Bryan R Williams

List of Publications by Year
in descending order

286	34,617	3731 89	3830 178
papers	citations	h-index	g-index

288	288	288	29135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	HOW CELLS RESPOND TO INTERFERONS. Annual Review of Biochemistry, 1998, 67, 227-264.	11.1	3,630
2	Interferon-inducible antiviral effectors. Nature Reviews Immunology, 2008, 8, 559-568.	22.7	1,855
3	Identification of genes differentially regulated by interferon Î±, Î², or Î³ using oligonucleotide arrays. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 15623-15628.	7.1	1,676
4	Activation of the interferon system by short-interfering RNAs. Nature Cell Biology, 2003, 5, 834-839.	10.3	1,354
5	Molecular cloning and characterization of the human double-stranded RNA-activated protein kinase induced by interferon. Cell, 1990, 62, 379-390.	28.9	989
6	PKR; a sentinel kinase for cellular stress. Oncogene, 1999, 18, 6112-6120.	5.9	763
7	TLR4, but not TLR2, mediates IFN-Î²â€“induced STAT1Î±/Î²-dependent gene expression in macrophages. Nature Immunology, 2002, 3, 392-398.	14.5	753
8	Apoptosis and interferons: role of interferon-stimulated genes as mediators of apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2003, 8, 237-249.	4.9	719
9	Double-stranded RNA-dependent protein kinase activates transcription factor NF-kappa B by phosphorylating I kappa B.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6288-6292.	7.1	548
10	Inhibition of cell-free protein synthesis by pppA2â€² p5â€² A2â€² p5â€² A: a novel oligonucleotide synthesized by interferon-treated L cell extracts. Cell, 1978, 13, 565-572.	28.9	453
11	A double-stranded RNA-activated protein kinase-dependent pathway mediating stress-induced apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 3279-3283.	7.1	380
12	JNK2 and IKKÎ² Are Required for Activating the Innate Response to Viral Infection. Immunity, 1999, 11, 721-731.	14.3	362
13	Analysis of microRNA turnover in mammalian cells following Dicer1 ablation. Nucleic Acids Research, 2011, 39, 5692-5703.	14.5	361
14	ARED: human AU-rich element-containing mRNA database reveals an unexpectedly diverse functional repertoire of encoded proteins. Nucleic Acids Research, 2001, 29, 246-254.	14.5	352
15	NF-ÎºB Activation by Double-Stranded-RNA-Activated Protein Kinase (PKR) Is Mediated through NF-ÎºB-Inducing Kinase and IÎºB Kinase. Molecular and Cellular Biology, 2000, 20, 1278-1290.	2.3	350
16	p38 MAP kinase is required for STAT1 serine phosphorylation and transcriptional activation induced by interferons. EMBO Journal, 1999, 18, 5601-5608.	7.8	349
17	A structural basis for discriminating between self and nonself double-stranded RNAs in mammalian cells. Nature Biotechnology, 2006, 24, 559-565.	17.5	343
18	High-density lipoprotein mediates anti-inflammatory reprogramming of macrophages via the transcriptional regulator ATF3. Nature Immunology, 2014, 15, 152-160.	14.5	337

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19	Deficient cytokine signaling in mouse embryo fibroblasts with a targeted deletion in the PKR gene: role of IRF-1 and NF-kappa B. EMBO Journal, 1997, 16, 406-416.	7.8	336
20	Activation of the mammalian immune system by siRNAs. Nature Biotechnology, 2005, 23, 1399-1405.	17.5	321
21	Signal Integration via PKR. Science Signaling, 2001, 2001, re2-re2.	3.6	318
22	Structure of the double-stranded RNA-binding domain of the protein kinase PKR reveals the molecular basis of its dsRNA-mediated activation. EMBO Journal, 1998, 17, 5458-5465.	7.8	298
23	ATF3 transcription factor and its emerging roles in immunity and cancer. Journal of Molecular Medicine, 2009, 87, 1053-1060.	3.9	295
24	ARED 3.0: the large and diverse AU-rich transcriptome. Nucleic Acids Research, 2006, 34, D111-D114.	14.5	293
