Rita Carsetti

List of Publications by Year
in descending order

129 papers	9,688 citations	50276 46 h-index	38395 95 g-index
131 all docs	131 docs citations	131 times ranked	12785 citing authors

#	Article	IF	Citations
1	B Cell Development in the Spleen Takes Place in Discrete Steps and Is Determined by the Quality of B Cell Receptorâ€“Derived Signals. Journal of Experimental Medicine, 1999, 190, 75-90.	8.5	736
2	Heterosubtypic Neutralizing Monoclonal Antibodies Cross-Protective against H5N1 and H1N1 Recovered from Human IgM+ Memory B Cells. PLoS ONE, 2008, 3, e3942.	2.5	676
3	Human Immunoglobulin M Memory B Cells Controlling Streptococcus pneumoniae Infections Are Generated in the Spleen. Journal of Experimental Medicine, 2003, 197, 939-945.	8.5	578
4	Post-splenectomy and hyposplenic states. Lancet, The, 2011, 378, 86-97.	13.7	521
5	CD22 is a negative regulator of B-cell receptor signalling. Current Biology, 1997, 7, 133-143.	3.9	420
6	Peripheral development of B cells in mouse and man. Immunological Reviews, 2004, 197, 179-191.	6.0	412
7	HLA-haploidentical stem cell transplantation after removal of Î±Î²+ T and B cells in children with nonmalignant disorders. Blood, 2014, 124, 822-826.	1.4	385
8	Transitional B cells are the target of negative selection in the B cell compartment.. Journal of Experimental Medicine, 1995, 181, 2129-2140.	8.5	350
9	B-1a B Cells that Link the Innate and Adaptive Immune Responses Are Lacking in the Absence of the Spleen. Journal of Experimental Medicine, 2002, 195, 771-780.	8.5	226
10	The loss of IgM memory B cells correlates with clinical disease in common variable immunodeficiency. Journal of Allergy and Clinical Immunology, 2005, 115, 412-417.	2.9	213
11	CpG Drives Human Transitional B Cells to Terminal Differentiation and Production of Natural Antibodies. Journal of Immunology, 2008, 180, 800-808.	0.8	209
12	B Cell Reconstitution after Rituximab Treatment in Idiopathic Nephrotic Syndrome. Journal of the American Society of Nephrology: JASN, 2016, 27, 1811-1822.	6.1	174
13	CXCL13, CCL21, and CXCL12 Expression in Salivary Glands of Patients with Sjoˆgrenâ€™s Syndrome and MALT Lymphoma: Association with Reactive and Malignant Areas of Lymphoid Organization. Journal of Immunology, 2008, 180, 5130-5140.	0.8	172
14	The Immunological Effects of Extracorporeal Photopheresis Unraveled: Induction of Tolerogenic Dendritic Cells In Vitro and Regulatory T Cells In Vivo. Transplantation, 2005, 79, 846-850.	1.0	163
15	Pivotal Advance: Inhibition of MyD88 dimerization and recruitment of IRAK1 and IRAK4 by a novel peptidomimetic compound. Journal of Leukocyte Biology, 2007, 82, 801-810.	3.3	162
16	Development and function of the mammalian spleen. BioEssays, 2007, 29, 166-177.	2.5	152
17	Different Innate and Adaptive Immune Responses to SARS-CoV-2 Infection of Asymptomatic, Mild, and Severe Cases. Frontiers in Immunology, 2020, 11, 610300.	4.8	149
18	A novel disorder involving dyshematopoiesis, inflammation, and HLH due to aberrant CDC42 function. Journal of Experimental Medicine, 2019, 216, 2778-2799.	8.5	132

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19	The immune system of children: the key to understanding SARS-CoV-2 susceptibility?. The Lancet Child and Adolescent Health, 2020, 4, 414-416.	5.6	132
20	Inhibition of B-Cell Proliferation and Antibody Production by Mesenchymal Stromal Cells Is Mediated by T Cells. Stem Cells and Development, 2015, 24, 93-103.	2.1	128
21	Microvescicles Derived from Mesenchymal Stromal Cells Are Not as Effective as Their Cellular Counterpart in the Ability to Modulate Immune Responses In Vitro. Stem Cells and Development, 2014, 23, 2591-2599.	2.1	122
