

# Gioacchino Natoli

## List of Publications by Year in Descending Order

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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.

130  
papers

21,367  
citations

58  
h-index

136  
g-index

136  
ext. papers

24,652  
ext. citations

16.8  
avg, IF

6.93  
L-index

#	Paper	IF	Citations
130	Lower probability and shorter duration of infections after COVID-19 vaccine correlate with anti-SARS-CoV-2 circulating IgGs.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0263014	3.7	1
129	RFX transcription factors control a miR-150/PDAP1 axis that restrains the proliferation of human T cells.. <i>PLoS Biology</i> , <b>2022</b> , 20, e3001538	9.7	1
128	Tumor cell heterogeneity and its transcriptional bases in pancreatic cancer: a tale of two cell types and their many variants. <i>EMBO Journal</i> , <b>2021</b> , 40, e107206	13	4
127	Induction of OCT2 contributes to regulate the gene expression program in human neutrophils activated via TLR8. <i>Cell Reports</i> , <b>2021</b> , 35, 109143	10.6	2
126	Integration of transcriptional and metabolic control in macrophage activation. <i>EMBO Reports</i> , <b>2021</b> , 22, e53251	6.5	2
125	Transcription factors as drivers of distinct pancreatic ductal adenocarcinoma (PDAC) programmes: a role for HNF4A. <i>Gut</i> , <b>2021</b> , 70, 816-817	19.2	
124	A first exon termination checkpoint preferentially suppresses extragenic transcription. <i>Nature Structural and Molecular Biology</i> , <b>2021</b> , 28, 337-346	17.6	5
123	Epithelial memory of inflammation limits tissue damage while promoting pancreatic tumorigenesis. <i>Science</i> , <b>2021</b> , 373, eabj0486	33.3	14
122	A molecular network regulating the proinflammatory phenotype of human memory T lymphocytes. <i>Nature Immunology</i> , <b>2020</b> , 21, 388-399	19.1	23
121	Meta-analysis of diagnostic performance of serological tests for SARS-CoV-2 antibodies up to 25 April 2020 and public health implications. <i>Eurosurveillance</i> , <b>2020</b> , 25,	19.8	40
120	Persistence of Anti-SARS-CoV-2 Antibodies in Non-Hospitalized COVID-19 Convalescent Health Care Workers. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	45
119	Pancreatic Cancer Cells Require the Transcription Factor MYRF to Maintain ER Homeostasis. <i>Developmental Cell</i> , <b>2020</b> , 55, 398-412.e7	10.2	8
118	Tumor-Derived Prostaglandin E2 Promotes p50 NF- $\kappa$ B-Dependent Differentiation of Monocytic MDSCs. <i>Cancer Research</i> , <b>2020</b> , 80, 2874-2888	10.1	42
117	Adaptation and memory in immune responses. <i>Nature Immunology</i> , <b>2019</b> , 20, 783-792	19.1	51
116	Dissection of acute stimulus-inducible nucleosome remodeling in mammalian cells. <i>Genes and Development</i> , <b>2019</b> , 33, 1159-1174	12.6	16
115	Transcriptional repressors as guardians of tissue macrophage identity. <i>EMBO Journal</i> , <b>2019</b> , 38, e103271	13	1
114	WDR5 inhibition halts metastasis dissemination by repressing the mesenchymal phenotype of breast cancer cells. <i>Breast Cancer Research</i> , <b>2019</b> , 21, 123	8.3	14

