Carole Bourquin

List of Publications by Year
in descending order

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64 papers	5,349 citations	126907 33 h-index	114465 63 g-index
64 all docs	64 docs citations	64 times ranked	11120 citing authors

#	Article	IF	Citations
1	Sequence-specific potent induction of IFN-Î± by short interfering RNA in plasmacytoid dendritic cells through TLR7. Nature Medicine, 2005, 11, 263-270.	30.7	1,153
2	Omega-3 Fatty Acids Prevent Inflammation and Metabolic Disorder through Inhibition of NLRP3 Inflammasome Activation. Immunity, 2013, 38, 1154-1163.	14.3	597
3	Cellular Immunostimulation by CpG-Sequence-Coated DNA Origami Structures. ACS Nano, 2011, 5, 9696-9702.	14.6	433
4	5â€²-triphosphate-siRNA: turning gene silencing and Rig-I activation against melanoma. Nature Medicine, 2008, 14, 1256-1263.	30.7	353
5	CpG Blocks Immunosuppression by Myeloid-Derived Suppressor Cells in Tumor-Bearing Mice. Clinical Cancer Research, 2011, 17, 1765-1775.	7.0	218
6	Targeting CpG Oligonucleotides to the Lymph Node by Nanoparticles Elicits Efficient Antitumoral Immunity. Journal of Immunology, 2008, 181, 2990-2998.	0.8	150
7	CCL22 controls immunity by promoting regulatory T cell communication with dendritic cells in lymph nodes. Journal of Experimental Medicine, 2019, 216, 1170-1181.	8.5	145
8	Chronic progressive HIV-1 infection is associated with elevated levels of myeloid-derived suppressor cells. Aids, 2012, 26, F31-F37.	2.2	137
9	Delivery by Cationic Gelatin Nanoparticles Strongly Increases the Immunostimulatory Effects of CpG Oligonucleotides. Pharmaceutical Research, 2008, 25, 551-562.	3.5	117
10	Morphological and immunocytochemical characteristics indicate the yield of early progenitors and represent a quality control for human mesenchymal stem cell culturing. Journal of Anatomy, 2009, 214, 759-767.	1.5	117
11	ISCOMATRIX Adjuvant Combines Immune Activation with Antigen Delivery to Dendritic Cells In Vivo Leading to Effective Cross-Priming of CD8+ T Cells. Journal of Immunology, 2011, 187, 55-63.	0.8	105
12	CD103 is a hallmark of tumorâ€infiltrating regulatory T cells. International Journal of Cancer, 2011, 129, 2417-2426.	5.1	104
13	Mesoporous Silica Nanoparticles as pH-Responsive Carrier for the Immune-Activating Drug Resiquimod Enhance the Local Immune Response in Mice. ACS Nano, 2021, 15, 4450-4466.	14.6	94
14	Immune response to functionalized mesoporous silica nanoparticles for targeted drug delivery. Nanoscale, 2016, 8, 938-948.	5.6	93
15	Selection of Molecular Structure and Delivery of RNA Oligonucleotides to Activate TLR7 versus TLR8 and to Induce High Amounts of IL-12p70 in Primary Human Monocytes. Journal of Immunology, 2009, 182, 6824-6833.	0.8	90
16	Fc Receptors are Critical for Autoimmune Inflammatory Damage to the Central Nervous System in Experimental Autoimmune Encephalomyelitis. Scandinavian Journal of Immunology, 2002, 55, 70-81.	2.7	82
17	Systemic Cancer Therapy with a Small Molecule Agonist of Toll-like Receptor 7 Can Be Improved by Circumventing TLR Tolerance. Cancer Research, 2011, 71, 5123-5133.	0.9	73
18	Antigen Delivery to Plasmacytoid Dendritic Cells via BST2 Induces Protective T Cell-Mediated Immunity. Journal of Immunology, 2011, 186, 6718-6725.	0.8	71

