat Shock Protein Autoimmunity. Journal of Immunology, 2000, 165, 6148-6155.	0.4	145
52	IFNÎ³-Dependent Tissue-Immune Homeostasis Is Co-opted in the Tumor Microenvironment. Cell, 2017, 170, 127-141.e15.	13.5	140
53	Tolerogenic dendritic cells. Seminars in Immunopathology, 2017, 39, 113-120.	2.8	139
54	Examining Effects of Anticipated Stigma, Centrality, Salience, Internalization, and Outness on Psychological Distress for People with Concealable Stigmatized Identities. PLoS ONE, 2014, 9, e96977.	1.1	137

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55	IL-21 induces IL-22 production in CD4+ T cells. Nature Communications, 2014, 5, 3753.	5.8	134
56	Nasal Anti-CD3 Antibody Ameliorates Lupus by Inducing an IL-10-Secreting CD4+CD25â^'LAP+ Regulatory T Cell and Is Associated with Down-Regulation of IL-17+CD4+ICOS+CXCR5+ Follicular Helper T Cells. Journal of Immunology, 2008, 181, 6038-6050.	0.4	127
57	Barcoded viral tracing of single-cell interactions in central nervous system inflammation. Science, 2021, 372, .	6.0	127
58	Defect in regulatory B-cell function and development of systemic autoimmunity in T-cell Ig mucin 1 (Tim-1) mucin domain-mutant mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12105-12110.	3.3	125
59	Self-tunable engineered yeast probiotics for the treatment of inflammatory bowel disease. Nature Medicine, 2021, 27, 1212-1222.	15.2	124
60	Metabolic Control of Astrocyte Pathogenic Activity via cPLA2-MAVS. Cell, 2019, 179, 1483-1498.e22.	13.5	120
61	Tryptophan metabolism drives dynamic immunosuppressive myeloid states in IDH-mutant gliomas. Nature Cancer, 2021, 2, 723-740.	5.7	110
62	Inhibition of Adjuvant Arthritis by a DNA Vaccine Encoding Human Heat Shock Protein 60. Journal of Immunology, 2002, 169, 3422-3428.	0.4	99
63	The Immune Response in Multiple Sclerosis. Annual Review of Pathology: Mechanisms of Disease, 2022, 17, 121-139.	9.6	96
64	The aryl hydrocarbon receptor: a molecular pathway for the environmental control of the immune response. Immunology, 2013, 138, 183-189.	2.0	94
65	Repositioning TH cell polarization from single cytokines to complex help. Nature Immunology, 2021, 22, 1210-1217.	7.0	91
66	Cutting Edge: Human Latency-Associated Peptide+ T Cells: A Novel Regulatory T Cell Subset. Journal of Immunology, 2010, 184, 4620-4624.	0.4	89
67	Leptin deficiency impairs maturation of dendritic cells and enhances induction of regulatory <scp>T</scp> and <scp>T</scp>h17 cells. European Journal of Immunology, 2014, 44, 794-806.	1.6	89
68	Role of AHR and HIF-1Î± in Glioblastoma Metabolism. Trends in Endocrinology and Metabolism, 2017, 28, 428-436.	3.1	89
69	In Vivo Induction of Tr1 Cells via Mucosal Dendritic Cells and AHR Signaling. PLoS ONE, 2011, 6, e23618.	1.1	89
70	Organization of the autoantibody repertoire in healthy newborns and adults revealed by system level informatics of antigen microarray data. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14484-14489.	3.3	87
71	IL-10-dependent Tr1 cells attenuate astrocyte activation and ameliorate chronic central nervous system inflammation. Brain, 2016, 139, 1939-1957.	3.7	87
72	DNA Fragments of the Human 60-kDa Heat Shock Protein (HSP60) Vaccinate Against Adjuvant Arthritis: Identification of a Regulatory HSP60 Peptide. Journal of Immunology, 2003, 171, 3533-3541.	0.4	86

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73	Adaptive Autoimmunity and Foxp3-Based Immunoregulation in Zebrafish. PLoS ONE, 2010, 5, e9478.	1.1	83
74	Glial and myeloid heterogeneity in the brain tumour microenvironment. Nature Reviews Cancer, 2021, 21, 786-802.	12.8	83
75	Control of immune-mediated pathology via the aryl hydrocarbon receptor. Journal of Biological Chemistry, 2017, 292, 12383-12389.	1.6	76
76	Inhibition of adjuvant-induced arthritis by DNA vaccination with the 70-kd or the 90-kd human heat-shock protein: Immune cross-regulation with the 60-kd heat-shock protein. Arthritis and Rheumatism, 2004, 50, 3712-3720.	6.7	75