113	FOXA2 controls the cis-regulatory networks of pancreatic cancer cells in a differentiation grade-specific manner. <i>EMBO Journal</i> , <b>2019</b> , 38, e102161	13	14
112	Big data in IBD: a look into the future. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2019</b> , 16, 312-321	4.2	58
111	PARP14 Controls the Nuclear Accumulation of a Subset of Type I IFN-Inducible Proteins. <i>Journal of Immunology</i> , <b>2018</b> , 200, 2439-2454	5.3	40
110	Co-optation of Tandem DNA Repeats for the Maintenance of Mesenchymal Identity. <i>Cell</i> , <b>2018</b> , 173, 1159-1164	17	14
109	Housekeeping and tissue-specific cis-regulatory elements: Recipes for specificity and recipes for activity. <i>Transcription</i> , <b>2018</b> , 9, 177-181	4.8	2
108	Sustained activation of detoxification pathways promotes liver carcinogenesis in response to chronic bile acid-mediated damage. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007380	6	3
107	Control of inducible gene expression links cohesin to hematopoietic progenitor self-renewal and differentiation. <i>Nature Immunology</i> , <b>2018</b> , 19, 932-941	19.1	103
106	High constitutive activity of a broad panel of housekeeping and tissue-specific -regulatory elements depends on a subset of ETS proteins. <i>Genes and Development</i> , <b>2017</b> , 31, 399-412	12.6	28
105	A shortcut for early macrophage recruitment into tumors by activated oncogenes. <i>Genes and Development</i> , <b>2017</b> , 31, 223-225	12.6	7
104	Understanding Spontaneous Conversion: The Case of the Ly6C Monocyte. <i>Immunity</i> , <b>2017</b> , 46, 764-766	32.3	6
103	Opposing macrophage polarization programs show extensive epigenomic and transcriptional cross-talk. <i>Nature Immunology</i> , <b>2017</b> , 18, 530-540	19.1	111
102	Transcriptional determination and functional specificity of myeloid cells: making sense of diversity. <i>Nature Reviews Immunology</i> , <b>2017</b> , 17, 595-607	36.5	41
101	Mutual epithelium-macrophage dependency in liver carcinogenesis mediated by ST18. <i>Hepatology</i> , <b>2017</b> , 65, 1708-1719	11.2	13
100	Specificity and Function of IRF Family Transcription Factors: Insights from Genomics. <i>Journal of Interferon and Cytokine Research</i> , <b>2016</b> , 36, 462-9	3.5	21
99	Dissection of transcriptional and cis-regulatory control of differentiation in human pancreatic cancer. <i>EMBO Journal</i> , <b>2016</b> , 35, 595-617	13	82
98	Molecular control of activation and priming in macrophages. <i>Nature Immunology</i> , <b>2016</b> , 17, 26-33	19.1	286
97	From the Beauty of Genomic Landscapes to the Strength of Transcriptional Mechanisms. <i>Cell</i> , <b>2016</b> , 165, 18-19	56.2	1
96	In Vivo Genetic Screens of Patient-Derived Tumors Revealed Unexpected Frailty of the Transformed Phenotype. <i>Cancer Discovery</i> , <b>2016</b> , 6, 650-63	24.4	45