22	Why do we need IgM memory B cells?. Immunology Letters, 2013, 152, 114-120.	2.5	98
23	The Molecular Mechanism of B Cell Activation by toll-like Receptor Protein RP-105. Journal of Experimental Medicine, 1998, 188, 93-101.	8.5	95
24	Immunoglobulin-mediated signal transduction in B cells from CD45-deficient mice.. Journal of Experimental Medicine, 1996, 183, 329-334.	8.5	91
25	A role for immunoglobulin D: interference with tolerance induction. European Journal of Immunology, 1993, 23, 168-178.	2.9	89
26	Depletion of Immunoglobulin M Memory B Cells is Associated with Splenic Hypofunction in Inflammatory Bowel Disease. American Journal of Gastroenterology, 2005, 100, 1788-1795.	0.4	89
27	Splenic Hypofunction and the Spectrum of Autoimmune and Malignant Complications in Celiac Disease. Clinical Gastroenterology and Hepatology, 2006, 4, 179-186.	4.4	89
28	TLR Ligation Triggers Somatic Hypermutation in Transitional B Cells Inducing the Generation of IgM Memory B Cells. Journal of Immunology, 2010, 185, 7293-7301.	0.8	81
29	Pharmacological inhibition of TLR9 activation blocks autoantibody production in human B cells from SLE patients. Rheumatology, 2010, 49, 2281-2289.	1.9	78
30	The Interplay between CD27dull and CD27bright B Cells Ensures the Flexibility, Stability, and Resilience of Human B Cell Memory. Cell Reports, 2020, 30, 2963-2977.e6.	6.4	76
31	Humoral immune responses and CD27+ B cells in children with DiGeorge syndrome (22q11.2 deletion) Tj ETQq1 1 0.784314 rgBT /Ov	2.6	69
32	Bâ€¢cell activation with CD40L or CpG measures the function of Bâ€¢cell subsets and identifies specific defects in immunodeficient patients. European Journal of Immunology, 2017, 47, 131-143.	2.9	69
33	CD19+CD24hiCD38hi B Cells Are Expanded in Juvenile Dermatomyositis and Exhibit a Pro-Inflammatory Phenotype After Activation Through Toll-Like Receptor 7 and Interferon-Î±. Frontiers in Immunology, 2018, 9, 1372.	4.8	68
34	Molecular mimicry of the antigen receptor signalling motif by transmembrane proteins of the Epstein-Barr virus and the bovine leukaemia virus. Current Biology, 1993, 3, 333-339.	3.9	67
35	Plasma Cells in the Mucosa of Patients with Inflammatory Bowel Disease Produce Granzyme B and Possess Cytotoxic Activities. Journal of Immunology, 2014, 192, 6083-6091.	0.8	67
36	The Development of B Cells in the Bone Marrow Is Controlled by the Balance between Cell-Autonomous Mechanisms and Signals from the Microenvironment. Journal of Experimental Medicine, 2000, 191, 5-8.	8.5	66

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37	Reduced numbers of switched memory B cells with high terminal differentiation potential in Down syndrome. European Journal of Immunology, 2015, 45, 903-914.	2.9	65
38	Human Bâ€cell memory is shaped by ageâ€and tissueâ€specific Tâ€independent and GCâ€dependent events. European Journal of Immunology, 2017, 47, 327-344.	2.9	62
39	Highly Specific Memory B Cells Generation after the 2nd Dose of BNT162b2 Vaccine Compensate for the Decline of Serum Antibodies and Absence of Mucosal IgA. Cells, 2021, 10, 2541.	4.1	61
40	Mechanistic Associations of a Mild Phenotype of Immunodysregulation, Polyendocrinopathy, Enteropathy, X-Linked Syndrome. Clinical Gastroenterology and Hepatology, 2006, 4, 653-659.	4.4	59
41	From the fetal liver to spleen and gut: the highway to natural antibody. Mucosal Immunology, 2009, 2, 351-361.	6.0	59
42	Regulation of thymocyte development through CD3. II. Expression of T cell receptor beta CD3 epsilon and maturation to the CD4+8+ stage are highly correlated in individual thymocytes.. Journal of Experimental Medicine, 1993, 178, 1867-1875.	8.5	58
