

Peter Ghazal

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

158
papers

7,953
citations

43
h-index

85
g-index

174
ext. papers

9,036
ext. citations

8.4
avg, IF

5.19
L-index

#	Paper	IF	Citations
158	The Systems Biology Graphical Notation. <i>Nature Biotechnology</i> , 2009 , 27, 735-41	44.5	651
157	Statistical methods for analysis of high-throughput RNA interference screens. <i>Nature Methods</i> , 2009 , 6, 569-75	21.6	442
156	Promoting coherent minimum reporting guidelines for biological and biomedical investigations: the MIBBI project. <i>Nature Biotechnology</i> , 2008 , 26, 889-96	44.5	417
155	Synaptic NMDA receptor activity boosts intrinsic antioxidant defenses. <i>Nature Neuroscience</i> , 2008 , 11, 476-87	25.5	405
154	Human cytomegalovirus inhibits antigen presentation by a sequential multistep process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 10990-5	11.5	313
153	High-resolution gene expression profiling for simultaneous kinetic parameter analysis of RNA synthesis and decay. <i>Rna</i> , 2008 , 14, 1959-72	5.8	297
152	Hijacking and exploitation of IL-10 by intracellular pathogens. <i>Trends in Microbiology</i> , 2001 , 9, 86-92	12.4	260
151	The transcription factor STAT-1 couples macrophage synthesis of 25-hydroxycholesterol to the interferon antiviral response. <i>Immunity</i> , 2013 , 38, 106-18	32.3	258
150	Complete genome sequence and lytic phase transcription profile of a Coccolithovirus. <i>Science</i> , 2005 , 309, 1090-2	33.3	229
149	DNA microarrays of the complex human cytomegalovirus genome: profiling kinetic class with drug sensitivity of viral gene expression. <i>Journal of Virology</i> , 1999 , 73, 5757-66	6.6	212
148	Host defense against viral infection involves interferon mediated down-regulation of sterol biosynthesis. <i>PLoS Biology</i> , 2011 , 9, e1000598	9.7	181
147	STAT2 deficiency and susceptibility to viral illness in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 3053-8	11.5	157
146	Impaired immunoproteasome assembly and immune responses in PA28 ^{-/-} mice. <i>Science</i> , 1999 , 286, 2162-5	35.3	155
145	Defective interleukin (IL)-18-mediated natural killer and T helper cell type 1 responses in IL-1 receptor-associated kinase (IRAK)-deficient mice. <i>Journal of Experimental Medicine</i> , 1999 , 189, 1129-38	16.6	140
144	Global analysis of herpes simplex virus type 1 transcription using an oligonucleotide-based DNA microarray. <i>Journal of Virology</i> , 2000 , 74, 9916-27	6.6	131
143	Annexation of the interchromosomal space during viral infection. <i>Nature Cell Biology</i> , 2000 , 2, 661-5	23.4	124
142	Prostaglandin E ₂ constrains systemic inflammation through an innate lymphoid cell-IL-22 axis. <i>Science</i> , 2016 , 351, 1333-8	33.3	111