95	Epigenetic regulation of neutrophil development and function. <i>Seminars in Immunology</i> , <b>2016</b> , 28, 83-93	10.7	29
94	Trained immunity: A program of innate immune memory in health and disease. <i>Science</i> , <b>2016</b> , 352, aaf10983	12.04	
93	TET2 Regulates Mast Cell Differentiation and Proliferation through Catalytic and Non-catalytic Activities. <i>Cell Reports</i> , <b>2016</b> , 15, 1566-1579	10.6	53
92	When antimicrobial peptides hit the wrong target: a novel link between tumour macrophages and cancer stem cells. <i>Gut</i> , <b>2015</b> , 64, 1841-2	19.2	
91	Macrophages and cancer: from mechanisms to therapeutic implications. <i>Trends in Immunology</i> , <b>2015</b> , 36, 229-39	14.4	422
90	CAGE profiling of ncRNAs in hepatocellular carcinoma reveals widespread activation of retroviral LTR promoters in virus-induced tumors. <i>Genome Research</i> , <b>2015</b> , 25, 1812-24	9.7	40
89	Transcription of Mammalian cis-Regulatory Elements Is Restrained by Actively Enforced Early Termination. <i>Molecular Cell</i> , <b>2015</b> , 60, 460-74	17.6	53
88	A dual cis-regulatory code links IRF8 to constitutive and inducible gene expression in macrophages. <i>Genes and Development</i> , <b>2015</b> , 29, 394-408	12.6	75
87	Chromatin remodelling and autocrine TNF $\alpha$ are required for optimal interleukin-6 expression in activated human neutrophils. <i>Nature Communications</i> , <b>2015</b> , 6, 6061	17.4	70
86	Chromatin contributions to the regulation of innate immunity. <i>Annual Review of Immunology</i> , <b>2014</b> , 32, 489-511	34.7	119
85	Coregulation of transcription factor binding and nucleosome occupancy through DNA features of mammalian enhancers. <i>Molecular Cell</i> , <b>2014</b> , 54, 844-857	17.6	142
84	Transcriptional control of inflammatory responses. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2014</b> , 6, a016261	10.2	68
83	Macrophage Activation and Polarization: Nomenclature and Experimental Guidelines. <i>Immunity</i> , <b>2014</b> , 41, 339-340	32.3	41
82	Macrophage activation and polarization: nomenclature and experimental guidelines. <i>Immunity</i> , <b>2014</b> , 41, 14-20	32.3	3249
81	Macrophage activation: glancing into diversity. <i>Immunity</i> , <b>2014</b> , 40, 175-7	32.3	24
80	Two functionally distinct subsets of mast cells discriminated By IL-2-independent CD25 activities. <i>Journal of Immunology</i> , <b>2014</b> , 193, 2196-206	5.3	8
79	Massive gene amplification drives paediatric hepatocellular carcinoma caused by bile salt export pump deficiency. <i>Nature Communications</i> , <b>2014</b> , 5, 3850	17.4	42
78	The Macrophage Epigenome and the Control of Inflammatory Gene Expression. <i>Epigenetics and Human Health</i> , <b>2014</b> , 383-398		

77	The Control of Gene Expression in Macrophages <b>2014</b> , 519-543		
76	Short-term memory of danger signals and environmental stimuli in immune cells. <i>Nature Immunology</i> , <b>2013</b> , 14, 777-84	19.1	59
75	Lineages, cell types and functional states: a genomic view. <i>Current Opinion in Cell Biology</i> , <b>2013</b> , 25, 759-64		27
74	Latent enhancers activated by stimulation in differentiated cells. <i>Cell</i> , <b>2013</b> , 152, 157-71	56.2	552
73	Endogenous retrotransposition activates oncogenic pathways in hepatocellular carcinoma. <i>Cell</i> , <b>2013</b> , 153, 101-11	56.2	291
72	Non-coding transcription at cis-regulatory elements: computational and experimental approaches. <i>Methods</i> , <b>2013</b> , 63, 66-75	4.6	4
71	Deciphering cis-regulatory control in inflammatory cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 368, 20120370	5.8	13
70	Functional genomics of the inflammatory response: where are we now?. <i>Briefings in Functional Genomics</i> , <b>2013</b> , 12, 483-8	4.9	7
69	Cutting edge: An inactive chromatin configuration at the IL-10 locus in human neutrophils. <i>Journal of Immunology</i> , <b>2013</b> , 190, 1921-5	5.3	50
68	NF- $\kappa$ B and chromatin: ten years on the path from basic mechanisms to candidate drugs. <i>Immunological Reviews</i> , <b>2012</b> , 246, 183-92	11.3	51
67	The H3K27 demethylase JMJD3 is required for maintenance of the embryonic respiratory neuronal network, neonatal breathing, and survival. <i>Cell Reports</i> , <b>2012</b> , 2, 1244-58	10.6	77
66	Noncoding transcription at enhancers: general principles and functional models. <i>Annual Review of Genetics</i> , <b>2012</b> , 46, 1-19	14.5	290
65	The histone methyltransferase Wbp7 controls macrophage function through GPI glycolipid anchor synthesis. <i>Immunity</i> , <b>2012</b> , 36, 572-85	32.3	67
64	Transcript dynamics of proinflammatory genes revealed by sequence analysis of subcellular RNA fractions. <i>Cell</i> , <b>2012</b> , 150, 279-90	56.2	338
63	Requirement for the histone deacetylase Hdac3 for the inflammatory gene expression program in macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E2865-74	11.5	242
62	Transcriptional regulation of macrophage polarization: enabling diversity with identity. <i>Nature Reviews Immunology</i> , <b>2011</b> , 11, 750-61	36.5	1366
61	Fish the ChIPs: a pipeline for automated genomic annotation of ChIP-Seq data. <i>Biology Direct</i> , <b>2011</b> , 6, 51	7.2	12
60	Rapamycin-sensitive signals control TCR/CD28-driven Ifng, Il4 and Foxp3 transcription and promoter region methylation. <i>European Journal of Immunology</i> , <b>2011</b> , 41, 2086-96	6.1	15