77	Ectopic PDX-1 expression in liver ameliorates type 1 diabetes. Journal of Autoimmunity, 2007, 28, 134-142.	3.0	72
78	Say â€œadiosâ€•to the American dream? The interplay between ethnic and national identity among Latino and Caucasian Americans.. Cultural Diversity and Ethnic Minority Psychology, 2010, 16, 37-49.	1.3	71
79	DNA Vaccination with Heat Shock Protein 60 Inhibits Cyclophosphamide-Accelerated Diabetes. Journal of Immunology, 2002, 169, 6030-6035.	0.4	69
80	Oral Administration of OKT3 Monoclonal Antibody to Human Subjects Induces a Dose-Dependent Immunologic Effect in T Cells and Dendritic Cells. Journal of Clinical Immunology, 2010, 30, 167-177.	2.0	69
81	Regulation of Astrocyte Functions in Multiple Sclerosis. Cold Spring Harbor Perspectives in Medicine, 2019, 9, a029009.	2.9	69
82	System-wide Analysis of the T Cell Response. Cell Reports, 2016, 14, 2733-2744.	2.9	67
83	Bilirubin suppresses Th17 immunity in colitis by upregulating CD39. JCI Insight, 2017, 2, .	2.3	67
84	Immunological Relevance of the Coevolution of IDO1 and AHR. Frontiers in Immunology, 2014, 5, 521.	2.2	66
85	The Gutâ€“CNS Axis in Multiple Sclerosis. Trends in Neurosciences, 2020, 43, 622-634.	4.2	64
86	Role of sphingolipid metabolism in neurodegeneration. Journal of Neurochemistry, 2021, 158, 25-35.	2.1	63
87	The natural autoantibody repertoire and autoimmune disease. Biomedicine and Pharmacotherapy, 2004, 58, 276-281.	2.5	61
88	The aryl hydrocarbon receptor and the gutâ€“brain axis. Cellular and Molecular Immunology, 2021, 18, 259-268.	4.8	61
89	Tolerogenic nanoparticles suppress central nervous system inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32017-32028.	3.3	60
90	HIV-1 fusion peptide targets the TCR and inhibits antigen-specific T cell activation. Journal of Clinical Investigation, 2005, 115, 2149-2158.	3.9	60

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91	Norepinephrine Controls Effector T Cell Differentiation through Î²2-Adrenergic Receptorâ€“Mediated Inhibition of NF-ÎºB and AP-1 in Dendritic Cells. Journal of Immunology, 2016, 196, 637-644.	0.4	59
92	Epitope spreading as an early pathogenic event in pediatric multiple sclerosis. Neurology, 2014, 83, 2219-2226.	1.5	58
93	Tregs in T cell vaccination: exploring the regulation of regulation. Journal of Clinical Investigation, 2004, 114, 1227-1232.	3.9	58
94	AHR is a Zika virus host factor and a candidate target for antiviral therapy. Nature Neuroscience, 2020, 23, 939-951.	7.1	57
95	Chi3l3 induces oligodendrogenesis in an experimental model of autoimmune neuroinflammation. Nature Communications, 2019, 10, 217.	5.8	56
96	Characterization of Human CD39+ Th17 Cells with Suppressor Activity and Modulation in Inflammatory Bowel Disease. PLoS ONE, 2014, 9, e87956.	1.1	54
97	Cluster analysis of human autoantibody reactivities in health and in type 1 diabetes mellitus: a bio-informatic approach to immune complexity. Journal of Autoimmunity, 2003, 21, 65-75.	3.0	50
98	Functional immune cellâ€“astrocyte interactions. Journal of Experimental Medicine, 2021, 218, .	4.2	49
99	Astrocytes to the rescue! Glia limitans astrocytic endfeet control CNS inflammation. Journal of Clinical Investigation, 2017, 127, 2897-2899.	3.9	45
100	Acceleration of Autoimmune Diabetes by Cyclophosphamide is Associated with an Enhanced IFN-Î³ Secretion Pathway. Journal of Autoimmunity, 1999, 13, 383-392.	3.0	44
101	Lipids and lipid-reactive antibodies as biomarkers for multiple sclerosis. Journal of Neuroimmunology, 2012, 248, 53-57.	1.1	43
102	Environmental control of autoimmune inflammation in the central nervous system. Current Opinion in Immunology, 2016, 43, 46-53.	2.4	43
103	The Sympathetic Nervous System Mitigates CNS Autoimmunity via Î²2-Adrenergic Receptor Signaling in Immune Cells. Cell Reports, 2019, 28, 3120-3130.e5.	2.9	43
