Michael P Gantier

List of Publications by Year
in descending order

76	4,542	145106	120465
papers	citations	33 h-index	65 g-index

97	97	97	10722
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TDP-43 Triggers Mitochondrial DNA Release via mPTP to Activate cGAS/STING in ALS. Cell, 2020, 183, 636-649.e18.	13.5	453
2	Analysis of microRNA turnover in mammalian cells following Dicer1 ablation. Nucleic Acids Research, 2011, 39, 5692-5703.	6.5	361
3	IL-37 requires the receptors IL-18Rî± and IL-1R8 (SIGIRR) to carry out its multifaceted anti-inflammatory program upon innate signal transduction. Nature Immunology, 2015, 16, 354-365.	7.0	352
4	The Immune Receptor NOD1 and Kinase RIP2 Interact with Bacterial Peptidoglycan on Early Endosomes to Promote Autophagy and Inflammatory Signaling. Cell Host and Microbe, 2014, 15, 623-635.	5.1	249
5	The response of mammalian cells to double-stranded RNA. Cytokine and Growth Factor Reviews, 2007, 18, 363-371.	3.2	217
6	TLR7 gain-of-function genetic variation causes human lupus. Nature, 2022, 605, 349-356.	13.7	208
7	A miR-19 regulon that controls NF-Î²B signaling. Nucleic Acids Research, 2012, 40, 8048-8058.	6.5	167
8	TLR7 Is Involved in Sequence-Specific Sensing of Single-Stranded RNAs in Human Macrophages. Journal of Immunology, 2008, 180, 2117-2124.	0.4	145
9	A guide to miRNAs in inflammation and innate immune responses. FEBS Journal, 2018, 285, 3695-3716.	2.2	141
10	Cancer stem cell targeted therapy: progress amid controversies. Oncotarget, 2015, 6, 44191-44206.	0.8	129
11	Dual regulation of macrophage migration inhibitory factor (MIF) expression in hypoxia by CREB and HIF-1. Biochemical and Biophysical Research Communications, 2006, 347, 895-903.	1.0	119
12	Human Blastocyst Secreted microRNA Regulate Endometrial Epithelial Cell Adhesion. EBioMedicine, 2015, 2, 1528-1535.	2.7	105
13	Fineâ€tuning of the innate immune response by microRNAs. Immunology and Cell Biology, 2007, 85, 458-462.	1.0	99
14	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.	1.6	98
15	EpCAM Aptamer-mediated Survivin Silencing Sensitized Cancer Stem Cells to Doxorubicin in a Breast Cancer Model. Theranostics, 2015, 5, 1456-1472.	4.6	84
16	Challenges and opportunities for siRNA-based cancer treatment. Cancer Letters, 2017, 387, 77-83.	3.2	82
17	New Perspectives in MicroRNA Regulation of Innate Immunity. Journal of Interferon and Cytokine Research, 2010, 30, 283-289.	0.5	75
18	Genetic modulation of TLR8 response following bacterial phagocytosis. Human Mutation, 2010, 31, 1069-1079.	1.1	67