59	Transcriptional control of macrophage diversity and specialization. <i>European Journal of Immunology</i> , <b>2011</b> , 41, 2486-90	6.1	23
58	Specialized chromatin patterns in the control of inflammatory gene expression. <i>Current Topics in Microbiology and Immunology</i> , <b>2011</b> , 349, 61-72	3.3	11
57	The genomic landscapes of inflammation. <i>Genes and Development</i> , <b>2011</b> , 25, 101-6	12.6	110
56	NF-kappaB: no longer an island, but a piece of a continent. <i>EMBO Reports</i> , <b>2010</b> , 11, 246-8	6.5	5
55	A large fraction of extragenic RNA pol II transcription sites overlap enhancers. <i>PLoS Biology</i> , <b>2010</b> , 8, e1000384	9.7	617
54	Chromatin Mediated Control of Gene Expression in Innate Immunity and Inflammation <b>2010</b> , 2461-2466		
53	Noncooperative interactions between transcription factors and clustered DNA binding sites enable graded transcriptional responses to environmental inputs. <i>Molecular Cell</i> , <b>2010</b> , 37, 418-28	17.6	122
52	Identification and characterization of enhancers controlling the inflammatory gene expression program in macrophages. <i>Immunity</i> , <b>2010</b> , 32, 317-28	32.3	497
51	Maintaining cell identity through global control of genomic organization. <i>Immunity</i> , <b>2010</b> , 33, 12-24	32.3	156
50	Tolerance and M2 (alternative) macrophage polarization are related processes orchestrated by p50 nuclear factor kappaB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 14978-83	11.5	452
49	Control of NF-kappaB-dependent transcriptional responses by chromatin organization. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2009</b> , 1, a000224	10.2	78
48	Jmjd3 contributes to the control of gene expression in LPS-activated macrophages. <i>EMBO Journal</i> , <b>2009</b> , 28, 3341-52	13	332
47	Genome-organizing factors Top2 and Hmo1 prevent chromosome fragility at sites of S phase transcription. <i>Cell</i> , <b>2009</b> , 138, 870-84	56.2	92
46	When sirtuins and NF-kappaB collide. <i>Cell</i> , <b>2009</b> , 136, 19-21	56.2	29
45	Two modes of transcriptional activation at native promoters by NF-kappaB p65. <i>PLoS Biology</i> , <b>2009</b> , 7, e73	9.7	52
44	The future therapeutic potential of histone demethylases: A critical analysis. <i>Current Opinion in Drug Discovery &amp; Development</i> , <b>2009</b> , 12, 607-15		14
43	Nuclear ubiquitin ligases, NF-kappaB degradation, and the control of inflammation. <i>Science Signaling</i> , <b>2008</b> , 1, pe1	8.8	88
42	The histone H3 lysine 27-specific demethylase Jmjd3 is required for neural commitment. <i>PLoS ONE</i> , <b>2008</b> , 3, e3034	3.7	159