104	Tâ€Cell inactivation and immunosuppressive activity induced by HIV gp41 via novel interacting motif. FASEB Journal, 2007, 21, 393-401.	0.2	40
105	Epigenetic control of early neurodegenerative events in diabetic retinopathy by the histone deacetylase <scp>SIRT</scp>6. Journal of Neurochemistry, 2018, 144, 128-138.	2.1	40
106	Autoantibody Patterns in Diabetes-prone NOD Mice and in Standard C57BL/6 Mice. Journal of Autoimmunity, 2001, 17, 191-197.	3.0	39
107	Dâ€enantiomer peptide of the TCRa transmembrane domain inhibits Tâ€cell activation in vitro and in vivo. FASEB Journal, 2005, 19, 1190-1192.	0.2	39
108	Peptide p277 of HSP60 signals T cells: inhibition of inflammatory chemotaxis. International Immunology, 2006, 18, 1413-1419.	1.8	39

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109	AHR signaling is induced by infection with coronaviruses. Nature Communications, 2021, 12, 5148.	5.8	38
110	Autoimmune Encephalomyelitis and Uveitis Induced by T Cell Immunity to Self Î²-Synuclein. Journal of Immunology, 2003, 170, 628-634.	0.4	37
111	Dynamic regulation of serum aryl hydrocarbon receptor agonists in MS. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e359.	3.1	37
112	NAP, a Peptide Derived from the Activity-Dependent Neuroprotective Protein, Modulates Macrophage Function. Annals of the New York Academy of Sciences, 2006, 1070, 500-506.	1.8	36
113	A Systems Immunology Approach to the Host-Tumor Interaction: Large-Scale Patterns of Natural Autoantibodies Distinguish Healthy and Tumor-Bearing Mice. PLoS ONE, 2009, 4, e6053.	1.1	36
114	Evaluation of circulating osteopontin levels in an unselected cohort of patients with multiple sclerosis: relevance for biomarker development. Multiple Sclerosis Journal, 2014, 20, 438-444.	1.4	36
115	Antiâ€inflammatory effects of melatonin in multiple sclerosis. BioEssays, 2016, 38, 1016-1026.	1.2	36
116	HIF-1Î±-induced xenobiotic transporters promote Th17 responses in Crohn's disease. Journal of Autoimmunity, 2018, 94, 122-133.	3.0	36
117	Serum lipid antibodies are associated with cerebral tissue damage in multiple sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e200.	3.1	35
118	Checkpoint Receptor TIGIT Expressed on Tim-1+ B Cells Regulates Tissue Inflammation. Cell Reports, 2020, 32, 107892.	2.9	35
119	Network Theory Analysis of Antibody-Antigen Reactivity Data: The Immune Trees at Birth and Adulthood. PLoS ONE, 2011, 6, e17445.	1.1	35
120	Tregs in T cell vaccination: exploring the regulation of regulation. Journal of Clinical Investigation, 2004, 114, 1227-1232.	3.9	34
121	HSP60 as a Target of Anti-Ergotypic Regulatory T Cells. PLoS ONE, 2008, 3, e4026.	1.1	34
122	Fatal autoimmunity in mice reconstituted with human hematopoietic stem cells encoding defective FOXP3. Blood, 2015, 125, 3886-3895.	0.6	33
123	The â€˜Omicsâ€™ of Amyotrophic Lateral Sclerosis. Trends in Molecular Medicine, 2016, 22, 53-67.	3.5	33
124	DNA vaccination with CD25 protects rats from adjuvant arthritis and induces an antiergotypic response. Journal of Clinical Investigation, 2004, 113, 924-932.	3.9	33
125	The aryl hydrocarbon receptor suppresses immunity to oral squamous cell carcinoma through immune checkpoint regulation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	32
126	Induction of IgG3 to LPS via Toll-Like Receptor 4 Co-Stimulation. PLoS ONE, 2008, 3, e3509.	1.1	31

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127	Purinergic Signaling as a Regulator of Th17 Cell Plasticity. PLoS ONE, 2016, 11, e0157889.	1.1	30
128	Placental immunomodulator ferritin, a novel immunoregulator, suppresses experimental arthritis. Arthritis and Rheumatism, 2003, 48, 846-853.	6.7	29
129	Role of Aryl Hydrocarbon Receptor (AhR) in the Regulation of Immunity and Immunopathology During Trypanosoma cruzi Infection. Frontiers in Immunology, 2019, 10, 631.	2.2	28
