

Gunther Hartmann

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195
papers

25,609
citations

70
h-index

159
g-index

215
ext. papers

28,510
ext. citations

10.7
avg, IF

6.53
L-index

#	Paper	IF	Citations
195	A mammalian microRNA expression atlas based on small RNA library sequencing. <i>Cell</i> , 2007 , 129, 1401-1414	46.2	3005
194	5Triphosphate RNA is the ligand for RIG-I. <i>Science</i> , 2006 , 314, 994-7	33.3	1826
193	Quantitative expression of toll-like receptor 1-10 mRNA in cellular subsets of human peripheral blood mononuclear cells and sensitivity to CpG oligodeoxynucleotides. <i>Journal of Immunology</i> , 2002 , 168, 4531-7	5.3	1574
192	Sequence-specific potent induction of IFN-alpha by short interfering RNA in plasmacytoid dendritic cells through TLR7. <i>Nature Medicine</i> , 2005 , 11, 263-70	50.5	1026
191	Identification of CpG oligonucleotide sequences with high induction of IFN-alpha/beta in plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2001 , 31, 2154-63	6.1	733
190	Syk kinase signalling couples to the Nlrp3 inflammasome for anti-fungal host defence. <i>Nature</i> , 2009 , 459, 433-6	50.4	675
189	RIG-I-dependent sensing of poly(dA:dT) through the induction of an RNA polymerase III-transcribed RNA intermediate. <i>Nature Immunology</i> , 2009 , 10, 1065-72	19.1	645
188	Toll-like receptor expression reveals CpG DNA as a unique microbial stimulus for plasmacytoid dendritic cells which synergizes with CD40 ligand to induce high amounts of IL-12. <i>European Journal of Immunology</i> , 2001 , 31, 3026-37	6.1	643
187	Recognition of 5Triphosphate by RIG-I helicase requires short blunt double-stranded RNA as contained in panhandle of negative-strand virus. <i>Immunity</i> , 2009 , 31, 25-34	32.3	564
186	Cyclic [G(2R5P)A(3R5P)] is the metazoan second messenger produced by DNA-activated cyclic GMP-AMP synthase. <i>Cell</i> , 2013 , 153, 1094-107	56.2	562
185	Mechanism and function of a newly identified CpG DNA motif in human primary B cells. <i>Journal of Immunology</i> , 2000 , 164, 944-53	5.3	530
184	CpG DNA: a potent signal for growth, activation, and maturation of human dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 9305-10	11.5	525
183	Delineation of a CpG phosphorothioate oligodeoxynucleotide for activating primate immune responses in vitro and in vivo. <i>Journal of Immunology</i> , 2000 , 164, 1617-24	5.3	512
182	Recognition of RNA virus by RIG-I results in activation of CARD9 and inflammasome signaling for interleukin 1 beta production. <i>Nature Immunology</i> , 2010 , 11, 63-9	19.1	407
181	Antiviral immunity via RIG-I-mediated recognition of RNA bearing 5Rdiphosphates. <i>Nature</i> , 2014 , 514, 372-375	50.4	359
180	Plasmacytoid dendritic cells: a new cutaneous dendritic cell subset with distinct role in inflammatory skin diseases. <i>Journal of Investigative Dermatology</i> , 2002 , 119, 1096-102	4.3	327
179	Structure-function analysis of STING activation by c[G(2R5P)A(3R5P)] and targeting by antiviral DMXAA. <i>Cell</i> , 2013 , 154, 748-62	56.2	322