43	Switched memory B cells maintain specific memory independently of serum antibodies: The hepatitis B example. European Journal of Immunology, 2011, 41, 1800-1808.	2.9	58
44	Abnormal bone marrow stroma in mice deficient for nemo-like kinase, Nlk. European Journal of Immunology, 2001, 31, 3580-3587.	2.9	54
45	Early-life gut microbiota under physiological and pathological conditions: The central role of combined meta-omics-based approaches. Journal of Proteomics, 2012, 75, 4580-4587.	2.4	52
46	Induction of Regulatory T Cells After Prophylactic Treatment With Photopheresis in Renal Transplant Recipients. Transplantation, 2007, 83, 1393-1396.	1.0	50
47	Pathogen- or damage-associated molecular patterns during nonalcoholic fatty liver disease development. Hepatology, 2011, 54, 1500-1502.	7.3	47
48	High nitric oxide production, secondary to inducible nitric oxide synthase expression, is essential for regulation of the tumourâ€initiating properties of colon cancer stem cells. Journal of Pathology, 2015, 236, 479-490.	4.5	47
49	Preserved antibody levels and loss of memory <scp>B</scp> cells against pneumococcus and tetanus after splenectomy: Tailoring better vaccination strategies. European Journal of Immunology, 2013, 43, 2659-2670.	2.9	46
50	Abatacept (cytotoxic T lymphocyte antigen 4-immunoglobulin) improves B cell function and regulatory T cell inhibitory capacity in rheumatoid arthritis patients non-responding to anti-tumour necrosis factor-Î± agents. Clinical and Experimental Immunology, 2014, 177, 630-640.	2.6	46
51	Hepatitis B specific T cell immunity induced by primary vaccination persists independently of the protective serum antibody level. Vaccine, 2013, 31, 506-513.	3.8	44
52	Generation of switched memory B cells in response to vaccination in Down syndrome children and their siblings. Vaccine, 2015, 33, 6689-6696.	3.8	44
53	B cell phenotype in pediatric idiopathic nephrotic syndrome. Pediatric Nephrology, 2019, 34, 177-181.	1.7	44
54	Lack of Gut Secretory Immunoglobulin A in Memory B-Cell Dysfunction-Associated Disorders: A Possible Gut-Spleen Axis. Frontiers in Immunology, 2019, 10, 2937.	4.8	43

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55	Induction of CD14 expression inLpsn,Lpsd and tumor necrosis factor receptor-deficient mice. European Journal of Immunology, 1996, 26, 2686-2692.	2.9	42
56	Prolonged Impairment of Immunological Memory After Anti-CD20 Treatment in Pediatric Idiopathic Nephrotic Syndrome. Frontiers in Immunology, 2019, 10, 1653.	4.8	42
57	Immune status of a Î¼, Ï‡ transgenic mouse line. Deficient response to bacterially related antigens. European Journal of Immunology, 1989, 19, 459-468.	2.9	40
58	Peripheral regulatory T cells and serum transforming growth factor-Î²: Relationship with clinical response to infliximab in CrohnÊ¼s disease. Inflammatory Bowel Diseases, 2010, 16, 1891-1897.	1.9	40
59	17-Î²-estradiol elicits genomic and non-genomic responses in mouse male germ cells. Journal of Cellular Physiology, 2006, 206, 238-245.	4.1	39
60	Immune Response of Neonates Born to Mothers Infected With SARS-CoV-2. JAMA Network Open, 2021, 4, e2132563.	5.9	38
61	Functional interaction between p90Rsk2 and Emi1 contributes to the metaphase arrest of mouse oocytes. EMBO Journal, 2004, 23, 4649-4659.	7.8	36
62	Viral oncolysates in patients with advanced ovarian cancer. Gynecologic Oncology, 1988, 29, 337-347.	1.4	35
63	RORÎ³t-Expressing Tregs Drive the Growth of Colitis-Associated Colorectal Cancer by Controlling IL6 in Dendritic Cells. Cancer Immunology Research, 2018, 6, 1082-1092.	3.4	35