25	Regulation of c-myc expression by IFN-Î³ through Stat1-dependent and -independent pathways. EMBO Journal, 2000, 19, 263-272.	7.8	281
26	Poly(dIÂ·dC)-induced Toll-like Receptor 3 (TLR3)-mediated Activation of NFÎºB and MAP Kinase Is through an Interleukin-1 Receptor-associated Kinase (IRAK)-independent Pathway Employing the Signaling Components TLR3-TRAF6-TAK1-TAB2-PKR. Journal of Biological Chemistry, 2003, 278, 16713-16719.	3.4	271
27	p38 Mitogen-Activated Protein Kinase-Dependent and -Independent Signaling of mRNA Stability of AU-Rich Element-Containing Transcripts. Molecular and Cellular Biology, 2003, 23, 425-436.	2.3	269
28	Natural occurrence of 2-5A in interferon-treated EMC virus-infected L cells. Nature, 1979, 282, 582-586.	27.8	265
29	Alphavirus-based DNA vaccine breaks immunological tolerance by activating innate antiviral pathways. Nature Medicine, 2003, 9, 33-39.	30.7	260
30	The protein kinase PKR is required for p38 MAPK activation and the innate immune response to bacterial endotoxin. EMBO Journal, 2000, 19, 4292-4297.	7.8	257
31	Blockage of NF-kappa B signaling by selective ablation of an mRNA target by 2-5A antisense chimeras. Science, 1994, 265, 789-792.	12.6	241
32	Constitutive expression of human double-stranded RNA-activated p68 kinase in murine cells mediates phosphorylation of eukaryotic initiation factor 2 and partial resistance to encephalomyocarditis virus growth. Journal of Virology, 1992, 66, 5805-5814.	3.4	232
33	Interferon Action in Triply Deficient Mice Reveals the Existence of Alternative Antiviral Pathways. Virology, 1999, 258, 435-440.	2.4	230
34	Specific phenotypic restoration of an attenuated virus by knockout of a host resistance gene. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6097-6101.	7.1	224
35	Viral apoptosis is induced by IRF-3-mediated activation of Bax. EMBO Journal, 2010, 29, 1762-1773.	7.8	224
36	PKR and RNase L Contribute to Protection against Lethal West Nile Virus Infection by Controlling Early Viral Spread in the Periphery and Replication in Neurons. Journal of Virology, 2006, 80, 7009-7019.	3.4	220

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37	The response of mammalian cells to double-stranded RNA. Cytokine and Growth Factor Reviews, 2007, 18, 363-371.	7.2	217
38	Inhibition of protein synthesis by 2â€²â€“5â€² linked adenine oligonucleotides in intact cells. Nature, 1978, 276, 88-90.	27.8	203
39	Potential Alu Function: Regulation of the Activity of Double-Stranded RNA-Activated Kinase PKR. Molecular and Cellular Biology, 1998, 18, 58-68.	2.3	194
40	Induction of interferon-stimulated gene expression and antiviral responses require protein deacetylase activity. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9578-9583.	7.1	194
41	Activation of p38 Mitogen-Activated Protein Kinase and c-Jun NH₂-Terminal Kinase by Double-Stranded RNA and Encephalomyocarditis Virus: Involvement of RNase L, Protein Kinase R, and Alternative Pathways. Molecular and Cellular Biology, 2000, 20, 617-627.	2.3	193
42	Negative Regulation of TLR-Signaling Pathways by Activating Transcription Factor-3. Journal of Immunology, 2007, 179, 3622-3630.	0.8	189
43	ISG20, a New Interferon-induced RNase Specific for Single-stranded RNA, Defines an Alternative Antiviral Pathway against RNA Genomic Viruses. Journal of Biological Chemistry, 2003, 278, 16151-16158.	3.4	188
44	Transcriptional regulation of interferon-stimulated genes. FEBS Journal, 1991, 200, 1-11.	0.2	181
45	Identification of double-stranded RNA-binding domains in the interferon-induced double-stranded RNA-activated p68 kinase.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 5447-5451.	7.1	178
46	A miR-19 regulon that controls NF-ÎºB signaling. Nucleic Acids Research, 2012, 40, 8048-8058.	14.5	167
