

# Francesco Ria

## List of Publications by Year in descending order

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77  
papers

2,043  
citations

279798

23  
h-index

254184

43  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2698  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of T-cell responses by CNS antigen-presenting cells: different roles for microglia and astrocytes. Trends in Immunology, 2000, 21, 141-147.	7.5	373
2	Relative efficiency of microglia, astrocytes, dendritic cells and B cells in naive CD4+ T cell priming and Th1/Th2 cell restimulation. European Journal of Immunology, 1999, 29, 2705-2714.	2.9	115
3	Th1 cells induce and Th2 inhibit antigen-dependent IL-12 secretion by dendritic cells. European Journal of Immunology, 1998, 28, 2003-2016.	2.9	75
4	Cord Blood Mononuclear Cell Responsiveness to Beta-Lactoglobulin: T-Cell Activity in "Atopy-Prone" and "Non-Atopy-Prone" Newborns. International Archives of Allergy and Immunology, 1994, 104, 358-365.	2.1	72
5	Distinct and Non-Overlapping T Cell Receptor Repertoires Expanded by DNA Vaccination in Wild-Type and HER-2 Transgenic BALB/c Mice. Journal of Immunology, 2006, 177, 7626-7633.	0.8	71
6	Suppression of established experimental autoimmune encephalomyelitis and formation of meningeal lymphoid follicles by lymphotoxin I <sup>2</sup> receptor-Ig fusion protein. Journal of Neuroimmunology, 2006, 179, 76-86.	2.3	68
7	Serum S100B protein as a marker of severity in Covid-19 patients. Scientific Reports, 2020, 10, 18665.	3.3	68
8	Antinuclear Autoantibodies in Women with Recurrent Pregnancy Loss. American Journal of Reproductive Immunology, 2010, 64, 384-392.	1.2	64
9	PE_PGSR33 Contributes to Mycobacterium tuberculosis Entry in Macrophages through Interaction with TLR2. PLoS ONE, 2016, 11, e0150800.	2.5	62
10	Porphyromonas gingivalis and the pathogenesis of rheumatoid arthritis: analysis of various compartments including the synovial tissue. Arthritis Research and Therapy, 2013, 15, R66.	3.5	55
11	Immunomodulation by Gut Microbiota: Role of Toll-Like Receptor Expressed by T Cells. Journal of Immunology Research, 2014, 2014, 1-8.	2.2	55
12	Normal B cells fail to secrete interleukin-12. European Journal of Immunology, 1997, 27, 1632-1639.	2.9	50
13	Surface Expression of MPT64 as a Fusion with the PE Domain of PE_PGSR33 Enhances Mycobacterium bovis BCG Protective Activity against Mycobacterium tuberculosis in Mice. Infection and Immunity, 2010, 78, 5202-5213.	2.2	46
14	House dust mite allergy in Italy "Diagnostic and clinical relevance of Der p 23 (and of minor) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Immunology, 2019, 74, 1787-1789.	5.7	40
15	Collagen-specific T-cell repertoire in blood and synovial fluid varies with disease activity in early rheumatoid arthritis. Arthritis Research and Therapy, 2008, 10, R135.	3.5	39
16	Functional dissection of protein domains involved in the immunomodulatory properties of PE_PGSR33 of Mycobacterium tuberculosis. Pathogens and Disease, 2013, 69, 232-239.	2.0	39
17	Collagen Specific T-Cell Repertoire and HLA-DR Alleles: Biomarkers of Active Refractory Rheumatoid Arthritis. EBioMedicine, 2015, 2, 2037-2045.	6.1	36
18	Expanding the Concept of Diagnostic Reference Levels to Noise and Dose Reference Levels in CT. American Journal of Roentgenology, 2019, 213, 889-894.	2.2	34