141	Transcriptome profile of murine gammaherpesvirus-68 lytic infection. <i>Journal of General Virology</i> , 2003 , 84, 99-109	4.9	109
140	Lymphotoxins and cytomegalovirus cooperatively induce interferon-beta, establishing host-virus dependence. <i>Immunity</i> , 2001 , 15, 617-26	32.3	86
139	High-throughput sequence analysis of variants of human cytomegalovirus strains Towne and AD169. <i>Journal of General Virology</i> , 2009 , 90, 2375-2380	4.9	86
138	Combined agonist-antagonist genome-wide functional screening identifies broadly active antiviral microRNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 13830-5	11.5	85
137	Identification of a human neonatal immune-metabolic network associated with bacterial infection. <i>Nature Communications</i> , 2014 , 5, 4649	17.4	84
136	The major immediate-early gene ie3 of mouse cytomegalovirus is essential for viral growth. <i>Journal of Virology</i> , 2000 , 74, 11129-36	6.6	82
135	Corrigendum for the paper Digital clocks: simple Boolean models can quantitatively describe circadian systems. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 3578-3578	4.1	78
134	Discrete clusters of virus-encoded microRNAs are associated with complementary strands of the genome and the 7.2-kilobase stable intron in murine cytomegalovirus. <i>Journal of Virology</i> , 2007 , 81, 13761-70	6.6	76
133	Development of immunosensors for direct detection of three wound infection biomarkers at point of care using electrochemical impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 413-8	11.8	73
132	Rapid antibody responses by low-dose, single-step, dendritic cell-targeted immunization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 847-52	11.5	73
131	Early life response to infection. <i>Current Opinion in Infectious Diseases</i> , 2013 , 26, 213-8	5.4	72
130	A systematic analysis of host factors reveals a Med23-interferon- β -regulatory axis against herpes simplex virus type 1 replication. <i>PLoS Pathogens</i> , 2013 , 9, e1003514	7.6	71
129	Viral mediated redirection of NEMO/IKK β to autophagosomes curtails the inflammatory cascade. <i>PLoS Pathogens</i> , 2012 , 8, e1002517	7.6	71
128	Neutrality of the canonical NF-kappaB-dependent pathway for human and murine cytomegalovirus transcription and replication in vitro. <i>Journal of Virology</i> , 2004 , 78, 741-50	6.6	66
127	Role of opportunistic viral infections in AIDS. <i>Aids</i> , 1990 , 4, 1-10	3.5	66
126	The cholesterol biosynthesis pathway regulates IL-10 expression in human Th1 cells. <i>Nature Communications</i> , 2019 , 10, 498	17.4	62
125	Uterine NK cells regulate endometrial bleeding in women and are suppressed by the progesterone receptor modulator asoprisnil. <i>Journal of Immunology</i> , 2013 , 191, 2226-35	5.3	58
124	The neonatal window of opportunity-early priming for life. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 1212-1214	11.5	56

123	Anti-repression of RNA polymerase II transcription by pyrrole-imidazole polyamides. <i>Biochemistry</i> , 1999 , 38, 10801-7	3.2	53
122	A comprehensive machine-readable view of the mammalian cholesterol biosynthesis pathway. <i>Biochemical Pharmacology</i> , 2013 , 86, 56-66	6	49
121	Digital clocks: simple Boolean models can quantitatively describe circadian systems. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 2365-82	4.1	48
120	A logic-based diagram of signalling pathways central to macrophage activation. <i>BMC Systems Biology</i> , 2008 , 2, 36	3.5	46
119	Soluble-polymer supported synthesis of a prostanoid library: identification of antiviral activity. <i>Organic Letters</i> , 1999 , 1, 1859-62	6.2	46
118	Logic models of pathway biology. <i>Drug Discovery Today</i> , 2008 , 13, 447-56	8.8	44
117	Modelling non-stationary gene regulatory processes with a non-homogeneous Bayesian network and the allocation sampler. <i>Bioinformatics</i> , 2008 , 24, 2071-8	7.2	43
116	Enhancer requirement for murine cytomegalovirus growth and genetic complementation by the human cytomegalovirus enhancer. <i>Journal of Virology</i> , 1998 , 72, 8502-9	6.6	43
115	Locus-specific gene expression pattern suggests a unique propagation strategy for a giant algal virus. <i>Journal of Virology</i> , 2006 , 80, 7699-705	6.6	41
114	Transcriptomal analysis of varicella-zoster virus infection using long oligonucleotide-based microarrays. <i>Journal of General Virology</i> , 2005 , 86, 2673-2684	4.9	39
113	Regulation of the transcription and replication cycle of human cytomegalovirus is insensitive to genetic elimination of the cognate NF-kappaB binding sites in the enhancer. <i>Journal of Virology</i> , 2006 , 80, 9899-904	6.6	37
112	Elimination of ie1 significantly attenuates murine cytomegalovirus virulence but does not alter replicative capacity in cell culture. <i>Journal of Virology</i> , 2005 , 79, 7182-94	6.6	37
111	Impedimetric detection of single-stranded PCR products derived from methicillin resistant <i>Staphylococcus aureus</i> (MRSA) isolates. <i>Biosensors and Bioelectronics</i> , 2012 , 34, 178-84	11.8	36
110	Electrodeposition of platinum metal on TiN thin films. <i>Electrochemistry Communications</i> , 2005 , 7, 125-129	3.1	36
109	General and specific alterations in programming of global viral gene expression during infection by VP16 activation-deficient mutants of herpes simplex virus type 1. <i>Journal of Virology</i> , 2002 , 76, 12758-74	6.6	36
108	Cytomegalovirus-Specific IL-10-Producing CD4+ T Cells Are Governed by Type-I IFN-Induced IL-27 and Promote Virus Persistence. <i>PLoS Pathogens</i> , 2016 , 12, e1006050	7.6	35
107	Fluorescence lifetime imaging of quantum dot labeled DNA microarrays. <i>International Journal of Molecular Sciences</i> , 2009 , 10, 1930-41	6.3	34
106	HBLAST: Parallelised sequence similarity--A Hadoop MapReducable basic local alignment search tool. <i>Journal of Biomedical Informatics</i> , 2015 , 54, 58-64	10.2	33