47	Synergistic Activation of Innate Immunity by Double-Stranded RNA and CpG DNA Promotes Enhanced Antitumor Activity. Cancer Research, 2004, 64, 5850-5860.	0.9	166
48	Blockade of Interferon Induction and Action by the E3L Double-Stranded RNA Binding Proteins of Vaccinia Virus. Journal of Virology, 2002, 76, 5251-5259.	3.4	162
49	Interferon gamma and interleukin 4 stimulate prolonged expression of inducible nitric oxide synthase in human airway epithelium through synthesis of soluble mediators.. Journal of Clinical Investigation, 1997, 100, 829-838.	8.2	161
50	Tissue, Developmental, and Tumor-Specific Expression of Divergent Transcripts in Wilms Tumor. Science, 1990, 250, 991-994.	12.6	160
51	Early Immune Response in Healthy and Immunocompromised Subjects with Primary Varicella-Zoster Virus Infection. Journal of Infectious Diseases, 1986, 154, 422-429.	4.0	158
52	Protein-tyrosine Phosphatase Shp-1 Is a Negative Regulator of IL-4- and IL-13-dependent Signal Transduction. Journal of Biological Chemistry, 1998, 273, 33893-33896.	3.4	158
53	Role of the double-stranded RNA-activated protein kinase (PKR) in cell regulation. Biochemical Society Transactions, 1997, 25, 509-513.	3.4	157
54	HIV-1 Tat Directly Interacts with the Interferon-Induced, Double-Stranded RNA-Dependent Kinase, PKR. Virology, 1995, 213, 413-424.	2.4	156

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55	Signal transduction by interferon-alpha through arachidonic acid metabolism. Science, 1991, 251, 204-207.	12.6	154
56	HIV-1 TAR RNA Has an Intrinsic Ability to Activate Interferon-Inducible Enzymes. Virology, 1994, 204, 823-827.	2.4	154
57	The interferon-inducible double-stranded RNA-activated protein kinase self-associates in vitro and in vivo.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 8283-8287.	7.1	151
58	A dynamically tuned double-stranded RNA binding mechanism for the activation of antiviral kinase PKR. EMBO Journal, 2000, 19, 5567-5574.	7.8	151
59	ARED 2.0: an update of AU-rich element mRNA database. Nucleic Acids Research, 2003, 31, 421-423.	14.5	149
60	TLR7 Is Involved in Sequence-Specific Sensing of Single-Stranded RNAs in Human Macrophages. Journal of Immunology, 2008, 180, 2117-2124.	0.8	145
61	Synthesis and Breakdown of pppA2'p5'A2'p5'A and Transient Inhibition of Protein Synthesis in Extracts from Interferon-Treated and Control Cells. FEBS Journal, 1978, 92, 455-462.	0.2	141
62	Wilms Tumor Locus on 11p13 Defined by Multiple CpG Island-Associated Transcripts. Science, 1990, 250, 994-997.	12.6	138
63	Tumor Cell Response to Synchrotron Microbeam Radiation Therapy Differs Markedly From Cells in Normal Tissues. International Journal of Radiation Oncology Biology Physics, 2010, 77, 886-894.	0.8	136
64	RNA interference in biology and disease. Blood, 2005, 106, 787-794.	1.4	135
65	Constitutive Expression of a 2â€²,5â€²-Oligoadenylate Synthetase cDNA Results in Increased Antiviral Activity and Growth Suppression. Journal of Interferon Research, 1989, 9, 649-657.	1.2	134
66	A systematic search for downstream mediators of tumor suppressor function of p53 reveals a major role of BTG2 in suppression of Ras-induced transformation. Genes and Development, 2006, 20, 236-252.	5.9	120
67	The B56Îł Regulatory Subunit of Protein Phosphatase 2A Is a Target for Regulation by Double-Stranded RNA-Dependent Protein Kinase PKR. Molecular and Cellular Biology, 2000, 20, 5285-5299.	2.3	119
68	Impaired Innate Host Defense Causes Susceptibility to Respiratory Virus Infections in Cystic Fibrosis. Immunity, 2003, 18, 619-630.	14.3	119
69	PKR-Dependent and -Independent Mechanisms Are Involved in Translational Shutoff during Sindbis Virus Infection. Journal of Virology, 2004, 78, 8455-8467.	3.4	119
70	DRBP76, a Double-stranded RNA-binding Nuclear Protein, Is Phosphorylated by the Interferon-induced Protein Kinase, PKR. Journal of Biological Chemistry, 1999, 274, 20432-20437.	3.4	116