178	High altitude increases circulating interleukin-6, interleukin-1 receptor antagonist and C-reactive protein. <i>Cytokine</i> , 2000 , 12, 246-52	4	309
177	5RTriphosphate-siRNA: turning gene silencing and Rig-I activation against melanoma. <i>Nature Medicine</i> , 2008 , 14, 1256-63	50.5	307
176	Activation with CpG-A and CpG-B oligonucleotides reveals two distinct regulatory pathways of type I IFN synthesis in human plasmacytoid dendritic cells. <i>Journal of Immunology</i> , 2003 , 170, 4465-74	5.3	282
175	Plasmacytoid dendritic cells control TLR7 sensitivity of naive B cells via type I IFN. <i>Journal of Immunology</i> , 2005 , 174, 4043-50	5.3	281
174	Proapoptotic signaling induced by RIG-I and MDA-5 results in type I interferon-independent apoptosis in human melanoma cells. <i>Journal of Clinical Investigation</i> , 2009 , 119, 2399-411	15.9	270
173	Rational design of new CpG oligonucleotides that combine B cell activation with high IFN-alpha induction in plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2003 , 33, 1633-41	6.1	257
172	Discriminating self from non-self in nucleic acid sensing. <i>Nature Reviews Immunology</i> , 2016 , 16, 566-80	36.5	253
171	Oxidative damage of DNA confers resistance to cytosolic nuclease TREX1 degradation and potentiates STING-dependent immune sensing. <i>Immunity</i> , 2013 , 39, 482-95	32.3	251
170	TRADD protein is an essential component of the RIG-like helicase antiviral pathway. <i>Immunity</i> , 2008 , 28, 651-61	32.3	242
169	Taming TNF: strategies to restrain this proinflammatory cytokine. <i>Trends in Immunology</i> , 1997 , 18, 487-92		237
168	Plasmacytoid dendritic cells, antigen, and CpG-C license human B cells for plasma cell differentiation and immunoglobulin production in the absence of T-cell help. <i>Blood</i> , 2004 , 103, 3058-64	2.2	235
167	Identification and functional analysis of tumor-infiltrating plasmacytoid dendritic cells in head and neck cancer. <i>Cancer Research</i> , 2003 , 63, 6478-87	10.1	230
166	Neutralization of interleukin-18 reduces severity in murine colitis and intestinal IFN-gamma and TNF-alpha production. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001 , 281, R1264-73	3.2	219
165	Preferential expression and function of Toll-like receptor 3 in human astrocytes. <i>Journal of Neuroimmunology</i> , 2005 , 159, 12-9	3.5	212
164	Antisense therapy in oncology: new hope for an old idea?. <i>Lancet, The</i> , 2001 , 358, 489-97	40	205
163	Listeria monocytogenes is sensed by the NLRP3 and AIM2 inflammasome. <i>European Journal of Immunology</i> , 2010 , 40, 1545-51	6.1	199
162	Structural and functional insights into 5Rppp RNA pattern recognition by the innate immune receptor RIG-I. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 781-7	17.6	196
161	Inhibition of toll-like receptor 7- and 9-mediated alpha/beta interferon production in human plasmacytoid dendritic cells by respiratory syncytial virus and measles virus. <i>Journal of Virology</i> , 2005 , 79, 5507-15	6.6	196

160	siRNA and isRNA: two edges of one sword. <i>Molecular Therapy</i> , 2006 , 14, 463-70	11.7	181
159	Replication-dependent potent IFN-alpha induction in human plasmacytoid dendritic cells by a single-stranded RNA virus. <i>Journal of Immunology</i> , 2004 , 173, 5935-43	5.3	175
158	CpG DNA and LPS induce distinct patterns of activation in human monocytes. <i>Gene Therapy</i> , 1999 , 6, 893-903	4	174
157	Exosomes as nucleic acid nanocarriers. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 331-5	18.5	166
156	Peritumoral CpG DNA elicits a coordinated response of CD8 T cells and innate effectors to cure established tumors in a murine colon carcinoma model. <i>Journal of Immunology</i> , 2002 , 169, 3892-9	5.3	163
155	A Conserved Histidine in the RNA Sensor RIG-I Controls Immune Tolerance to N1-2 β -Methylated Self RNA. <i>Immunity</i> , 2015 , 43, 41-51	32.3	154
154	Enhanced dendritic cell maturation by TNF-alpha or cytidine-phosphate-guanosine DNA drives T cell activation in vitro and therapeutic anti-tumor immune responses in vivo. <i>Journal of Immunology</i> , 2000 , 165, 6278-86	5.3	148
153	Spontaneous formation of nucleic acid-based nanoparticles is responsible for high interferon-alpha induction by CpG-A in plasmacytoid dendritic cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 8086-93	5.4	146
152	Sequence-specific activation of the DNA sensor cGAS by Y-form DNA structures as found in primary HIV-1 cDNA. <i>Nature Immunology</i> , 2015 , 16, 1025-33	19.1	145
151	Role of adenosine receptors in regulating chemotaxis and cytokine production of plasmacytoid dendritic cells. <i>Blood</i> , 2004 , 103, 1391-7	2.2	143
150	Anti-inflammatory activities of cAMP-elevating agents: enhancement of IL-10 synthesis and concurrent suppression of TNF production. <i>Journal of Leukocyte Biology</i> , 1998 , 63, 101-7	6.5	143
149	IL-12p70-dependent Th1 induction by human B cells requires combined activation with CD40 ligand and CpG DNA. <i>Journal of Immunology</i> , 2004 , 172, 954-63	5.3	137
148	RIG-I detects infection with live Listeria by sensing secreted bacterial nucleic acids. <i>EMBO Journal</i> , 2012 , 31, 4153-64	13	132
147	Plasmacytoid dendritic cells: the key to CpG. <i>Human Immunology</i> , 2002 , 63, 1111-9	2.3	122
146	Raised leptin concentrations at high altitude associated with loss of appetite. <i>Lancet, The</i> , 1998 , 352, 1119-20	40	121
145	Nucleic Acid Immunity. <i>Advances in Immunology</i> , 2017 , 133, 121-169	5.6	118
144	Type I interferon-mediated autoinflammation due to DNase II deficiency. <i>Nature Communications</i> , 2017 , 8, 2176	17.4	111
143	Infection fatality rate of SARS-CoV2 in a super-spreading event in Germany. <i>Nature Communications</i> , 2020 , 11, 5829	17.4	111