105	An Interferon Regulated MicroRNA Provides Broad Cell-Intrinsic Antiviral Immunity through Multihit Host-Directed Targeting of the Sterol Pathway. <i>PLoS Biology</i> , 2016 , 14, e1002364	9.7	33
104	Human cytomegalovirus UL7, a homologue of the SLAM-family receptor CD229, impairs cytokine production. <i>Immunology and Cell Biology</i> , 2011 , 89, 753-66	5	32
103	Construction of a large scale integrated map of macrophage pathogen recognition and effector systems. <i>BMC Systems Biology</i> , 2010 , 4, 63	3.5	32
102	An essential role of the enhancer for murine cytomegalovirus in vivo growth and pathogenesis. <i>Journal of Virology</i> , 2003 , 77, 3217-28	6.6	31
101	Transcription Factors and Viral Regulatory Proteins as Potential Mediators of Human Cytomegalovirus Pathogenesis. <i>Frontiers of Virology</i> , 1993 , 360-383		31
100	Interactions between cellular regulatory proteins and a unique sequence region in the human cytomegalovirus major immediate-early promoter. <i>Virology</i> , 1990 , 174, 18-25	3.6	30
99	Inhibition of the association of RNA polymerase II with the preinitiation complex by a viral transcriptional repressor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 2570-5	11.5	29
98	Immune oxysterols: Role in mycobacterial infection and inflammation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017 , 169, 152-163	5.1	28
97	A model of flux regulation in the cholesterol biosynthesis pathway: Immune mediated graduated flux reduction versus statin-like led stepped flux reduction. <i>Biochimie</i> , 2013 , 95, 613-21	4.6	28
96	The activator protein 1 binding motifs within the human cytomegalovirus major immediate-early enhancer are functionally redundant and act in a cooperative manner with the NF- κ B sites during acute infection. <i>Journal of Virology</i> , 2011 , 85, 1732-46	6.6	28
95	Cell interaction microarray for blood phenotyping. <i>Analytical Chemistry</i> , 2006 , 78, 1930-8	7.8	28
94	In vivo transduction of photoreceptors or ciliary body by intravitreal injection of pseudotyped adenoviral vectors. <i>Molecular Therapy</i> , 2003 , 7, 27-34	11.7	28
93	Virogenomics: a novel approach to antiviral drug discovery. <i>Drug Discovery Today</i> , 2001 , 6, 621-627	8.8	27
92	Reversible inhibition of murine cytomegalovirus replication by gamma interferon (IFN- γ) in primary macrophages involves a primed type I IFN-signaling subnetwork for full establishment of an immediate-early antiviral state. <i>Journal of Virology</i> , 2011 , 85, 10286-99	6.6	25
91	Rapid proteasomal elimination of 3-hydroxy-3-methylglutaryl-CoA reductase by interferon- γ in primary macrophages requires endogenous 25-hydroxycholesterol synthesis. <i>Steroids</i> , 2015 , 99, 219-29	2.8	24
90	Whole blood gene expression profiling of neonates with confirmed bacterial sepsis. <i>Genomics Data</i> , 2015 , 3, 41-8		24
89	Temporal profiling of the coding and noncoding murine cytomegalovirus transcriptomes. <i>Journal of Virology</i> , 2011 , 85, 6065-76	6.6	24
88	Recognition of DNA by Synthetic Antibodies. <i>Journal of the American Chemical Society</i> , 1994 , 116, 2161-2162	16.2	24