41	The histone H3 lysine-27 demethylase Jmjd3 links inflammation to inhibition of polycomb-mediated gene silencing. <i>Cell</i> , <b>2007</b> , 130, 1083-94	56.2	722
40	Achieving Transcriptional Specificity in NF- $\kappa$ B-Dependent Inflammatory Gene Expression <b>2006</b> , 39-48		
39	Tuning up inflammation: how DNA sequence and chromatin organization control the induction of inflammatory genes by NF-kappaB. <i>FEBS Letters</i> , <b>2006</b> , 580, 2843-9	3.8	45
38	Plastic downregulation of the transcriptional repressor BCL6 during maturation of human dendritic cells. <i>Experimental Cell Research</i> , <b>2006</b> , 312, 1312-22	4.2	9
37	Shaping alternative NF-kappaB-dependent gene expression programs: new clues to specificity. <i>Cell Death and Differentiation</i> , <b>2006</b> , 13, 693-6	12.7	27
36	A hyper-dynamic equilibrium between promoter-bound and nucleoplasmic dimers controls NF-kappaB-dependent gene activity. <i>EMBO Journal</i> , <b>2006</b> , 25, 798-810	13	175
35	Transcriptional regulation via the NF-kappaB signaling module. <i>Oncogene</i> , <b>2006</b> , 25, 6706-16	9.2	478
34	Interactions of NF-kappaB with chromatin: the art of being at the right place at the right time. <i>Nature Immunology</i> , <b>2005</b> , 6, 439-45	19.1	221
33	Arginine methyltransferase CARM1 is a promoter-specific regulator of NF-kappaB-dependent gene expression. <i>EMBO Journal</i> , <b>2005</b> , 24, 85-96	13	179
32	A c-Rel subdomain responsible for enhanced DNA-binding affinity and selective gene activation. <i>Genes and Development</i> , <b>2005</b> , 19, 2138-51	12.6	92
31	Degradation of promoter-bound p65/RelA is essential for the prompt termination of the nuclear factor kappaB response. <i>Journal of Experimental Medicine</i> , <b>2004</b> , 200, 107-13	16.6	212
30	Little things that count in transcriptional regulation. <i>Cell</i> , <b>2004</b> , 118, 406-8	56.2	13
29	Memory and flexibility of cytokine gene expression as separable properties of human T(H)1 and T(H)2 lymphocytes. <i>Nature Immunology</i> , <b>2003</b> , 4, 78-86	19.1	296
28	Modulation of NF-kappaB activity by exchange of dimers. <i>Molecular Cell</i> , <b>2003</b> , 11, 1563-74	17.6	257
27	p38-Dependent marking of inflammatory genes for increased NF-kappa B recruitment. <i>Nature Immunology</i> , <b>2002</b> , 3, 69-75	19.1	612
26	Dynamic changes in histone H3 Lys 9 methylation occurring at tightly regulated inducible inflammatory genes. <i>Genes and Development</i> , <b>2002</b> , 16, 2219-24	12.6	172
25	Two waves of nuclear factor kappaB recruitment to target promoters. <i>Journal of Experimental Medicine</i> , <b>2001</b> , 193, 1351-9	16.6	342
24	Anti-inflammatory cyclopentenone prostaglandins are direct inhibitors of IkappaB kinase. <i>Nature</i> , <b>2000</b> , 403, 103-8	50.4	1225