142	B-cell lymphomas differ in their responsiveness to CpG oligodeoxynucleotides. <i>Clinical Cancer Research</i> , 2005 , 11, 1490-9	12.9	110
141	Delivery by cationic gelatin nanoparticles strongly increases the immunostimulatory effects of CpG oligonucleotides. <i>Pharmaceutical Research</i> , 2008 , 25, 551-62	4.5	105
140	Therapeutic efficacy of bifunctional siRNA combining TGF- β silencing with RIG-I activation in pancreatic cancer. <i>Cancer Research</i> , 2013 , 73, 1709-20	10.1	103
139	Combined dendritic cell- and CpG oligonucleotide-based immune therapy cures large murine tumors that resist chemotherapy. <i>European Journal of Immunology</i> , 2002 , 32, 3235-45	6.1	100
138	T cell-independent, TLR-induced IL-12p70 production in primary human monocytes. <i>Journal of Immunology</i> , 2006 , 176, 7438-46	5.3	98
137	Activation of endothelial toll-like receptor 3 impairs endothelial function. <i>Circulation Research</i> , 2011 , 108, 1358-66	15.7	87
136	Assessing the therapeutic potential of immunostimulatory nucleic acids. <i>Current Opinion in Immunology</i> , 2008 , 20, 389-95	7.8	84
135	Staphylococcus aureus protein A triggers T cell-independent B cell proliferation by sensitizing B cells for TLR2 ligands. <i>Journal of Immunology</i> , 2007 , 178, 2803-12	5.3	84
134	ATG16L1 orchestrates interleukin-22 signaling in the intestinal epithelium via cGAS-STING. <i>Journal of Experimental Medicine</i> , 2018 , 215, 2868-2886	16.6	83
133	Human plasmacytoid dendritic cells support Th17 cell effector function in response to TLR7 ligation. <i>Journal of Immunology</i> , 2010 , 184, 1159-67	5.3	81
132	CpG-A and CpG-B oligonucleotides differentially enhance human peptide-specific primary and memory CD8+ T-cell responses in vitro. <i>Blood</i> , 2004 , 103, 2162-9	2.2	79
131	Oligodeoxynucleotides Enhance Lipopolysaccharide-Stimulated Synthesis of Tumor Necrosis Factor: Dependence on Phosphorothioate Modification and Reversal by Heparin. <i>Molecular Medicine</i> , 1996 , 2, 429-438	6.2	76
130	Tumour-derived prostaglandin E and transforming growth factor-beta synergize to inhibit plasmacytoid dendritic cell-derived interferon-alpha. <i>Immunology</i> , 2009 , 128, 439-50	7.8	73
129	Turning tumors into vaccines: co-opting the innate immune system. <i>Immunity</i> , 2013 , 39, 27-37	32.3	72
128	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. <i>Journal of Immunology</i> , 2009 , 182, 6824-33	5.3	71
127	The chase for the RIG-I ligand--recent advances. <i>Molecular Therapy</i> , 2010 , 18, 1254-62	11.7	70
126	Approaching the RNA ligand for RIG-I?. <i>Immunological Reviews</i> , 2009 , 227, 66-74	11.3	66
125	Targeted activation of RNA helicase retinoic acid-inducible gene-I induces proimmunogenic apoptosis of human ovarian cancer cells. <i>Cancer Research</i> , 2010 , 70, 5293-304	10.1	65