87	Sex-Differential Non-Vaccine-Specific Immunological Effects of Diphtheria-Tetanus-Pertussis and Measles Vaccination. <i>Clinical Infectious Diseases</i> , 2016 , 63, 1213-1226	11.6	24
86	SPRINT: a new parallel framework for R. <i>BMC Bioinformatics</i> , 2008 , 9, 558	3.6	23
85	Phenotypes of major immediate-early gene mutants of mouse cytomegalovirus. <i>Medical Microbiology and Immunology</i> , 2008 , 197, 233-40	4	22
84	The Pathway Editor: A tool for managing complex biological networks. <i>IBM Journal of Research and Development</i> , 2006 , 50, 561-573	2.5	22
83	Gene expression profiling of mid to late secretory phase endometrial biopsies from women with menstrual complaint. <i>American Journal of Obstetrics and Gynecology</i> , 2006 , 195, 406.e1-16	6.4	22
82	A loss of function analysis of host factors influencing Vaccinia virus replication by RNA interference. <i>PLoS ONE</i> , 2014 , 9, e98431	3.7	22
81	Ligand induction of retinoic acid receptors alters an acute infection by murine cytomegalovirus. <i>Journal of Virology</i> , 1998 , 72, 4589-600	6.6	21
80	DNA nanoswitch as a biosensor. <i>Analytical Chemistry</i> , 2007 , 79, 4724-8	7.8	20
79	Electrochemical deposition of Zn on TiN microelectrode arrays for microanodes. <i>Electrochemistry Communications</i> , 2007 , 9, 303-309	5.1	20
78	Identification of a boundary domain adjacent to the potent human cytomegalovirus enhancer that represses transcription of the divergent UL127 promoter. <i>Journal of Virology</i> , 2000 , 74, 2826-39	6.6	20
77	Evolutionary amplification of a pseudogene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985 , 82, 4182-5	11.5	20
76	A multiplexed protein microarray for the simultaneous serodiagnosis of human immunodeficiency virus/hepatitis C virus infection and typing of whole blood. <i>Analytical Biochemistry</i> , 2008 , 382, 9-15	3.1	19
75	Immune checkpoints in viral latency. <i>Annual Review of Microbiology</i> , 2001 , 55, 531-60	17.5	19
74	Practical approaches to long oligonucleotide-based DNA microarray: lessons from herpesviruses. <i>Progress in Molecular Biology and Translational Science</i> , 2002 , 71, 445-91		19
73	Microbial exposure drives polyclonal expansion of innate $\gamma\delta$ T cells immediately after birth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 18649-18660	11.5	19
72	Combined genome-wide expression profiling and targeted RNA interference in primary mouse macrophages reveals perturbation of transcriptional networks associated with interferon signalling. <i>BMC Genomics</i> , 2009 , 10, 372	4.5	18
71	Intraspecific evolution of a gene family coding for urinary proteins. <i>Journal of Molecular Evolution</i> , 1989 , 29, 302-13	3.1	18
70	Interferon Control of the Sterol Metabolic Network: Bidirectional Molecular Circuitry-Mediating Host Protection. <i>Frontiers in Immunology</i> , 2016 , 7, 634	8.4	18