23	Inhibition of NF-kappa B activation by arsenite through reaction with a critical cysteine in the activation loop of Ikappa B kinase. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 36062-6	5.4	300
22	IKK-gamma is an essential regulatory subunit of the IkappaB kinase complex. <i>Nature</i> , <b>1998</b> , 395, 297-300	50.4	848
21	Apoptotic, non-apoptotic, and anti-apoptotic pathways of tumor necrosis factor signalling. <i>Biochemical Pharmacology</i> , <b>1998</b> , 56, 915-20	6	129
20	The human toll signaling pathway: divergence of nuclear factor kappaB and JNK/SAPK activation upstream of tumor necrosis factor receptor-associated factor 6 (TRAF6). <i>Journal of Experimental Medicine</i> , <b>1998</b> , 187, 2097-101	16.6	538
19	Nuclear factor kB-independent cytoprotective pathways originating at tumor necrosis factor receptor-associated factor 2. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 31262-72	5.4	91
18	Tumor necrosis factor (TNF) receptor 1 signaling downstream of TNF receptor-associated factor 2. Nuclear factor kappaB (NFkappaB)-inducing kinase requirement for activation of activating protein 1 and NFkappaB but not of c-Jun N-terminal kinase/stress-activated protein kinase. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 21079-82	5.4	94
17	The hepatitis B virus X gene induces p53-mediated programmed cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 8162-7	11.5	183
16	Activation of SAPK/JNK by TNF receptor 1 through a noncytotoxic TRAF2-dependent pathway. <i>Science</i> , <b>1997</b> , 275, 200-3	33.3	421
15	MyoD prevents cyclinA/cdk2 containing E2F complexes formation in terminally differentiated myocytes. <i>Oncogene</i> , <b>1997</b> , 14, 1171-84	9.2	39
14	Reactive oxygen intermediates mediate angiotensin II-induced c-Jun.c-Fos heterodimer DNA binding activity and proliferative hypertrophic responses in myogenic cells. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 22129-34	5.4	98
13	The gene (LGALS3BP) encoding the serum protein 90K, associated with cancer and infection by the human immunodeficiency virus, maps at 17q25. <i>Cytogenetic and Genome Research</i> , <b>1995</b> , 69, 223-5	1.9	10
12	Reactive oxygen intermediates (ROIs) are involved in the intracellular transduction of angiotensin II signal in C2C12 cells. <i>Annals of the New York Academy of Sciences</i> , <b>1995</b> , 752, 394-405	6.5	23
11	Expression of the c-myc protooncogene product in cells infected with the hepatitis delta virus. <i>Hepatology</i> , <b>1994</b> , 20, 1109-1114	11.2	1
10	Intracellular localization of full-length and truncated hepatitis C virus core protein expressed in mammalian cells. <i>Journal of Hepatology</i> , <b>1994</b> , 20, 833-6	13.4	52
9	Hepatitis B virus X gene product acts as a transactivator in vivo. <i>Journal of Hepatology</i> , <b>1994</b> , 21, 103-9	13.4	44
8	The AP1 Transcription Factor as a Model to Study the Modulation of Intracellular Signalling Pathways by the Hepatitis B Virus Transactivator pX <b>1994</b> , 748-752		
7	Characterization of the hepatitis B virus transactivators: a possible direct role of the virus in the development of hepatocellular carcinoma. <i>Journal of Surgical Oncology</i> , <b>1993</b> , 3, 34-6	2.8	1
6	Trans-activation of epidermal growth factor receptor gene by the hepatitis B virus X-gene product. <i>Virology</i> , <b>1993</b> , 196, 878-82	3.6	64



5	Characterization of the hepatitis B virus preS/S region encoded transcriptional transactivator. <i>Virology</i> , <b>1992</b> , 187, 663-70	3.6	36
4	Defective and nondefective adenovirus vectors for expressing foreign genes in vitro and in vivo. <i>Gene</i> , <b>1991</b> , 101, 195-202	3.8	62
3	Antibodies to hepatitis C virus in patients with hepatocellular carcinoma. <i>Journal of Hepatology</i> , <b>1991</b> , 12, 60-3	13.4	55
2	Full-length and truncated versions of the hepatitis B virus (HBV) X protein (pX) transactivate the cmyc protooncogene at the transcriptional level. <i>Biochemical and Biophysical Research Communications</i> , <b>1991</b> , 176, 985-92	3.4	103
1	Persistence of anti-SARS-CoV-2 antibodies in non-hospitalized COVID-19 convalescent health care workers		3