71	Characterization of the Solution Complex between the Interferon-induced, Double-stranded RNA-activated Protein Kinase and HIV-I Trans-activating Region RNA. Journal of Biological Chemistry, 1997, 272, 9510-9516.	3.4	115
72	ATF3 Suppresses Metastasis of Bladder Cancer by Regulating Gelsolin-Mediated Remodeling of the Actin Cytoskeleton. Cancer Research, 2013, 73, 3625-3637.	0.9	114

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73	Interferon-Regulated Pathways That Control Hepatitis B Virus Replication in Transgenic Mice. Journal of Virology, 2002, 76, 2617-2621.	3.4	112
74	Novel Growth and Death Related Interferon-Stimulated Genes (ISGs) in Melanoma: Greater Potency of IFN-Î²Compared with IFN-Î±2. Journal of Interferon and Cytokine Research, 2003, 23, 745-756.	1.2	111
75	RNA-Dependent Protein Kinase PKR Is Required for Activation of NF-ÎºB by IFN-Î³ in a STAT1-Independent Pathway. Journal of Immunology, 2001, 166, 6170-6180.	0.8	110
76	Heterogeneity in Control of mRNA Stability by AU-rich Elements. Journal of Biological Chemistry, 2003, 278, 12085-12093.	3.4	110
77	Activation of a nuclease by pppA2â€²p5â€² A2â€²p5â€² A in intact cells. FEBS Letters, 1979, 105, 47-52.	2.8	109
78	Phospholipid Scramblase 1 Potentiates the Antiviral Activity of Interferon. Journal of Virology, 2004, 78, 8983-8993.	3.4	107
79	Molecular characterization of cytogenetic alterations associated with the Beckwith â€" Wiedemann syndrome (BWS) phenotype refines the localization and suggests the gene for BWS is imprinted. Human Molecular Genetics, 1993, 2, 549-556.	2.9	104
80	Fine tuning type I interferon responses. Cytokine and Growth Factor Reviews, 2013, 24, 217-225.	7.2	103
81	RNA interference and double-stranded-RNA-activated pathways. Biochemical Society Transactions, 2004, 32, 952-956.	3.4	102
82	A transcriptional signaling pathway in the IFN system mediated by 2â€²-5â€²-oligoadenylate activation of RNase L. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14533-14538.	7.1	99
83	Fineâ€tuning of the innate immune response by microRNAs. Immunology and Cell Biology, 2007, 85, 458-462.	2.3	99
84	Type I Interferon Induction Pathway, but Not Released Interferon, Participates in the Maturation of Dendritic Cells Induced by Negativeâ€Strand RNA Viruses. Journal of Infectious Diseases, 2003, 187, 1126-1136.	4.0	98
85	The Role of Ets2 Transcription Factor in the Induction of MicroRNA-155 (miR-155) by Lipopolysaccharide and Its Targeting by Interleukin-10. Journal of Biological Chemistry, 2014, 289, 4316-4325.	3.4	98
86	Protein Kinase R (PKR) Interacts with and Activates Mitogen-activated Protein Kinase Kinase 6 (MKK6) in Response to Double-stranded RNA Stimulation. Journal of Biological Chemistry, 2004, 279, 37670-37676.	3.4	97
87	Analysis of Genes Induced by Sendai Virus Infection of Mutant Cell Lines Reveals Essential Roles of Interferon Regulatory Factor 3, NF-ÎºB, and Interferon but Not Toll-Like Receptor 3. Journal of Virology, 2005, 79, 3920-3929.	3.4	97
88	Functional Replacement of the Carboxy-Terminal Two-Thirds of the Influenza A Virus NS1 Protein with Short Heterologous Dimerization Domains. Journal of Virology, 2002, 76, 12951-12962.	3.4	94
89	The Promyelocytic Leukemia Zinc Finger Protein: Two Decades of Molecular Oncology. Frontiers in Oncology, 2012, 2, 74.	2.8	93
90	Roles of Protein-tyrosine Phosphatases in Stat1Î±-mediated Cell Signaling. Journal of Biological Chemistry, 1995, 270, 25709-25714.	3.4	92

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91	Quercetin Ingestion Does Not Alter Cytokine Changes in Athletes Competing in the Western States Endurance Run. Journal of Interferon and Cytokine Research, 2007, 27, 1003-1012.	1.2	92