130	MRI phenotypes in MS. Neurology: Neuroimmunology and NeuroInflammation, 2019, 6, e530.	3.1	28
131	Antigen Microarrays for the Study of Autoimmune Diseases. Clinical Chemistry, 2013, 59, 1036-1044.	1.5	27
132	Glial Cells as Regulators of Neuroimmune Interactions in the Central Nervous System. Journal of Immunology, 2020, 204, 251-255.	0.4	27
133	Activated Human CD4+CD45RO+ Memory T-Cells Indirectly Inhibit NLRP3 Inflammasome Activation through Downregulation of P2X7R Signalling. PLoS ONE, 2012, 7, e39576.	1.1	27
134	DICAM promotes T _H 17 lymphocyte trafficking across the blood-brain barrier during autoimmune neuroinflammation. Science Translational Medicine, 2022, 14, eabj0473.	5.8	27
135	Old dog, new tricks: IL-6 cluster signaling promotes pathogenic TH17 cell differentiation. Nature Immunology, 2017, 18, 8-10.	7.0	26
136	A Structurally Altered d,l-Amino Acid TCRÎ± Transmembrane Peptide Interacts with the TCRÎ± and Inhibits T-Cell Activation in Vitro and in an Animal Model. Biochemistry, 2007, 46, 2317-2325.	1.2	25
137	Overexpression of the CTLA-4 Isoform Lacking Exons 2 and 3 Causes Autoimmunity. Journal of Immunology, 2012, 188, 155-162.	0.4	25
138	Regulation of central nervous system autoimmunity by the aryl hydrocarbon receptor. Seminars in Immunopathology, 2013, 35, 627-635.	2.8	25
139	Detection of aryl hydrocarbon receptor agonists in human samples. Scientific Reports, 2018, 8, 4970.	1.6	24
140	Knock-out of the histidine decarboxylase gene modifies the repertoire of natural autoantibodies. Journal of Autoimmunity, 2004, 22, 297-305.	3.0	23
141	Aryl Hydrocarbon Receptor Activation in Astrocytes by Laquinimod Ameliorates Autoimmune Inflammation in the CNS. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	3.1	23
142	SARS-CoV-2-induced lung pathology: AHR as a candidate therapeutic target. Cell Research, 2021, 31, 1-2.	5.7	22
143	Activin-A limits Th17 pathogenicity and autoimmune neuroinflammation via CD39 and CD73 ectonucleotidases and Hif1-Î±â€“dependent pathways. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12269-12280.	3.3	21
144	Systems biology approaches for the study of multiple sclerosis. Journal of Cellular and Molecular Medicine, 2008, 12, 1087-1093.	1.6	20

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145	Environmental control of Th17 differentiation. European Journal of Immunology, 2009, 39, 655-657.	1.6	20
146	Binding Mode and Structureâ€“Activity Relationships of ITE as an Aryl Hydrocarbon Receptor (AhR) Agonist. ChemMedChem, 2018, 13, 270-279.	1.6	20
147	Precision Medicine in Multiple Sclerosis: Future of PET Imaging of Inflammation and Reactive Astrocytes. Frontiers in Molecular Neuroscience, 2016, 9, 85.	1.4	19
148	Therapeutic induction of tolerogenic dendritic cells via aryl hydrocarbon receptor signaling. Current Opinion in Immunology, 2021, 70, 33-39.	2.4	19
149	Toll-like receptor stimulation differentially regulates vasoactive intestinal peptide type 2 receptor in macrophages. Journal of Cellular and Molecular Medicine, 2009, 13, 3209-3217.	1.6	18
150	Role of AHR in the control of GBM-associated myeloid cells. Seminars in Cancer Biology, 2020, 64, 13-18.	4.3	18
151	DNA vaccines coding for heat-shock proteins (HSPs): tools for the activation of HSP-specific regulatory T cells. Expert Opinion on Biological Therapy, 2005, 5, 545-554.	1.4	16
152	Mucosal administration of CD3-specific monoclonal antibody inhibits diabetes in NOD mice and in a preclinical mouse model transgenic for the CD3 epsilon chain. Journal of Autoimmunity, 2017, 76, 115-122.	3.0	16
153	Effects of Systolic Blood Pressure on Brain Integrity in Multiple Sclerosis. Frontiers in Neurology, 2018, 9, 487.	1.1	15
154	DNA vaccination with CD25 protects rats from adjuvant arthritis and induces an antiergotypic response. Journal of Clinical Investigation, 2004, 113, 924-932.	3.9	15