64	Impact of a mixed bacterial lysate (OM-85 BV) on the immunogenicity, safety and tolerability of inactivated influenza vaccine in children with recurrent respiratory tract infection. Vaccine, 2014, 32, 2546-2552.	3.8	34
65	Severe Toxoplasma gondii infection in a member of a NFKB2-deficient family with T and B cell dysfunction. Clinical Immunology, 2017, 183, 273-277.	3.2	32
66	Dysregulated miR-155 and miR-125b Are Related to Impaired B-cell Responses in Down Syndrome. Frontiers in Immunology, 2018, 9, 2683.	4.8	30
67	Impairment of the Antipolysaccharide Response in Splenectomized Patients Is Due to the Lack of Immunoglobulin M Memory B Cells. Journal of Infectious Diseases, 2006, 193, 1189-1190.	4.0	29
68	Parents as source of pertussis transmission in hospitalized young infants. Infection, 2017, 45, 171-178.	4.7	29
69	Switched Memory B Cells Are Increased in Oligoarticular and Polyarticular Juvenile Idiopathic Arthritis and Their Change Over Time Is Related to Response to Tumor Necrosis Factor Inhibitors. Arthritis and Rheumatology, 2018, 70, 606-615.	5.6	28
70	Splenic function and IgM-memory B cells in CrohnÊ¼s disease patients treated with infliximab. Inflammatory Bowel Diseases, 2008, 14, 591-596.	1.9	27
71	A multiple retinoic acid antagonist induces conotruncal anomalies, including transposition of the great arteries, in mice. Cardiovascular Pathology, 2006, 15, 194-202.	1.6	25
72	Increased expression of mucosal addressin cell adhesion molecule 1 in the duodenum of patients with active celiac disease is associated with depletion of integrin Î±4Î²7-positive T cells in blood. Human Pathology, 2009, 40, 699-704.	2.0	25

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73	Characterization of B-Cell Maturation in the Peripheral Immune System. , 2004, 271, 25-36.		24
74	Identification of Endothelinâ€1 and NR4A2 as CD133â€regulated genes in colon cancer cells. Journal of Pathology, 2011, 225, 305-314.	4.5	24
75	Protection against Pertussis in Humans Correlates to Elevated Serum Antibodies and Memory B Cells. Frontiers in Immunology, 2017, 8, 1158.	4.8	24
76	Long-term survival and phenotypic spectrum in heterotaxy syndrome: A 25-year follow-up experience. International Journal of Cardiology, 2018, 268, 100-105.	1.7	24
77	A novel immunodeficiency characterized by the exclusive presence of transitional B cells unresponsive to CpG. Immunology, 2007, 121, 183-188.	4.4	23
78	Folic acid and methionine in the prevention of teratogen-induced congenital defects in mice. Cardiovascular Pathology, 2009, 18, 100-109.	1.6	23
79	Hematopoietic activity in putative mouse primordial germ cell populations. Mechanisms of Development, 2015, 136, 53-63.	1.7	23
80	B-cell hyperfunction in children with immune thrombocytopenic purpura persists after splenectomy. Pediatric Research, 2016, 79, 262-270.	2.3	23
81	B cells in SLE: Different biological drugs for different pathogenic mechanisms. Autoimmunity Reviews, 2007, 7, 143-148.	5.8	22
82	Repeated vaccinations do not improve specific immune defenses against Hepatitis B in non-responder health care workers. Vaccine, 2014, 32, 6902-6910.	3.8	22
83	Does Breastfeeding Protect Young Infants From Pertussis? Case-control Study and Immunologic Evaluation. Pediatric Infectious Disease Journal, 2017, 36, e48-e53.	2.0	22
84	Atypical IgM on T cells predict relapse and steroid dependence in idiopathic nephrotic syndrome. Kidney International, 2019, 96, 971-982.	5.2	22
85	The Protective Role of Maternal Immunization in Early Life. Frontiers in Pediatrics, 2021, 9, 638871.	1.9	22
86	Evolution of Human Memory B Cells From Childhood to Old Age. Frontiers in Immunology, 2021, 12, 690534.	4.8	22