92	Central Role of Double-Stranded RNA-Activated Protein Kinase in Microbial Induction of Nitric Oxide Synthase. Journal of Immunology, 2000, 165, 988-996.	0.8	91
93	RNase L and Double-Stranded RNA-Dependent Protein Kinase Exert Complementary Roles in Islet Cell Defense during Coxsackievirus Infection. Journal of Immunology, 2005, 174, 1171-1177.	0.8	91
94	Replication of Hepatitis C Virus (HCV) RNA in Mouse Embryonic Fibroblasts: Protein Kinase R (PKR)-Dependent and PKR-Independent Mechanisms for Controlling HCV RNA Replication and Mediating Interferon Activities. Journal of Virology, 2006, 80, 7364-7374.	3.4	91
95	Promyelocytic Leukemia Zinc Finger Protein Regulates Interferon-Mediated Innate Immunity. Immunity, 2009, 30, 802-816.	14.3	88
96	Role for the Wilms tumor gene in genital development?. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 5383-5386.	7.1	86
97	Interferons induce an antiviral state in human pancreatic islet cells. Virology, 2007, 367, 92-101.	2.4	85
98	â€œEndogenous adjuvantâ€•activity of the RNA components of lupus autoantigens Sm/RNP and Ro 60. Arthritis and Rheumatism, 2006, 54, 1557-1567.	6.7	82
99	HIV-I TAT Inhibits PKR Activity by Both RNA-Dependent and RNA-Independent Mechanisms. Archives of Biochemistry and Biophysics, 2000, 373, 361-367.	3.0	80
100	Developmental expression of the endogenous TIMP gene and a TIMP-lacZ fusion gene in transgenic mice.. Genes and Development, 1990, 4, 1094-1106.	5.9	79
101	Mutational Analysis of the Double-stranded RNA (dsRNA) Binding Domain of the dsRNA-activated Protein Kinase, PKR. Journal of Biological Chemistry, 1995, 270, 2601-2606.	3.4	77
102	Type I Interferon Inhibits Antibody Responses Induced by a Chimpanzee Adenovirus Vector. Molecular Therapy, 2007, 15, 393-403.	8.2	76
103	Mitochondrial arginase-2 is essential for IL-10 metabolic reprogramming of inflammatory macrophages. Nature Communications, 2021, 12, 1460.	12.8	74
104	The role of the dsRNA-activated kinase, PKR, in signal transduction. Seminars in Virology, 1995, 6, 191-202.	3.9	73
105	A nonâ€canonical function of Ezh2 preserves immune homeostasis. EMBO Reports, 2017, 18, 619-631.	4.5	73
106	Homozygous somatic Wt1 point mutations in sporadic unilateral Wilms tumor.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 1416-1419.	7.1	72
107	Telomerase Deficiency Causes Alveolar Stem Cell Senescence-associated Low-grade Inflammation in Lungs. Journal of Biological Chemistry, 2015, 290, 30813-30829.	3.4	72
108	Loss of heterozygosity mapping in Wilms tumor indicates the involvement of three distinct regions and a limited role for nondisjunction or mitotic recombination. Genes Chromosomes and Cancer, 1992, 5, 326-334.	2.8	67

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109	p53, bcl-2, and Bax Expression in Renal Cell Carcinoma. Urology, 1998, 51, 1057-1061.	1.0	67
110	Genetic modulation of TLR8 response following bacterial phagocytosis. Human Mutation, 2010, 31, 1069-1079.	2.5	67
111	Rational Design of Immunostimulatory siRNAs. Molecular Therapy, 2010, 18, 785-795.	8.2	66
112	Regulation of interferon receptor expression in human blood lymphocytes in vitro and during interferon therapy.. Journal of Clinical Investigation, 1986, 77, 1632-1638.	8.2	66
113	Cell cycle regulation of the double stranded RNA activated protein kinase, PKR. Oncogene, 1999, 18, 315-326.	5.9	65
114	Protein kinase PKR is required for platelet-derived growth factor signaling of c-fos gene expression via Erks and Stat3. EMBO Journal, 2001, 20, 2487-2496.	7.8	65
115	Involvement of the Interferon-Regulated Antiviral Proteins PKR and RNase L in Reovirus-Induced Shutoff of Cellular Translation. Journal of Virology, 2005, 79, 2240-2250.	3.4	65