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19	TLR7-based cancer immunotherapy decreases intratumoral myeloid-derived suppressor cells and blocks their immunosuppressive function. OncoImmunology, 2016, 5, e1230578.	4.6	65
20	Suppression of Intratumoral CCL22 by Type I Interferon Inhibits Migration of Regulatory T Cells and Blocks Cancer Progression. Cancer Research, 2015, 75, 4483-4493.	0.9	59
21	Immunostimulatory RNA Blocks Suppression by Regulatory T Cells. Journal of Immunology, 2010, 184, 939-946.	0.8	55
22	Immunostimulatory RNA oligonucleotides trigger an antigen-specific cytotoxic T-cell and IgG2a response. Blood, 2007, 109, 2953-2960.	1.4	54
23	Myelin oligodendrocyte glycoprotein-DNA vaccination induces antibody-mediated autoaggression in experimental autoimmune encephalomyelitis. European Journal of Immunology, 2000, 30, 3663-3671.	2.9	52
24	Polymer-based nanoparticles loaded with a TLR7 ligand to target the lymph node for immunostimulation. International Journal of Pharmaceutics, 2018, 535, 444-451.	5.2	48
25	Harnessing the immune system to fight cancer with Toll-like receptor and RIG-I-like receptor agonists. Pharmacological Research, 2020, 154, 104192.	7.1	45
26	Engineered hybrid spider silk particles as delivery system for peptide vaccines. Biomaterials, 2018, 172, 105-115.	11.4	44
27	Amphiphilic nanoparticle delivery enhances the anticancer efficacy of a TLR7 ligand via local immune activation. Biomaterials, 2019, 190-191, 111-120.	11.4	43
28	Immunostimulatory RNA Oligonucleotides Induce an Effective Antitumoral NK Cell Response through the TLR7. Journal of Immunology, 2009, 183, 6078-6086.	0.8	42
29	Antibodies and IL-3 support helminth-induced basophil expansion. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14954-14959.	7.1	42
30	Selective Unresponsiveness to Conformational B Cell Epitopes of the Myelin Oligodendrocyte Glycoprotein in H-2b Mice. Journal of Immunology, 2003, 171, 455-461.	0.8	41
31	Arginase inhibition suppresses lung metastasis in the 4T1 breast cancer model independently of the immunomodulatory and anti-metastatic effects of VEGFR-2 blockade. OncoImmunology, 2017, 6, e1316437.	4.6	40
32	Immunotherapy with dendritic cells and CpG oligonucleotides can be combined with chemotherapy without loss of efficacy in a mouse model of colon cancer. International Journal of Cancer, 2006, 118, 2790-2795.	5.1	39
33	Activation of Melanoma Differentiation-Associated Gene 5 Causes Rapid Involution of the Thymus. Journal of Immunology, 2009, 182, 6044-6050.	0.8	34
34	Selective Bispecific T Cell Recruiting Antibody and Antitumor Activity of Adoptive T Cell Transfer. Journal of the National Cancer Institute, 2015, 107, 364.	6.3	34
35	TLR and RLR Signaling Are Reprogrammed in Opposite Directions after Detection of Viral Infection. Journal of Immunology, 2015, 195, 4387-4395.	0.8	31
36	Reprogramming of TLR7 signaling enhances antitumor NK and cytotoxic T cell responses. OncoImmunology, 2016, 5, e1232219.	4.6	31