87	Severe pertussis infection in infants less than 6 months of age: Clinical manifestations and molecular characterization. Human Vaccines and Immunotherapeutics, 2017, 13, 1073-1077.	3.3	21
88	Memory B-cell subsets as a predictive marker of outcome in hypogammaglobulinemia during infancy. Journal of Allergy and Clinical Immunology, 2007, 120, 474-476.	2.9	19
89	Spleen development is modulated by neonatal gut microbiota. Immunology Letters, 2018, 199, 1-15.	2.5	18
90	Comprehensive phenotyping of human peripheral blood B lymphocytes in healthy conditions. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2022, 101, 131-139.	1.5	17

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91	Role of c-myc and CD45 in spontaneous and anti-receptor-induced apoptosis in adult murine B cells. International Immunology, 1996, 8, 1375-1385.	4.0	16
92	Increased Risk of Invasive Meningococcal Disease, Pregnancy, and Confounding. Pediatrics, 2005, 116, 798-799.	2.1	16
93	Impairment of splenic IgM-memory but not switched-memory B cells in a patient with celiac disease and splenic atrophy. Journal of Allergy and Clinical Immunology, 2007, 120, 1461-1463.	2.9	15
94	Anhidrotic ectodermal dysplasia: A new mutation. Journal of Allergy and Clinical Immunology, 2013, 132, 1451-1453.	2.9	15
95	Longitudinal Evaluation of Immune Reconstitution and B-cell Function After Hematopoietic Cell Transplantation for Primary Immunodeficiency. Journal of Clinical Immunology, 2015, 35, 373-383.	3.8	15
96	Monitoring Perinatal Gut Microbiota in Mouse Models by Mass Spectrometry Approaches: Parental Genetic Background and Breastfeeding Effects. Frontiers in Microbiology, 2016, 7, 1523.	3.5	15
97	Dissecting Integrin Expression and Function on Memory B Cells in Mice and Humans in Autoimmunity. Frontiers in Immunology, 2019, 10, 534.	4.8	15
98	A novel mouse thymocyte antigen (F3Ag): down-regulation during the CD4+CD8+ double-positive stage indicates positive selection. International Immunology, 1996, 8, 101-113.	4.0	14
99	A metaproteomic pipeline to identify newborn mouse gut phylotypes. Journal of Proteomics, 2014, 97, 17-26.	2.4	14
100	Novel <scp>STAT</scp>1 gainâ€ofâ€function mutation and suppurative infections. Pediatric Allergy and Immunology, 2016, 27, 220-223.	2.6	14
101	Heterotaxy syndrome with and without spleen: Different infection risk and management. Journal of Allergy and Clinical Immunology, 2017, 139, 1981-1984.e1.	2.9	14
102	Reversion of resistance to immunosuppressive agents in three patients with psoriatic arthritis by cyclosporine A: Modulation of P-glycoprotein function. Clinical Immunology, 2011, 138, 9-13.	3.2	13
103	The possible implication of the S250C variant of the autoimmune regulator protein in a patient with autoimmunity and immunodeficiency: in silico analysis suggests a molecular pathogenic mechanism for the variant. Gene, 2014, 549, 286-294.	2.2	13
104	Induction of immune response after SARS-CoV-2 mRNA BNT162b2 vaccination in healthcare workers. Journal of Virus Eradication, 2021, 7, 100046.	0.5	13
105	Additional maternal and nonmaternal factors contribute to microbiota shaping in newborns. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, E159; author reply E160.	7.1	11
106	Mortality in Severe Antibody Deficiencies Patients during the First Two Years of the COVID-19 Pandemic: Vaccination and Monoclonal Antibodies Efficacy. Biomedicines, 2022, 10, 1026.	3.2	11
107	Effects of exposure to gradient magnetic fields emitted by nuclear magnetic resonance devices on clonogenic potential and proliferation of human hematopoietic stem cells. Bioelectromagnetics, 2016, 37, 201-211.	1.6	10