116	Distinct roles of protein kinase R and toll-like receptor 3 in the activation of astrocytes by viral stimuli. Glia, 2007, 55, 239-252.	4.9	65
117	Differential Effect of Murine Alpha/Beta Interferon Transgenes on Antagonization of Herpes Simplex Virus Type 1 Replication. Journal of Virology, 2002, 76, 6558-6567.	3.4	64
118	Receptor-associated constitutive protein tyrosine phosphatase activity controls the kinase function of JAK1. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 8563-8568.	7.1	63
119	Two distinct tumor suppressor loci within chromosome 11p15 implicated in breast cancer progression and metastasis. Human Molecular Genetics, 1998, 7, 895-903.	2.9	62
120	Human Immunodeficiency Virus-1/Surface Glycoprotein 120 Induces Apoptosis through RNA-Activated Protein Kinase Signaling in Neurons. Journal of Neuroscience, 2007, 27, 11047-11055.	3.6	62
121	Tissue-Specific and Inducer-Specific Differential Induction of ISG56 and ISG54 in Mice. Journal of Virology, 2007, 81, 8656-8665.	3.4	62
122	The acetyltransferase HAT1 moderates the NF-Î²B response by regulating the transcription factor PLZF. Nature Communications, 2015, 6, 6795.	12.8	62
123	The Interferon-Induced Double-Stranded RNA-Activated Human p68 Protein Kinase Potently Inhibits Protein Synthesis in Cultured Cells. Virology, 1993, 192, 380-385.	2.4	61
124	Involvement of Double-stranded RNA-activated Protein Kinase in the Synergistic Activation of Nuclear Factor-Î²B by Tumor Necrosis Factor-Î± and Î³-Interferon in Preneuronal Cells. Journal of Biological Chemistry, 1999, 274, 4801-4806.	3.4	61
125	Effect of Deficiency of the Double-Stranded RNA-Dependent Protein Kinase, PKR, on Antiviral Resistance in the Presence or Absence of Ribonuclease L: HSV-1 Replication Is Particularly Sensitive to Deficiency of the Major IFN-Mediated Enzymes. Journal of Interferon and Cytokine Research, 2000, 20, 653-659.	1.2	61
126	Identification of Critical Residues Required for Suppressor of Cytokine Signaling-specific Regulation of Interleukin-4 Signaling. Journal of Biological Chemistry, 2000, 275, 26500-26506.	3.4	61

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127	Constitutive expression of the Wilms tumor suppressor gene (WT1) in renal cell carcinoma. , 1998, 78, 182-188.		60
128	Lysophosphatidic acid downregulates tissue inhibitor of metalloproteinases, which are negatively involved in lysophosphatidic acid-induced cell invasion. Oncogene, 2007, 26, 2894-2901.	5.9	60
129	Derivation and characterization of a Wilms' tumour cell line, WiT 49. International Journal of Cancer, 2003, 107, 365-374.	5.1	59
130	Different modes of interaction by TIAR and HuR with target RNA and DNA. Nucleic Acids Research, 2011, 39, 1117-1130.	14.5	59
131	Identification of a histone family gene signature for predicting the prognosis of cervical cancer patients. Scientific Reports, 2017, 7, 16495.	3.3	58
132	The respective roles of the protein kinase and pppA2â€² p5â€² A2â€² p5â€² A-activated endonuclease in the inhibition of protein synthesis by double stranded RNA in rabbit reticulocyte lysates. Nucleic Acids Research, 1979, 6, 1335-1350.	14.5	57
133	Differential binding of human interferon-Î± subtypes to receptors on lymphoblastoid cells. Biochemical and Biophysical Research Communications, 1983, 110, 537-544.	2.1	57
134	Patterns of coordinate down-regulation of ARE-containing transcripts following immune cell activation. Genomics, 2004, 84, 1002-1013.	2.9	57
135	Down-Regulation of p53 by Double-Stranded RNA Modulates the Antiviral Response. Journal of Virology, 2005, 79, 11105-11114.	3.4	57
136	The 2â€“5A (pppA2â€² p5â€² A2â€² p5â€² A) system in interferon-treated and control cells. Trends in Biochemical Sciences, 1980, 5, 138-140.	7.5	56
137	X chromosome inactivation of the human TIMP gene. Nucleic Acids Research, 1990, 18, 4191-4195.	14.5	56