69	The mEPN scheme: an intuitive and flexible graphical system for rendering biological pathways. <i>BMC Systems Biology</i> , 2010 , 4, 65	3.5	17
68	Cell-specific activity of the human immunodeficiency virus enhancer repeat in vitro. <i>AIDS Research and Human Retroviruses</i> , 1988 , 4, 381-91	1.6	17
67	Purine metabolism controls innate lymphoid cell function and protects against intestinal injury. <i>Immunology and Cell Biology</i> , 2018 , 96, 1049-1059	5	17
66	Transcriptional responses of murine macrophages to the adenylate cyclase toxin of <i>Bordetella pertussis</i> . <i>Microbial Pathogenesis</i> , 2008 , 44, 61-70	3.8	16
65	Detection of single nucleotide polymorphisms using a DNA Holliday junction nanoswitch--a high-throughput fluorescence lifetime assay. <i>Molecular BioSystems</i> , 2010 , 6, 386-90		15
64	Viruses: hostages to the cell. <i>Virology</i> , 2000 , 275, 233-7	3.6	15
63	Viral enhancer mimicry of host innate-immune promoters. <i>PLoS Pathogens</i> , 2014 , 10, e1003804	7.6	14
62	Deciphering the modulation of gene expression by type I and II interferons combining 4sU-tagging, translational arrest and in silico promoter analysis. <i>Nucleic Acids Research</i> , 2013 , 41, 8107-25	20.1	14
61	A Graphical Notation to Describe the Logical Interactions of Biological Pathways. <i>Journal of Integrative Bioinformatics</i> , 2006 , 3, 177-187	3.8	14
60	Dominance of virus over host factors in cross-species activation of human cytomegalovirus early gene expression. <i>Journal of Virology</i> , 2001 , 75, 26-35	6.6	14
59	Use of logic theory in understanding regulatory pathway signaling in response to infection. <i>Future Microbiology</i> , 2010 , 5, 163-76	2.9	13
58	Solution state hybridization detection using time-resolved fluorescence anisotropy of quantum dot-DNA bioconjugates. <i>Chemical Physics Letters</i> , 2010 , 484, 309-314	2.5	13
57	CD200 receptor restriction of myeloid cell responses antagonizes antiviral immunity and facilitates cytomegalovirus persistence within mucosal tissue. <i>PLoS Pathogens</i> , 2015 , 11, e1004641	7.6	12
56	Nanoinformatics: developing new computing applications for nanomedicine. <i>Computing (Vienna/New York)</i> , 2012 , 94, 521-539	2.2	12
55	Metabolic Regulators Nampt and Sirt6 Serially Participate in the Macrophage Interferon Antiviral Cascade. <i>Frontiers in Microbiology</i> , 2019 , 10, 355	5.7	11
54	Fast DNA and protein microarray tests for the diagnosis of hepatitis C virus infection on a single platform. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 2549-59	4.4	11
53	Multi-factorial analysis of class prediction error: estimating optimal number of biomarkers for various classification rules. <i>Journal of Bioinformatics and Computational Biology</i> , 2010 , 8, 945-65	1	11
52	Quantitative assessment of human whole blood RNA as a potential biomarker for infectious disease. <i>Analyst, The</i> , 2007 , 132, 1200-9	5	11

