

Michael P Gantier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8971942/publications.pdf>

Version: 2024-02-01

76
papers

4,542
citations

126907
33
h-index

106344
65
g-index

97
all docs

97
docs citations

97
times ranked

9820
citing authors

#	ARTICLE	IF	CITATIONS
1	TDP-43 Triggers Mitochondrial DNA Release via mPTP to Activate cGAS/STING in ALS. <i>Cell</i> , 2020, 183, 636-649.e18.	28.9	453
2	Analysis of microRNA turnover in mammalian cells following Dicer1 ablation. <i>Nucleic Acids Research</i> , 2011, 39, 5692-5703.	14.5	361
3	IL-37 requires the receptors IL-18R1 and IL-1R8 (SIGIRR) to carry out its multifaceted anti-inflammatory program upon innate signal transduction. <i>Nature Immunology</i> , 2015, 16, 354-365.	14.5	352
4	The Immune Receptor NOD1 and Kinase RIP2 Interact with Bacterial Peptidoglycan on Early Endosomes to Promote Autophagy and Inflammatory Signaling. <i>Cell Host and Microbe</i> , 2014, 15, 623-635.	11.0	249
5	The response of mammalian cells to double-stranded RNA. <i>Cytokine and Growth Factor Reviews</i> , 2007, 18, 363-371.	7.2	217
6	TLR7 gain-of-function genetic variation causes human lupus. <i>Nature</i> , 2022, 605, 349-356.	27.8	208
7	A miR-19 regulon that controls NF- κ B signaling. <i>Nucleic Acids Research</i> , 2012, 40, 8048-8058.	14.5	167
8	TLR7 Is Involved in Sequence-Specific Sensing of Single-Stranded RNAs in Human Macrophages. <i>Journal of Immunology</i> , 2008, 180, 2117-2124.	0.8	145
9	A guide to miRNAs in inflammation and innate immune responses. <i>FEBS Journal</i> , 2018, 285, 3695-3716.	4.7	141
10	Cancer stem cell targeted therapy: progress amid controversies. <i>Oncotarget</i> , 2015, 6, 44191-44206.	1.8	129
11	Dual regulation of macrophage migration inhibitory factor (MIF) expression in hypoxia by CREB and HIF-1. <i>Biochemical and Biophysical Research Communications</i> , 2006, 347, 895-903.	2.1	119
12	Human Blastocyst Secreted microRNA Regulate Endometrial Epithelial Cell Adhesion. <i>EBioMedicine</i> , 2015, 2, 1528-1535.	6.1	105
13	Fine-tuning of the innate immune response by microRNAs. <i>Immunology and Cell Biology</i> , 2007, 85, 458-462.	2.3	99
14	The Role of Ets2 Transcription Factor in the Induction of MicroRNA-155 (miR-155) by Lipopolysaccharide and Its Targeting by Interleukin-10. <i>Journal of Biological Chemistry</i> , 2014, 289, 4316-4325.	3.4	98
15	EpCAM Aptamer-mediated Survivin Silencing Sensitized Cancer Stem Cells to Doxorubicin in a Breast Cancer Model. <i>Theranostics</i> , 2015, 5, 1456-1472.	10.0	84
16	Challenges and opportunities for siRNA-based cancer treatment. <i>Cancer Letters</i> , 2017, 387, 77-83.	7.2	82
17	New Perspectives in MicroRNA Regulation of Innate Immunity. <i>Journal of Interferon and Cytokine Research</i> , 2010, 30, 283-289.	1.2	75
18	Genetic modulation of TLR8 response following bacterial phagocytosis. <i>Human Mutation</i> , 2010, 31, 1069-1079.	2.5	67