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37	Hook length of the bacterial flagellum is optimized for maximal stability of the flagellar bundle. PLoS Biology, 2018, 16, e2006989.	5.6	31
38	Development of resiquimod-loaded modified PLA-based nanoparticles for cancer immunotherapy: A kinetic study. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 139, 253-261.	4.3	28
39	Delivery of Immunostimulatory RNA Oligonucleotides by Gelatin Nanoparticles Triggers an Efficient Antitumoral Response. Journal of Immunotherapy, 2010, 33, 935-944.	2.4	26
40	Recruitment of Natural Killer Cells in Advanced Stages of Endogenously Arising B-cell Lymphoma. Journal of Immunotherapy, 2012, 35, 217-222.	2.4	24
41	Phage idiotype vaccination: first phase I/II clinical trial in patients with multiple myeloma. Journal of Translational Medicine, 2014, 12, 119.	4.4	24
42	Efficient Eradication of Subcutaneous but Not of Autochthonous Gastric Tumors by Adoptive T Cell Transfer in an SV40 T Antigen Mouse Model. Journal of Immunology, 2010, 185, 2580-2588.	0.8	23
43	Antimicrobial silver-filled silica nanorattles with low immunotoxicity in dendritic cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 11-22.	3.3	23
44	Polymer-Coated Gold Nanospheres Do Not Impair the Innate Immune Function of Human B Lymphocytes in Vitro. ACS Nano, 2019, 13, 6790-6800.	14.6	23
45	The interleukin-1 cytokine family members: Role in cancer pathogenesis and potential therapeutic applications in cancer immunotherapy. Cytokine and Growth Factor Reviews, 2021, 62, 1-14.	7.2	21
46	Genetic variation in myelin oligodendrocyte glycoprotein expression and susceptibility to experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2003, 139, 1-8.	2.3	20
47	Systemic cancer immunotherapy with Toll-like receptor 7 agonists. OncoImmunology, 2012, 1, 227-228.	4.6	20
48	In breast cancer, a high ratio of tumourâ€infiltrating intraepithelial CD8+ to FoxP3+ cells is characteristic for the medullary subtype. Histopathology, 2011, 59, 965-974.	2.9	19
49	The dipeptidylpeptidaseâ€IV inhibitors sitagliptin, vildagliptin and saxagliptin do not impair innate and adaptive immune responses. Diabetes, Obesity and Metabolism, 2014, 16, 569-572.	4.4	19
50	Silver-Containing Titanium Dioxide Nanocapsules for Combating Multidrug-Resistant Bacteria . International Journal of Nanomedicine, 2020, Volume 15, 1267-1281.	6.7	19
51	A rapid screening method to evaluate the impact of nanoparticles on macrophages. Nanoscale, 2017, 9, 2492-2504.	5.6	16
52	Short-term activation induces multifunctional dendritic cells that generate potent antitumor T-cell responses in vivo. Cancer Immunology, Immunotherapy, 2009, 58, 901-913.	4.2	15
53	Chemically linked phage idiotype vaccination in the murine B cell lymphoma 1 model. Journal of Translational Medicine, 2013, 11, 267.	4.4	14
54	Superior Protective Immunity against Murine Listeriosis by Combined Vaccination with CpG DNA and RecombinantSalmonella entericaSerovar Typhimurium. Infection and Immunity, 2009, 77, 5501-5508.	2.2	11

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55	DNA vaccination efficiently induces antibodies to Nogo-A and does not exacerbate experimental autoimmune encephalomyelitis. European Journal of Pharmacology, 2008, 588, 99-105.	3.5	7
56	NAB2 is a novel immune stimulator of MDA-5 that promotes a strong type I interferon response. Oncotarget, 2018, 9, 5641-5651.	1.8	7
57	Virus-associated activation of innate immunity induces rapid disruption of Peyerâ€™s patches in mice. Blood, 2013, 122, 2591-2599.	1.4	6
58	Neonatal Immune Tolerance Induction to Allow Long-Term Studies With an Immunogenic Therapeutic Monoclonal Antibody in Mice. AAPS Journal, 2016, 18, 354-361.	4.4	5
59	HMGB1 promotes CXCL12â€dependent egress of murine B cells from Peyer's patches in homeostasis. European Journal of Immunology, 2021, 51, 1980-1991.	2.9	5
60	TLR Activation Excludes Circulating Naive CD8+ T Cells from Gut-Associated Lymphoid Organs in Mice. Journal of Immunology, 2013, 190, 5313-5320.	0.8	4
61	Bionanomaterials for the Delivery of Cancer Immunotherapy. Chimia, 2019, 73, 69.	0.6	4
62	Mycoplasma hyorhinis-Contaminated Cell Lines Activate Primary Innate Immune Cells via a Protease-Sensitive Factor. PLoS ONE, 2015, 10, e0142523.	2.5	3
63	Myelin oligodendrocyte glycoprotein-DNA vaccination induces antibody-mediated autoaggression in experimental autoimmune encephalomyelitis. European Journal of Immunology, 2000, 30, 3663-3671.	2.9	1
64	PS2-023. Following TLR Activation Naive CD8 T Cells Are Excluded From Gut-Associated Lymphoid Tissue In An IL-6-Dependent Manner. Cytokine, 2011, 56, 69.	3.2	0