51	Artificial intelligence and robotics in high throughput post-genomics. <i>Drug Discovery Today</i> , 2005 , 10, 1253-9	8.8	11
50	Recognition properties of a sequence-specific DNA binding antibody. <i>Biochemistry</i> , 1998 , 37, 6015-22	3.2	11
49	Infection homeostasis: implications for therapeutic and immune programming of metabolism in controlling infection. <i>Medical Microbiology and Immunology</i> , 2015 , 204, 395-407	4	10
48	Is systems pharmacology ready to impact upon therapy development? A study on the cholesterol biosynthesis pathway. <i>British Journal of Pharmacology</i> , 2017 , 174, 4362-4382	8.6	10
47	Genome-wide reduction in transcriptomal profiles of varicella-zoster virus vaccine strains compared with parental Oka strain using long oligonucleotide microarrays. <i>Virus Genes</i> , 2009 , 38, 19-29	2.3	10
46	Biochip sensors for the rapid and sensitive detection of viral disease. <i>Genome Biology</i> , 2005 , 6, 112	18.3	10
45	Pulmonary epithelial barrier and immunological functions at birth and in early life - key determinants of the development of asthma? A description of the protocol for the Breathing Together study. <i>Wellcome Open Research</i> , 2018 , 3, 60	4.8	10
44	The mouse cytomegalovirus immediate-early 1 gene is not required for establishment of latency or for reactivation in the lungs. <i>Journal of Virology</i> , 2009 , 83, 4030-8	6.6	9
43	Ablation of the regulatory IE1 protein of murine cytomegalovirus alters in vivo pro-inflammatory TNF-alpha production during acute infection. <i>PLoS Pathogens</i> , 2012 , 8, e1002901	7.6	9
42	Molecular profiling of the human testis reveals stringent pathway-specific regulation of RNA expression following gonadotropin suppression and progestogen treatment. <i>Journal of Andrology</i> , 2008 , 29, 389-403		9
41	Improved silicon nitride surfaces for next-generation microarrays. <i>Langmuir</i> , 2006 , 22, 11400-4	4	9
40	Principles of homeostasis in governing virus activation and latency. <i>Immunologic Research</i> , 2000 , 21, 219-23	7.3	9
39	Meta-Analysis Identification of Highly Robust and Differential Immune-Metabolic Signatures of Systemic Host Response to Acute and Latent Tuberculosis in Children and Adults. <i>Frontiers in Genetics</i> , 2018 , 9, 457	4.5	9
38	Comparative primary paediatric nasal epithelial cell culture differentiation and RSV-induced cytopathogenesis following culture in two commercial media. <i>PLoS ONE</i> , 2020 , 15, e0228229	3.7	8
37	Parallel classification and feature selection in microarray data using SPRINT. <i>Concurrency Computation Practice and Experience</i> , 2014 , 26, 854-865	1.4	8
36	Transplantation of a 17-amino acid alpha-helical DNA-binding domain into an antibody molecule confers sequence-dependent DNA recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 5214-8	11.5	8
35	Evolutionary Origin of the Interferon-Immune Metabolic Axis: The Sterol-Vitamin D Link. <i>Frontiers in Immunology</i> , 2017 , 8, 62	8.4	7
34	Vitamin A Regulation of Viral Growth. <i>Reviews in Medical Virology</i> , 1997 , 7, 21-34	11.7	7

33	Genomic Programming of Human Neonatal Dendritic Cells in Congenital Systemic and Cytomegalovirus Infection Reveal Plastic and Robust Immune Pathway Biology Responses. <i>Frontiers in Immunology</i> , 2017 , 8, 1146	8.4	6
32	Enhancerless cytomegalovirus is capable of establishing a low-level maintenance infection in severely immunodeficient host tissues but fails in exponential growth. <i>Journal of Virology</i> , 2010 , 84, 6254-61	6.6	6
31	Peptide-tags for enhanced DNA microarray performance. <i>Faraday Discussions</i> , 2011 , 149, 201-10; discussion 227-45	3.6	6
30	In vivo competence of murine cytomegalovirus under the control of the human cytomegalovirus major immediate-early enhancer in the establishment of latency and reactivation. <i>Journal of Virology</i> , 2008 , 82, 10302-7	6.6	6
29	Regulation and feedback of cholesterol metabolism. <i>Nature Precedings</i> , 2011 ,		5
28	Extending signaling pathways with protein-interaction networks. Application to apoptosis. <i>OMICS A Journal of Integrative Biology</i> , 2012 , 16, 245-56	3.8	5
27	A temporal gate for viral enhancers to co-opt Toll-like-receptor transcriptional activation pathways upon acute infection. <i>PLoS Pathogens</i> , 2015 , 11, e1004737	7.6	3
26	Exploiting parallel R in the cloud with SPRINT. <i>Methods of Information in Medicine</i> , 2013 , 52, 80-90	1.5	3
25	Optimization of a parallel permutation testing function for the SPRINT R package. <i>Concurrency Computation Practice and Experience</i> , 2011 , 23, 2258-2268	1.4	3
24	A DNA nanoswitch incorporating the fluorescent base analogue 2-aminopurine detects single nucleotide mismatches in unlabelled targets. <i>Analyst, The</i> , 2009 , 134, 1873-9	5	3
23	Inferring Boolean networks with perturbation from sparse gene expression data: a general model applied to the interferon regulatory network. <i>Molecular BioSystems</i> , 2008 , 4, 1024-30		3
22	Estimation of expression levels in spotted microarrays with saturated pixels. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2007 , 6, Article34	1.2	3
21	Oxylipin metabolism is controlled by mitochondrial oxidation during bacterial inflammation.. <i>Nature Communications</i> , 2022 , 13, 139	17.4	3
20	Practical Approaches to the Development of Biomedical Informatics: the INFOBIOMED Network of Excellence. <i>Studies in Health Technology and Informatics</i> , 2005 , 116, 39-44	0.5	3
19	Assessment of transcriptomal analysis of Varicella-Zoster-virus gene expression in patients with and without post-herpetic neuralgia. <i>Virus Genes</i> , 2010 , 41, 192-201	2.3	2
18	Base pair mismatch identification with DNA nanoswitch and long lifetime acridine fluorophore. <i>Sensors and Actuators B: Chemical</i> , 2010 , 148, 342-346	8.5	2
17	Translation from the Quantified Implicit Process Flow Abstraction in SBGN-PD Diagrams to Bio-PEPA Illustrated on the Cholesterol Pathway. <i>Lecture Notes in Computer Science</i> , 2011 , 13-38	0.9	2
16	Sepsis target validation for repurposing and combining complement and immune checkpoint inhibition therapeutics. <i>Expert Opinion on Drug Discovery</i> , 2021 , 16, 537-551	6.2	2