#	ARTICLE	IF	CITATIONS
19	Rational Design of Immunostimulatory siRNAs. <i>Molecular Therapy</i> , 2010, 18, 785-795.	8.2	66
20	Naturally existing isoforms of miR-222 have distinct functions. <i>Nucleic Acids Research</i> , 2017, 45, 11371-11385.	14.5	61
21	Identification of a histone family gene signature for predicting the prognosis of cervical cancer patients. <i>Scientific Reports</i> , 2017, 7, 16495.	3.3	58
22	Promotion of Hendra Virus Replication by MicroRNA 146a. <i>Journal of Virology</i> , 2013, 87, 3782-3791.	3.4	54
23	BTB-ZF transcriptional regulator PLZF modifies chromatin to restrain inflammatory signaling programs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1535-1540.	7.1	54
24	The use of miRNA microarrays for the analysis of cancer samples with global miRNA decrease. <i>Rna</i> , 2013, 19, 876-888.	3.5	52
25	Determinants of Cytokine Induction by Small Interfering RNA in Human Peripheral Blood Mononuclear Cells. <i>Journal of Interferon and Cytokine Research</i> , 2008, 28, 221-233.	1.2	50
26	Integrin-linked Kinase Modulates Lipopolysaccharide- and Helicobacter pylori-induced Nuclear Factor κ B-activated Tumor Necrosis Factor- α Production via Regulation of p65 Serine 536 Phosphorylation. <i>Journal of Biological Chemistry</i> , 2014, 289, 27776-27793.	3.4	50
27	siRNA-induced immunostimulation through TLR7 promotes antitumoral activity against HPV-driven tumors in vivo. <i>Immunology and Cell Biology</i> , 2012, 90, 187-196.	2.3	44
28	Cre-dependent DNA recombination activates a STING-dependent innate immune response. <i>Nucleic Acids Research</i> , 2016, 44, 5356-5364.	14.5	44
29	Connexin-Dependent Transfer of cGAMP to Phagocytes Modulates Antiviral Responses. <i>MBio</i> , 2020, 11, .	4.1	44
30	cGAS-STING Activation in the Tumor Microenvironment and Its Role in Cancer Immunity. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1024, 175-194.	1.6	43
31	Deficiency in coatomer complex I causes aberrant activation of STING signalling. <i>Nature Communications</i> , 2022, 13, 2321.	12.8	43
32	PAPPA2 is increased in severe early onset pre-eclampsia and upregulated with hypoxia. <i>Reproduction, Fertility and Development</i> , 2014, 26, 351.	0.4	39
33	Sequence-dependent off-target inhibition of TLR7/8 sensing by synthetic microRNA inhibitors. <i>Nucleic Acids Research</i> , 2015, 43, 1177-1188.	14.5	39
34	Human Toll-Like Receptor 8 Can Be Cool Too: Implications for Foreign RNA Sensing. <i>Journal of Interferon and Cytokine Research</i> , 2012, 32, 350-361.	1.2	38
35	Activation of cGAS-dependent antiviral responses by DNA intercalating agents. <i>Nucleic Acids Research</i> , 2017, 45, 198-205.	14.5	36
36	The not-so-neutral role of microRNAs in neutrophil biology. <i>Journal of Leukocyte Biology</i> , 2013, 94, 575-583.	3.3	34

#	ARTICLE	IF	CITATIONS
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. <i>Journal of Immunology</i> , 2008, 180, 7125-7133.	0.8	32
38	PD-L1 expression is a prognostic factor in subgroups of gastric cancer patients stratified according to their levels of α CD8 and FOXP3 immune markers. <i>Oncolimmunology</i> , 2018, 7, e1433520.	4.6	31
39	miR-222 isoforms are differentially regulated by type-I interferon. <i>Rna</i> , 2018, 24, 332-341.	3.5	31
40	Topoisomerase 1 Inhibition Promotes Cyclic GMP-AMP Synthase-Dependent Antiviral Responses. <i>MBio</i> , 2017, 8, .	4.1	28
41	X4 and R5 HIV-1 Have Distinct Post-entry Requirements for Uracil DNA Glycosylase during Infection of Primary Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 18603-18614.	3.4	27
42	Inosine-Mediated Modulation of RNA Sensing by Toll-Like Receptor 7 (TLR7) and TLR8. <i>Journal of Virology</i> , 2014, 88, 799-810.	3.4	27
43	Osteopontin promotes inflammation in patients with acute coronary syndrome through its activity on α 17 producing cells. <i>European Journal of Immunology</i> , 2012, 42, 2803-2814.	2.9	22
44	IL-10 regulates <i>Aicda</i> expression through miR-155. <i>Journal of Leukocyte Biology</i> , 2015, 97, 71-78.	3.3	20
45	microRNA Decay: Refining microRNA Regulatory Activity. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2017, 5, 167-174.	1.2	20
46	Imbalanced Frequencies of Th17 and Treg Cells in Acute Coronary Syndromes Are Mediated by IL-6-STAT3 Signaling. <i>PLoS ONE</i> , 2013, 8, e72804.	2.5	20
47	Modified Polyadenylation-Based RT-qPCR Increases Selectivity of Amplification of $3'$ -MicroRNA Isoforms. <i>Frontiers in Genetics</i> , 2018, 9, 11.	2.3	19
48	An Interspecific <i>Nicotiana</i> Hybrid as a Useful and Cost-Effective Platform for Production of Animal Vaccines. <i>PLoS ONE</i> , 2012, 7, e35688.	2.5	19
49	Assessing the Inhibitory Activity of Oligonucleotides on TLR7 Sensing. <i>Methods in Molecular Biology</i> , 2016, 1390, 79-90.	0.9	17
50	miRNA length variation during macrophage stimulation confounds the interpretation of results: implications for miRNA quantification by RT-qPCR. <i>Rna</i> , 2019, 25, 232-238.	3.5	16
51	Dynamic mRNP Remodeling in Response to Internal and External Stimuli. <i>Biomolecules</i> , 2020, 10, 1310.	4.0	16
52	Rational design of antisense oligonucleotides modulating the activity of TLR7/8 agonists. <i>Nucleic Acids Research</i> , 2020, 48, 7052-7065.	14.5	16
53	Sequence-dependent inhibition of cGAS and TLR9 DNA sensing by $2'$ -methyl gapmer oligonucleotides. <i>Nucleic Acids Research</i> , 2021, 49, 6082-6099.	14.5	16
54	Monitoring Innate Immune Recruitment by siRNAs in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2010, 623, 21-33.	0.9	16