124	CpG ODN enhance antigen-specific NKT cell activation via plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2005 , 35, 2347-57	6.1	64
123	Distinct CpG oligonucleotide sequences activate human gamma delta T cells via interferon-alpha/-beta. <i>European Journal of Immunology</i> , 2001 , 31, 3525-34	6.1	64
122	RNA recognition via TLR7 and TLR8. <i>Handbook of Experimental Pharmacology</i> , 2008 , 71-86	3.2	63
121	CpG-A oligonucleotides induce a monocyte-derived dendritic cell-like phenotype that preferentially activates CD8 T cells. <i>Journal of Immunology</i> , 2003 , 170, 3468-77	5.3	63
120	ATP hydrolysis by the viral RNA sensor RIG-I prevents unintentional recognition of self-RNA. <i>ELife</i> , 2015 , 4,	8.9	63
119	RIG-I detects triphosphorylated RNA of <i>Listeria monocytogenes</i> during infection in non-immune cells. <i>PLoS ONE</i> , 2013 , 8, e62872	3.7	62
118	Free-Circulating Methylated DNA in Blood for Diagnosis, Staging, Prognosis, and Monitoring of Head and Neck Squamous Cell Carcinoma Patients: An Observational Prospective Cohort Study. <i>Clinical Chemistry</i> , 2017 , 63, 1288-1296	5.5	60
117	Binding-pocket and lid-region substitutions render human STING sensitive to the species-specific drug DMXAA. <i>Cell Reports</i> , 2014 , 8, 1668-1676	10.6	58
116	Mechanisms and therapeutic applications of immune stimulatory cpG DNA 1999 , 84, 113-20		58
115	5RTriphosphorylated small interfering RNAs control replication of hepatitis B virus and induce an interferon response in human liver cells and mice. <i>Gastroenterology</i> , 2011 , 141, 696-706, 706.e1-3	13.3	57
114	Virally infected mouse liver endothelial cells trigger CD8+ T-cell immunity. <i>Gastroenterology</i> , 2010 , 138, 336-46	13.3	57
113	Inflammasome-Dependent Induction of Adaptive NK Cell Memory. <i>Immunity</i> , 2016 , 44, 1406-21	32.3	55
112	Targeting the cytosolic innate immune receptors RIG-I and MDA5 effectively counteracts cancer cell heterogeneity in glioblastoma. <i>Stem Cells</i> , 2013 , 31, 1064-74	5.8	55
111	Cytosolic RIG-I-like helicases act as negative regulators of sterile inflammation in the CNS. <i>Nature Neuroscience</i> , 2011 , 15, 98-106	25.5	54
110	Selective and direct activation of human neutrophils but not eosinophils by Toll-like receptor 8. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 123, 1026-33	11.5	53
109	In vivo synthesis of tumor necrosis factor-alpha in healthy humans after live yellow fever vaccination. <i>Journal of Infectious Diseases</i> , 1998 , 177, 774-8	7	52
108	Immunostimulatory RNA oligonucleotides trigger an antigen-specific cytotoxic T-cell and IgG2a response. <i>Blood</i> , 2007 , 109, 2953-60	2.2	50
107	Characterizing the genetic basis of innate immune response in TLR4-activated human monocytes. <i>Nature Communications</i> , 2014 , 5, 5236	17.4	48