15	Bait-and-Switch Molecular Recognition in Nucleic Acid Sensors: Time-Resolved Fluorescence, Single Nucleotide Polymorphism Detection 2009 ,		1
14	Inference of transition probabilities between the attractors in Boolean networks with perturbation 2009 ,		1
13	Evaluation of a protein microarray method for immuno-typing erythrocytes in whole blood. <i>Journal of Immunoassay and Immunochemistry</i> , 2008 , 29, 197-209	1.8	1
12	Meeting review: Bioinformatics of biochips: accelerating discovery in functional genomics. <i>Comparative and Functional Genomics</i> , 2002 , 3, 380-6		1
11	Global health systems' data science approach for precision diagnosis of sepsis in early life.. <i>Lancet Infectious Diseases, The</i> , 2021 ,	25.5	1
10	Early life inter-kingdom interactions shape the immunological environment of the airways.. <i>Microbiome</i> , 2022 , 10, 34	16.6	o
9	nSeP: immune and metabolic biomarkers for early detection of neonatal sepsis protocol for a prospective multicohort study. <i>BMJ Open</i> , 2021 , 11, e050100	3	o
8	Challenging molecular dogmas in human sepsis using mathematical reasoning.. <i>EBioMedicine</i> , 2022 , 80, 104031	8.8	o
7	Time-lapse ultrashort pulse microscopy of infection in three-dimensional versus two-dimensional culture environments reveals enhanced extra-chromosomal virus replication compartment formation. <i>Journal of Biomedical Optics</i> , 2013 , 18, 031111	3.5	
6	Pathway Biology Approach to Medicine 2009 , 1-10		
5	Comparative primary paediatric nasal epithelial cell culture differentiation and RSV-induced cytopathogenesis following culture in two commercial media 2020 , 15, e0228229		
4	Comparative primary paediatric nasal epithelial cell culture differentiation and RSV-induced cytopathogenesis following culture in two commercial media 2020 , 15, e0228229		
3	Comparative primary paediatric nasal epithelial cell culture differentiation and RSV-induced cytopathogenesis following culture in two commercial media 2020 , 15, e0228229		
2	Comparative primary paediatric nasal epithelial cell culture differentiation and RSV-induced cytopathogenesis following culture in two commercial media 2020 , 15, e0228229		
1	HMOX1 genetic polymorphisms and outcomes in infectious disease: A systematic review.. <i>PLoS ONE</i> , 2022 , 17, e0267399	3.7	