138	A Gene Expression Signature for Relapse of Primary Wilms Tumors. Cancer Research, 2005, 65, 2592-2601.	0.9	56
139	The p59 oligoadenylate synthetase-like protein possesses antiviral activity that requires the C-terminal ubiquitin-like domain. Journal of General Virology, 2008, 89, 2767-2772.	2.9	56
140	An Antiviral Response Directed by PKR Phosphorylation of the RNA Helicase A. PLoS Pathogens, 2009, 5, e1000311.	4.7	54
141	Regulation of Actin Dynamics by Protein Kinase R Control of Gelsolin Enforces Basal Innate Immune Defense. Immunity, 2012, 36, 795-806.	14.3	54
142	BTB-ZF transcriptional regulator PLZF modifies chromatin to restrain inflammatory signaling programs. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1535-1540.	7.1	54
143	The antiviral enzymes PKR and RNase L suppress gene expression from viral and non-viral based vectors. Nucleic Acids Research, 1999, 27, 4369-4375.	14.5	52
144	RNase L Mediates Transient Control of the Interferon Response through Modulation of the Double-stranded RNA-dependent Protein Kinase PKR. Journal of Biological Chemistry, 2003, 278, 20124-20132.	3.4	52

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145	The use of miRNA microarrays for the analysis of cancer samples with global miRNA decrease. Rna, 2013, 19, 876-888.	3.5	52
146	Molecular cloning of partial cDNA copies of two distinct mouse IFN-Î² mRNAs. Nucleic Acids Research, 1982, 10, 3069-3084.	14.5	50
147	The murine double-stranded RNA-dependent protein kinase PKR and the murine 2â€²,5â€²-oligoadenylate synthetase-dependent RNase L are required for IFN-Î²-mediated resistance against herpes simplex virus type 1 in primary trigeminal ganglion culture. Virology, 2003, 313, 126-135.	2.4	50
148	Determinants of Cytokine Induction by Small Interfering RNA in Human Peripheral Blood Mononuclear Cells. Journal of Interferon and Cytokine Research, 2008, 28, 221-233.	1.2	50
149	Interferon-Stimulated Genes and Their Protein Products: What and How?. Journal of Interferon and Cytokine Research, 2011, 31, 1-4.	1.2	50
150	Integrin-linked Kinase Modulates Lipopolysaccharide- and Helicobacter pylori-induced Nuclear Factor ÎºB-activated Tumor Necrosis Factor-Î± Production via Regulation of p65 Serine 536 Phosphorylation. Journal of Biological Chemistry, 2014, 289, 27776-27793.	3.4	50
151	The kinase activity of PKR represses inflammasome activity. Cell Research, 2016, 26, 367-379.	12.0	49
152	Transcriptional Activation of Inflammatory Genes: Mechanistic Insight into Selectivity and Diversity. Biomolecules, 2015, 5, 3087-3111.	4.0	46
153	ATF3 Repression of BCL-XL Determines Apoptotic Sensitivity to HDAC Inhibitors across Tumor Types. Clinical Cancer Research, 2017, 23, 5573-5584.	7.0	46
154	PKR: Proposed Nomenclature for the RNA-Dependent Protein Kinase Induced by Interferon. Journal of Interferon Research, 1993, 13, 241-241.	1.2	45
155	Direct pulsed field gel electrophoresis of Wilms' tumors shows that dna deletions in 11 p 13 are rare. Genes Chromosomes and Cancer, 1991, 3, 89-100.	2.8	44
156	Novel interferon-Î²-induced gene expression in peripheral blood cells. Journal of Leukocyte Biology, 2007, 82, 1353-1360.	3.3	44
157	siRNAâ€induced immunostimulation through TLR7 promotes antitumoral activity against HPVâ€driven tumors in vivo. Immunology and Cell Biology, 2012, 90, 187-196.	2.3	44
158	Efficient suppression of secretory clusterin levels by polymer-siRNA nanocomplexes enhances ionizing radiation lethality in human MCF-7 breast cancer cells in vitro. International Journal of Nanomedicine, 2006, 1, 155-162.	6.7	44
159	Transcript profiling of Wilms tumors reveals connections to kidney morphogenesis and expression patterns associated with anaplasia. Oncogene, 2005, 24, 457-468.	5.9	43
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