106	Immune Sensing Mechanisms that Discriminate Self from Altered Self and Foreign Nucleic Acids. <i>Immunity</i> , 2020 , 53, 54-77	32.3	48
105	Amplification of N-Myc is associated with a T-cell-poor microenvironment in metastatic neuroblastoma restraining interferon pathway activity and chemokine expression. <i>Oncolmmunology</i> , 2017 , 6, e1320626	7.2	47
104	Self-priming determines high type I IFN production by plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2014 , 44, 807-818	6.1	47
103	Immunostimulatory RNA blocks suppression by regulatory T cells. <i>Journal of Immunology</i> , 2010 , 184, 939-46	5.3	47
102	Sorafenib in combination with carboplatin and paclitaxel as neoadjuvant chemotherapy in patients with advanced ovarian cancer. <i>Cancer Chemotherapy and Pharmacology</i> , 2010 , 66, 203-7	3.5	46
101	CpG oligonucleotides: novel regulators of osteoclast differentiation. <i>FASEB Journal</i> , 2002 , 16, 274-82	0.9	46
100	Structural Alterations of MET Trigger Response to MET Kinase Inhibition in Lung Adenocarcinoma Patients. <i>Clinical Cancer Research</i> , 2018 , 24, 1337-1343	12.9	44
99	Complete regression of advanced primary and metastatic mouse melanomas following combination chemoimmunotherapy. <i>Cancer Research</i> , 2009 , 69, 6265-74	10.1	43
98	Analysis of plasmacytoid and myeloid dendritic cells in nasal epithelium. <i>Vaccine Journal</i> , 2006 , 13, 1278-86		42
97	Dendritic cell vaccination in human melanoma: relationships between clinical effects and vaccine parameters. <i>Pigment Cell and Melanoma Research</i> , 2010 , 23, 607-19	4.5	40
96	Structural studies of oligonucleotides containing G-quadruplex motifs using AFM. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 313, 1065-72	3.4	39
95	RIG-I activation induces the release of extracellular vesicles with antitumor activity. <i>Oncolmmunology</i> , 2016 , 5, e1219827	7.2	35
94	Immunogenic cell death of human ovarian cancer cells induced by cytosolic poly(I:C) leads to myeloid cell maturation and activates NK cells. <i>European Journal of Immunology</i> , 2011 , 41, 3028-39	6.1	35
93	Immunostimulatory RNA oligonucleotides induce an effective antitumoral NK cell response through the TLR7. <i>Journal of Immunology</i> , 2009 , 183, 6078-86	5.3	35
92	Immunotherapy with dendritic cells and CpG oligonucleotides can be combined with chemotherapy without loss of efficacy in a mouse model of colon cancer. <i>International Journal of Cancer</i> , 2006 , 118, 2790-5	7.5	35
91	Immunostimulatory properties of CpG-oligonucleotides are enhanced by the use of protamine nanoparticles. <i>Oligonucleotides</i> , 2006 , 16, 313-22		35
90	A human in vitro whole blood assay to predict the systemic cytokine response to therapeutic oligonucleotides including siRNA. <i>PLoS ONE</i> , 2013 , 8, e71057	3.7	35
89	Adrenaline enhances LPS-induced IL-10 synthesis: evidence for protein kinase A-mediated pathway. <i>International Journal of Immunopharmacology</i> , 1998 , 20, 57-69		34