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19	Rational Design of Immunostimulatory siRNAs. Molecular Therapy, 2010, 18, 785-795.	3.7	66
20	Naturally existing isoforms of miR-222 have distinct functions. Nucleic Acids Research, 2017, 45, 11371-11385.	6.5	61
21	Identification of a histone family gene signature for predicting the prognosis of cervical cancer patients. Scientific Reports, 2017, 7, 16495.	1.6	58
22	Promotion of Hendra Virus Replication by MicroRNA 146a. Journal of Virology, 2013, 87, 3782-3791.	1.5	54
23	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.	3.3	54
24	The use of miRNA microarrays for the analysis of cancer samples with global miRNA decrease. Rna, 2013, 19, 876-888.	1.6	52
25	Determinants of Cytokine Induction by Small Interfering RNA in Human Peripheral Blood Mononuclear Cells. Journal of Interferon and Cytokine Research, 2008, 28, 221-233.	0.5	50
26	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.	1.6	50
27	siRNAâ€induced immunostimulation through TLR7 promotes antitumoral activity against HPVâ€driven tumors in vivo. Immunology and Cell Biology, 2012, 90, 187-196.	1.0	44
28	Cre-dependent DNA recombination activates a STING-dependent innate immune response. Nucleic Acids Research, 2016, 44, 5356-5364.	6.5	44
29	Connexin-Dependent Transfer of cGAMP to Phagocytes Modulates Antiviral Responses. MBio, 2020, 11, .	1.8	44
30	cGAS-STING Activation in the Tumor Microenvironment and Its Role in Cancer Immunity. Advances in Experimental Medicine and Biology, 2017, 1024, 175-194.	0.8	43
31	Deficiency in coatomer complex I causes aberrant activation of STING signalling. Nature Communications, 2022, 13, 2321.	5.8	43
32	PAPPA2 is increased in severe early onset pre-eclampsia and upregulated with hypoxia. Reproduction, Fertility and Development, 2014, 26, 351.	0.1	39
33	Sequence-dependent off-target inhibition of TLR7/8 sensing by synthetic microRNA inhibitors. Nucleic Acids Research, 2015, 43, 1177-1188.	6.5	39
34	Human Toll-Like Receptor 8 Can Be Cool Too: Implications for Foreign RNA Sensing. Journal of Interferon and Cytokine Research, 2012, 32, 350-361.	0.5	38
35	Activation of cGAS-dependent antiviral responses by DNA intercalating agents. Nucleic Acids Research, 2017, 45, 198-205.	6.5	36
36	The not-so-neutral role of microRNAs in neutrophil biology. Journal of Leukocyte Biology, 2013, 94, 575-583.	1.5	34

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37	Small Interfering RNAs Induce Macrophage Migration Inhibitory Factor Production and Proliferation in Breast Cancer Cells via a Double-Stranded RNA-Dependent Protein Kinase-Dependent Mechanism. Journal of Immunology, 2008, 180, 7125-7133.	0.4	32
38	PD-L1 expression is a prognostic factor in subgroups of gastric cancer patients stratified according to their levels ofÂCD8 and FOXP3 immune markers. OncoImmunology, 2018, 7, e1433520.	2.1	31
39	miR-222 isoforms are differentially regulated by type-I interferon. Rna, 2018, 24, 332-341.	1.6	31
40	Topoisomerase 1 Inhibition Promotes Cyclic GMP-AMP Synthase-Dependent Antiviral Responses. MBio, 2017, 8, .	1.8	28
41	X4 and R5 HIV-1 Have Distinct Post-entry Requirements for Uracil DNA Glycosylase during Infection of Primary Cells. Journal of Biological Chemistry, 2010, 285, 18603-18614.	1.6	27
42	Inosine-Mediated Modulation of RNA Sensing by Toll-Like Receptor 7 (TLR7) and TLR8. Journal of Virology, 2014, 88, 799-810.	1.5	27
43	Osteopontin promotes inflammation in patients with acute coronary syndrome through its activity on <scp>IL</scp>â€17 producing cells. European Journal of Immunology, 2012, 42, 2803-2814.	1.6	22
44	IL-10 regulates Aicda expression through miR-155. Journal of Leukocyte Biology, 2015, 97, 71-78.	1.5	20
45	microRNA Decay: Refining microRNA Regulatory Activity. MicroRNA (Shariqah, United Arab Emirates), 2017, 5, 167-174.	0.6	20
46	Imbalanced Frequencies of Th17 and Treg Cells in Acute Coronary Syndromes Are Mediated by IL-6-STAT3 Signaling. PLoS ONE, 2013, 8, e72804.	1.1	20
47	Modified Polyadenylation-Based RT-qPCR Increases Selectivity of Amplification of 3â€²-MicroRNA Isoforms. Frontiers in Genetics, 2018, 9, 11.	1.1	19
48	An Interspecific Nicotiana Hybrid as a Useful and Cost-Effective Platform for Production of Animal Vaccines. PLoS ONE, 2012, 7, e35688.	1.1	19
49	Assessing the Inhibitory Activity of Oligonucleotides on TLR7 Sensing. Methods in Molecular Biology, 2016, 1390, 79-90.	0.4	17
50	miRNA length variation during macrophage stimulation confounds the interpretation of results: implications for miRNA quantification by RT-qPCR. Rna, 2019, 25, 232-238.	1.6	16
51	Dynamic mRNP Remodeling in Response to Internal and External Stimuli. Biomolecules, 2020, 10, 1310.	1.8	16
52	Rational design of antisense oligonucleotides modulating the activity of TLR7/8 agonists. Nucleic Acids Research, 2020, 48, 7052-7065.	6.5	16
53	Sequence-dependent inhibition of cGAS and TLR9 DNA sensing by 2â€²-O-methyl gapmer oligonucleotides. Nucleic Acids Research, 2021, 49, 6082-6099.	6.5	16
54	Monitoring Innate Immune Recruitment by siRNAs in Mammalian Cells. Methods in Molecular Biology, 2010, 623, 21-33.	0.4	16