155	Anti-ergotypic T cells in naÃ¯ve rats. Journal of Autoimmunity, 2005, 24, 191-201.	3.0	14
156	HSP60 Speaks to the Immune System in Many Voices. Novartis Foundation Symposium, 2008, 291, 101-114.	1.2	14
157	Aryl Hydrocarbon Receptor Plasma Agonist Activity Correlates With Disease Activity in Progressive MS. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	3.1	14
158	T Follicular Regulatory Cellâ€“Derived Fibrinogen-like Protein 2 Regulates Production of Autoantibodies and Induction of Systemic Autoimmunity. Journal of Immunology, 2020, 205, 3247-3262.	0.4	13
159	Regulatory T cells and immune computation. European Journal of Immunology, 2008, 38, 903-907.	1.6	12
160	Nanoparticles for the induction of antigen-specific Tregs. Immunotherapy, 2013, 5, 437-440.	1.0	12
161	Role of astrocytes and microglia in central nervous system inflammation. Seminars in Immunopathology, 2015, 37, 575-576.	2.8	12
162	Sample size requirements for one-year treatment effects using deep gray matter volume from 3T MRI in progressive forms of multiple sclerosis. International Journal of Neuroscience, 2017, 127, 971-980.	0.8	12

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163	The Aryl Hydrocarbon Receptorâ€“Dependent TGF-Î±/VEGF-B Ratio Correlates With Disease Subtype and Prognosis in Multiple Sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	3.1	12
164	Glioblastoma scRNA-seq shows treatment-induced, immune-dependent increase in mesenchymal cancer cells and structural variants in distal neural stem cells. Neuro-Oncology, 2022, 24, 1494-1508.	0.6	11
165	Experimental autoimmune myasthenia gravis in naive non-obese diabetic (NOD/LtJ) mice: susceptibility associated with natural IgG antibodies to the acetylcholine receptor. International Immunology, 2003, 15, 11-16.	1.8	10
166	Understanding natural and pathological autoimmunity. Journal of Neuroimmunology, 2006, 174, 1-2.	1.1	10
167	LeA(H)Rning self-control. Cell Research, 2014, 24, 1155-1156.	5.7	10
168	Imaging-AMARETTO: An Imaging Genomics Software Tool to Interrogate Multiomics Networks for Relevance to Radiography and Histopathology Imaging Biomarkers of Clinical Outcomes. JCO Clinical Cancer Informatics, 2020, 4, 421-435.	1.0	10
169	Serum antibodies to phosphatidylcholine in MS. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, e765.	3.1	10
170	Targeted Single-Cell RNA and DNA Sequencing With Fluorescence-Activated Droplet Merger. Analytical Chemistry, 2020, 92, 14616-14623.	3.2	9
171	<scp>DNA</scp> Vaccination With Hsp70 Protects Against Systemic Lupus Erythematosus in (<scp>NZB</scp> Ã— <scp>NZW</scp>)F1 Mice. Arthritis and Rheumatology, 2020, 72, 997-1002.	2.9	9
172	Intranasal delivery of a small-molecule ErbB inhibitor promotes recovery from acute and late-stage CNS inflammation. JCI Insight, 2022, 7, .	2.3	9
173	Myeloid cells in the central nervous system: So similar, yet so different. Science Immunology, 2019, 4, .	5.6	8
174	The NLRP3 inflammasome in progressive multiple sclerosis. Brain, 2020, 143, 1286-1288.	3.7	8
175	A cell-based drug delivery platform for treating central nervous system inflammation. Journal of Molecular Medicine, 2021, 99, 663-671.	1.7	8
176	Heat Shock Proteins Regulate Inflammation by Both Molecular and Network Cross-Reactivity. , 2005, , 263-287.		5
177	A gut feeling about multiple sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10528-10529.	3.3	5
178	Dendritic cells in autoimmunity, infections, and cancer. Seminars in Immunopathology, 2017, 39, 97-98.	2.8	4
179	Astrocytes play a crucial role in the formation and evolution of MS lesions â€“ Commentary. Multiple Sclerosis Journal, 2019, 25, 19-20.	1.4	4
180	Protocol for in vitro analysis of pro-inflammatory and metabolic functions of cultured primary murine astrocytes. STAR Protocols, 2022, 3, 101033.	0.5	4

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