88	Immune Sensing of Synthetic, Bacterial, and Protozoan RNA by Toll-like Receptor 8 Requires Coordinated Processing by RNase T2 and RNase 2. <i>Immunity</i> , 2020 , 52, 591-605.e6	32.3	34
87	Cutting Edge: The RIG-I Ligand 3pRNA Potently Improves CTL Cross-Priming and Facilitates Antiviral Vaccination. <i>Journal of Immunology</i> , 2016 , 196, 2439-43	5.3	30
86	Specific suppression of human tumor necrosis factor-alpha synthesis by antisense oligodeoxynucleotides. <i>Oligonucleotides</i> , 1996 , 6, 291-9		30
85	AChE and RACK1 promote the anti-inflammatory properties of fluoxetine. <i>Journal of Molecular Neuroscience</i> , 2014 , 53, 306-15	3.3	29
84	Improved sensitivity for detection of breast cancer by combination of miR-34a and tumor markers CA 15-3 or CEA. <i>Oncotarget</i> , 2018 , 9, 22523-22536	3.3	28
83	Stressing hematopoiesis and immunity: an acetylcholinesterase window into nervous and immune system interactions. <i>Frontiers in Molecular Neuroscience</i> , 2012 , 5, 30	6.1	27
82	Higher activation of TLR9 in plasmacytoid dendritic cells by microbial DNA compared with self-DNA based on CpG-specific recognition of phosphodiester DNA. <i>Journal of Leukocyte Biology</i> , 2009 , 86, 663-70	6.5	27
81	Shock waves: a novel method for cytoplasmic delivery of antisense oligonucleotides. <i>Journal of Molecular Medicine</i> , 2001 , 79, 306-13	5.5	27
80	Suppression of tumor necrosis factor-alpha production by interleukin-10 is enhanced by cAMP-elevating agents. <i>European Journal of Pharmacology</i> , 1997 , 321, 231-9	5.3	26
79	Clinical Performance of CEA, CA19-9, CA15-3, CA125 and AFP in Gastrointestinal Cancer Using LOCIbased Assays. <i>Anticancer Research</i> , 2017 , 37, 353-359	2.3	23
78	Efficient solid-phase synthesis of pppRNA by using product-specific labeling. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4694-8	16.4	22
77	Influence of acute exposure to high altitude on basal and postprandial plasma levels of gastroenteropancreatic peptides. <i>PLoS ONE</i> , 2012 , 7, e44445	3.7	22
76	High RIG-I expression in ovarian cancer associates with an immune-escape signature and poor clinical outcome. <i>International Journal of Cancer</i> , 2020 , 146, 2007-2018	7.5	21
75	TLR8-driven IL-12-dependent reciprocal and synergistic activation of NK cells and monocytes by immunostimulatory RNA. <i>Journal of Immunotherapy</i> , 2009 , 32, 262-71	5	20
74	CpG oligonucleotides induce strong humoral but only weak CD4+ T cell responses to protein antigens in rhesus macaques in vivo. <i>Vaccine</i> , 2005 , 23, 3310-7	4.1	20
73	RIG-I Resists Hypoxia-Induced Immunosuppression and Dedifferentiation. <i>Cancer Immunology Research</i> , 2017 , 5, 455-467	12.5	19
72	Monocyte-mediated inhibition of TLR9-dependent IFN- γ induction in plasmacytoid dendritic cells questions bacterial DNA as the active ingredient of bacterial lysates. <i>Journal of Immunology</i> , 2010 , 185, 7367-73	5.3	19
71	Where Failure Is Not an Option -Personalized Medicine in Astronauts. <i>PLoS ONE</i> , 2015 , 10, e0140764	3.7	19