#	ARTICLE	IF	CITATIONS
55	siRNA delivery not Toll-free. Nature Biotechnology, 2009, 27, 911-912.	17.5	14
56	Necrotic cell death increases the release of macrophage migration inhibitory factor by monocytes/macrophages. Immunology and Cell Biology, 2020, 98, 782-790.	2.3	13
57	Making Sense of Viral RNA Sensing. Molecular Therapy, 2011, 19, 1578-1581.	8.2	10
58	Processing of Double-Stranded RNA in Mammalian Cells: A Direct Antiviral Role?. Journal of Interferon and Cytokine Research, 2014, 34, 469-477.	1.2	10
59	Nuclear Transcription of Long Hairpin RNA Triggers Innate Immune Responses. Journal of Interferon and Cytokine Research, 2007, 27, 789-798.	1.2	9
60	MicroRNA-101-3p Modulates Mitochondrial Metabolism via the Regulation of Complex II Assembly. Journal of Molecular Biology, 2022, 434, 167361.	4.2	9
61	Length does matter for cGAS. EMBO Reports, 2017, 18, 1675-1676.	4.5	8
62	Assessing the cGAS-cGAMP-STING Activity of Cancer Cells. Methods in Molecular Biology, 2018, 1725, 257-266.	0.9	8
63	Pharmacological Targeting of STING-Dependent IL-6 Production in Cancer Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 709618.	3.7	8
64	Animal models of COVID-19 hyperinflammation. Respiriology, 2021, 26, 222-224.	2.3	7
65	Assessing the Off-Target Effects of miRNA Inhibitors on Innate Immune Toll-Like Receptors. Methods in Molecular Biology, 2017, 1517, 127-135.	0.9	6
66	MicroRNA from a 12-h versus 20-h acetylcysteine infusion for paracetamol overdose. Human and Experimental Toxicology, 2019, 38, 646-654.	2.2	6
67	Strategies for Designing and Validating Immunostimulatory siRNAs. Methods in Molecular Biology, 2013, 942, 179-191.	0.9	5
68	Normalization of Affymetrix miRNA Microarrays for the Analysis of Cancer Samples. Methods in Molecular Biology, 2015, 1375, 1-10.	0.9	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.	5.5	5
70	X-chromosome-encoded microRNA-19 and -18 are possible modulators of female immunity. BioEssays, 2013, 35, 671-671.	2.5	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.	1.9	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.	3.9	3

#	ARTICLE	IF	CITATIONS
73	176. Cytokine, 2014, 70, 70.	3.2	2
74	Making use of transcription factor enrichment to identify functional microRNA-regulons. Computational and Structural Biotechnology Journal, 2021, 19, 4896-4903.	4.1	2
75	Reply. Respirology, 2021, 26, 618-618.	2.3	1
76	Powering on cGAMP mini factories. EMBO Reports, 2021, , e54231.	4.5	0