108	Immunosuppression in Experimental Chagas Disease Is Mediated by an Alteration of Bone Marrow Stromal Cell Function During the Acute Phase of Infection. Frontiers in Immunology, 2018, 9, 2794.	4.8	10

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109	Increased serum IgM, immunodeficiency, and autoimmunity: A clinical series. International Journal of Immunopathology and Pharmacology, 2015, 28, 547-556.	2.1	9
110	Activation of T cellsviatumor antigen specific chimeric receptors: The role of the intracellular signaling domain. International Journal of Cancer, 2003, 103, 399-407.	5.1	8
111	Metaproteomic investigation to assess gut microbiota shaping in newborn mice: A combined taxonomic, functional and quantitative approach. Journal of Proteomics, 2019, 203, 103378.	2.4	8
112	B Cell Modulation Strategies in Autoimmunity: The SLE Example. Current Pharmaceutical Design, 2011, 17, 3155-3165.	1.9	7
113	Effects of Pidotimod on recurrent respiratory infections in children with Down syndrome: a retrospective Italian study. Italian Journal of Pediatrics, 2020, 46, 31.	2.6	7
114	Chronic hepatitis B infection in adolescents vaccinated at birth: An alarm bell in favor of the need for a booster?. Hepatology, 2014, 59, 349-349.	7.3	6
115	B cells from nuclear factor kB essential modulator deficient patients fail to differentiate to antibody secreting cells in response to TLR9 ligand. Clinical Immunology, 2015, 161, 131-135.	3.2	5
116	Comprehensive phenotyping of human peripheral blood B lymphocytes in pathological conditions. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2021, , .	1.5	5
117	The role of memory B cells in immunity after vaccination. Paediatrics and Child Health (United) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.4	4
118	Evaluating B-Cells: From Bone Marrow Precursors to Antibody-Producing Cells. Methods in Molecular Biology, 2013, 1032, 45-57.	0.9	4
119	Evaluation of Immune and Vaccine Competence in Steroid-Sensitive Nephrotic Syndrome Pediatric Patients. Frontiers in Immunology, 2021, 12, 602826.	4.8	4
120	A novel form of non-X-linked hyperigm associated with growth and pubertal disturbances and with lymphoma development. Journal of Pediatrics, 2006, 148, 404-406.	1.8	3
121	Partial T cell defects and expanded CD56bright NK cells in an SCID patient carrying hypomorphic mutation in the IL2RG gene. Journal of Leukocyte Biology, 2020, 108, 739-748.	3.3	3
122	Circulating plasmablasts in children with steroid-sensitive nephrotic syndrome. Pediatric Nephrology, 2021, , 1.	1.7	3
123	The link between varicella and immune system: which children will develop acute cerebellitis?. Italian Journal of Pediatrics, 2020, 46, 75.	2.6	2
124	IgM on the surface of T cells: a novel biomarker of pediatric-onset systemic lupus erythematosus. Pediatric Nephrology, 2021, 36, 909-916.	1.7	2
125	Purification and Characterization of Murine MZ and T2-MZP Cells. Methods in Molecular Biology, 2021, 2270, 3-25.	0.9	2
126	Purification and Immunophenotypic Characterization of Murine MZ and T2-MZP Cells. Methods in Molecular Biology, 2014, 1190, 3-16.	0.9	2

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127	Determinants of invasive bacterial diseases in children: a preliminary report. Paediatrics and Child Health (United Kingdom), 2008, 18, S16-S18.	0.4	0
128	Photopheresis in organ transplantation: the basic mechanism of action revealed. Paediatrics and Child Health (United Kingdom), 2008, 18, S33-S35.	0.4	0
129	A refined approach to detect and measure minimal residual disease in childhood acute myeloid leukemia by flow cytometry. American Journal of Hematology, 2014, 89, 343-344.	4.1	0