70	Endothelial RIG-I activation impairs endothelial function. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 420, 66-71	3.4	18
69	Memory B cells targeting SARS-CoV-2 spike protein and their dependence on CD4 T cell help. <i>Cell Reports</i> , 2021 , 35, 109320	10.6	17
68	CpG oligonucleotides elicit antitumor responses in a human melanoma NOD/SCID xenotransplantation model. <i>Journal of Investigative Dermatology</i> , 2004 , 122, 387-91	4.3	16
67	Correlation between a quantitative anti-SARS-CoV-2 IgG ELISA and neutralization activity. <i>Journal of Medical Virology</i> , 2022 , 94, 388-392	19.7	16
66	Human TLR8 Senses RNA From -Infected Red Blood Cells Which Is Uniquely Required for the IFN- γ Response in NK Cells. <i>Frontiers in Immunology</i> , 2019 , 10, 371	8.4	15
65	Specific expression of k63-linked ubiquitination of calmodulin-like protein 5 in breast cancer of premenopausal patients. <i>Journal of Cancer Research and Clinical Oncology</i> , 2013 , 139, 2125-32	4.9	15
64	Regulation and function of the cytosolic viral RNA sensor RIG-I in pancreatic beta cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009 , 1793, 1768-75	4.9	15
63	Targeting the innate immunoreceptor RIG-I overcomes melanoma-intrinsic resistance to T cell immunotherapy. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4266-4281	15.9	15
62	RIG-I Activation Protects and Rescues from Lethal Influenza Virus Infection and Bacterial Superinfection. <i>Molecular Therapy</i> , 2017 , 25, 2093-2103	11.7	14
61	No indication for a defect in toll-like receptor signaling in patients with hyper-IgE syndrome. <i>Journal of Clinical Immunology</i> , 2005 , 25, 321-8	5.7	14
60	Diagnostic Performance of a Novel Multiplex Immunoassay in Colorectal Cancer. <i>Anticancer Research</i> , 2017 , 37, 2477-2486	2.3	14
59	Direct RIG-I activation in human NK cells induces TRAIL-dependent cytotoxicity toward autologous melanoma cells. <i>International Journal of Cancer</i> , 2019 , 144, 1645-1656	7.5	14
58	Clinical performance of LOCI-based tumor marker assays for tumor markers CA 15-3, CA 125, CEA, CA 19-9 and AFP in gynecological cancers. <i>Tumor Biology</i> , 2017 , 39, 1010428317730246	2.9	13
57	Adrenomedullin: a player at high altitude?. <i>Chest</i> , 1998 , 113, 1428	5.3	13
56	Activation of Dendritic Cells and Induction of T Cell Responses by Hpv 16 L1/E7 Chimeric Virus-Like Particles are Enhanced by Cpg ODN or Sorbitol. <i>Antiviral Therapy</i> , 2004 , 9, 479-489	1.6	13
55	Yeast virus-derived stimulator of the innate immune system augments the efficacy of virus vector-based immunotherapy. <i>Journal of Virology</i> , 2014 , 88, 5242-55	6.6	11
54	Analysis of integrated clinical trial protocols in early phases of medicinal product development. <i>European Journal of Clinical Pharmacology</i> , 2017 , 73, 1565-1577	2.8	11
53	Stimulation of TLR7 prior to polymicrobial sepsis improves the immune control of the inflammatory response in adult mice. <i>Inflammation Research</i> , 2011 , 60, 271-9	7.2	11

52	MDA-5 activation by cytoplasmic double-stranded RNA impairs endothelial function and aggravates atherosclerosis. <i>Journal of Cellular and Molecular Medicine</i> , 2016 , 20, 1696-705	5.6	11
51	VKORC1-dependent pharmacokinetics of intravenous and oral phylloquinone (vitamin K1) mixed micelles formulation. <i>European Journal of Clinical Pharmacology</i> , 2013 , 69, 467-75	2.8	9
50	Effects of an active immunization on the immune response of laying Japanese quail (<i>Coturnix coturnix japonica</i>) fed with or without genetically modified <i>Bacillus thuringiensis</i> -maize. <i>Poultry Science</i> , 2010 , 89, 1122-8	3.9	9
49	Enzymatic synthesis and purification of a defined RIG-I ligand. <i>Methods in Molecular Biology</i> , 2014 , 1169, 15-25	1.4	9
48	Absence of cGAS-mediated type I IFN responses in HIV-1-infected T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 19475-19486	11.5	9
47	Individualized versus standardized risk assessment in patients at high risk for adverse drug reactions (IDrug) - study protocol for a pragmatic randomized controlled trial. <i>BMC Family Practice</i> , 2016 , 17, 49	2.6	8
46	Nucleic acid adjuvants: toward an educated vaccine. <i>Advances in Immunology</i> , 2012 , 114, 1-32	5.6	8
45	The hairy cell leukemia cell line Eskol spontaneously synthesizes tumor necrosis factor-alpha and nitric oxide. <i>Leukemia Research</i> , 1998 , 22, 501-7	2.7	8
44	Mitf silencing cooperates with IL-12 gene transfer to inhibit melanoma in mice. <i>International Immunopharmacology</i> , 2010 , 10, 540-5	5.8	7
43	Plasma adrenomedullin levels, body fluid status, and end-stage renal failure. <i>Nephron</i> , 1998 , 80, 232-3	3.3	7
42	Gene silencing below the immune radar. <i>Journal of Clinical Investigation</i> , 2009 , 119, 438-42	15.9	7
41	Analysis of Serum miRNA in Glioblastoma Patients: CD44-Based Enrichment of Extracellular Vesicles Enhances Specificity for the Prognostic Signature. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
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