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55	siRNA delivery not Toll-free. Nature Biotechnology, 2009, 27, 911-912.	9.4	14
56	Necrotic cell death increases the release of macrophage migration inhibitory factor by monocytes/macrophages. Immunology and Cell Biology, 2020, 98, 782-790.	1.0	13
57	Making Sense of Viral RNA Sensing. Molecular Therapy, 2011, 19, 1578-1581.	3.7	10
58	Processing of Double-Stranded RNA in Mammalian Cells: A Direct Antiviral Role?. Journal of Interferon and Cytokine Research, 2014, 34, 469-477.	0.5	10
59	Nuclear Transcription of Long Hairpin RNA Triggers Innate Immune Responses. Journal of Interferon and Cytokine Research, 2007, 27, 789-798.	0.5	9
60	MicroRNA-101-3p Modulates Mitochondrial Metabolism via the Regulation of Complex II Assembly. Journal of Molecular Biology, 2022, 434, 167361.	2.0	9
61	Length does matter for <scp>cGAS</scp>. EMBO Reports, 2017, 18, 1675-1676.	2.0	8
62	Assessing the cGAS-cGAMP-STING Activity of Cancer Cells. Methods in Molecular Biology, 2018, 1725, 257-266.	0.4	8
63	Pharmacological Targeting of STING-Dependent IL-6 Production in Cancer Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 709618.	1.8	8
64	Animal models of <scp>COVID</scp>â€19 hyperâ€inflammation. Respirology, 2021, 26, 222-224.	1.3	7
65	Assessing the Off-Target Effects of miRNA Inhibitors on Innate Immune Toll-Like Receptors. Methods in Molecular Biology, 2017, 1517, 127-135.	0.4	6
66	MicroRNA from a 12-h versus 20-h acetylcysteine infusion for paracetamol overdose. Human and Experimental Toxicology, 2019, 38, 646-654.	1.1	6
67	Strategies for Designing and Validating Immunostimulatory siRNAs. Methods in Molecular Biology, 2013, 942, 179-191.	0.4	5
68	Normalization of Affymetrix miRNA Microarrays for the Analysis of Cancer Samples. Methods in Molecular Biology, 2015, 1375, 1-10.	0.4	5
69	Addressing the liver progenitor cell response and hepatic oxidative stress in experimental non-alcoholic fatty liver disease/non-alcoholic steatohepatitis using amniotic epithelial cells. Stem Cell Research and Therapy, 2021, 12, 429.	2.4	5
70	Xâ€chromosomeâ€encoded micro<scp>RNA</scp>â€19 and â€18 are possible modulators of female immunity. BioEssays, 2013, 35, 671-671.	1.2	3
71	Hepatotoxicity after paracetamol overdose in a patient with cystic fibrosis despite early acetylcysteine and utility of microRNA to predict hepatotoxicity. Clinical Toxicology, 2018, 56, 904-906.	0.8	3
72	The Use of CRISPR/Cas9 Gene Editing to Confirm Congenic Contaminations in Host-Pathogen Interaction Studies. Frontiers in Cellular and Infection Microbiology, 2018, 8, 87.	1.8	3

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73	176. Cytokine, 2014, 70, 70.	1.4	2
74	Making use of transcription factor enrichment to identify functional microRNA-regulons. Computational and Structural Biotechnology Journal, 2021, 19, 4896-4903.	1.9	2
75	Reply. Respirology, 2021, 26, 618-618.	1.3	1
76	Powering on cGAMP mini factories. EMBO Reports, 2021, , e54231.	2.0	0