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19	Modeling the Ternary Complex TCR-V $\beta$ 2/CollagenII(261-273)/HLA-DR4 Associated with Rheumatoid Arthritis. PLoS ONE, 2010, 5, e11550.	2.5	32
20	Human IgG Antinuclear Antibodies Induce Pregnancy Loss in Mice by Increasing Immune Complex Deposition in Placental Tissue: <i>In Vivo</i> Study. American Journal of Reproductive Immunology, 2015, 74, 542-552.	1.2	29
21	ErbB2 DNA Vaccine Combined with Regulatory T Cell Deletion Enhances Antibody Response and Reveals Latent Low-Avidity T Cells: Potential and Limits of Its Therapeutic Efficacy. Journal of Immunology, 2010, 184, 6124-6132.	0.8	27
22	<i>Mycobacterium smegmatis</i> Expressing a Chimeric Protein MPT64-Proteolipid Protein (PLP) 139-151 Reorganizes the PLP-Specific T Cell Repertoire Favoring a CD8-Mediated Response and Induces a Relapsing Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2010, 184, 222-235.	0.8	26
23	Awareness of medical radiation exposure among patients: A patient survey as a first step for effective communication of ionizing radiation risks. Physica Medica, 2017, 43, 57-62.	0.7	26
24	The S100B Inhibitor Pentamidine Ameliorates Clinical Score and Neuropathology of Relapsing-Remitting Multiple Sclerosis Mouse Model. Cells, 2020, 9, 748.	4.1	26
25	T cell repertoire in DQ5-positive MuSK-positive myasthenia gravis patients. Journal of Autoimmunity, 2014, 52, 113-121.	6.5	24
26	Mycobacterium tuberculosis in the adjuvant modulates the balance of Th immune response to self-antigen of the CNS without influencing a core repertoire of specific T cells. International Immunology, 2006, 18, 363-374.	4.0	23
27	B Cells Present Antigen to CD4+T Cells, but Fail to Produce IL-12 Selective APC for Th2 Cell Development?. Annals of the New York Academy of Sciences, 1997, 815, 401-411.	3.8	21
28	Selection of Similar Naive T Cell Repertoires but Induction of Distinct T Cell Responses by Native and Modified Antigen. Journal of Immunology, 2004, 172, 3447-3453.	0.8	21
29	Synthetic Preimplantation Factor (PIF) prevents fetal loss by modulating LPS induced inflammatory response. PLoS ONE, 2017, 12, e0180642.	2.5	21
30	Toll-Like Receptor 2 Mediates In Vivo Pro- and Anti-inflammatory Effects of Mycobacterium Tuberculosis and Modulates Autoimmune Encephalomyelitis. Frontiers in Immunology, 2016, 7, 191.	4.8	20
31	Growing role of S100B protein as a putative therapeutic target for neurological- and nonneurological-disorders. Neuroscience and Biobehavioral Reviews, 2021, 127, 446-458.	6.1	20
32	Administration of PLP139-151 Primes T Cells Distinct from Those Spontaneously Responsive In Vitro to This Antigen. Journal of Immunology, 2008, 180, 6611-6622.	0.8	19
33	Image noise and dose performance across a clinical population: Patient size adaptation as a metric of CT performance. Medical Physics, 2017, 44, 2141-2147.	3.0	19
34	Alternative splicing of neurexins 3 is modulated by neuroinflammation in the prefrontal cortex of a murine model of multiple sclerosis. Experimental Neurology, 2021, 335, 113497.	4.1	19
35	Impact of pe_pgrs33 Gene Polymorphisms on Mycobacterium tuberculosis Infection and Pathogenesis. Frontiers in Cellular and Infection Microbiology, 2017, 7, 137.	3.9	18
36	Validation of algorithmic CT image quality metrics with preferences of radiologists. Medical Physics, 2019, 46, 4837-4846.	3.0	18

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37	Interleukin and neurotrophin up-regulation correlates with severity of H1N1 infection in children: a caseâ€“control study. <i>International Journal of Infectious Diseases</i> , 2013, 17, e1186-e1193.	3.3	17
38	PIF* promotes brain re-myelination locally while regulating systemic inflammation- clinically relevant multiple sclerosis <i>M.smegmatis</i> model. <i>Oncotarget</i> , 2017, 8, 21834-21851.	1.8	17
39	Comparison of 12 surrogates to characterize CT radiation risk across a clinical population. <i>European Radiology</i> , 2021, 31, 7022-7030.	4.5	16
40	Patient-Informed Organ Dose Estimation in Clinical CT: Implementation and Effective Dose Assessment in 1048 Clinical Patients. <i>American Journal of Roentgenology</i> , 2021, 216, 824-834.	2.2	15
41	Haemophilus parasuis (Glaesserella parasuis) as a Potential Driver of Molecular Mimicry and Inflammation in Rheumatoid Arthritis. <i>Frontiers in Medicine</i> , 2021, 8, 671018.	2.6	15
42	PPE_ MPTR genes are differentially expressed by Mycobacterium tuberculosis inÂvivo. <i>Tuberculosis</i> , 2011, 91, 563-568.	1.9	14
43	S100B Protein as a Therapeutic Target in Multiple Sclerosis: The S100B Inhibitor Arundic Acid Protects from Chronic Experimental Autoimmune Encephalomyelitis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13558.	4.1	14
44	Organ doses and cancer risk assessment in patients exposed to high doses from recurrent CT exams. <i>European Journal of Radiology</i> , 2022, 149, 110224.	2.6	14
45	SMA-miRs (miR-181a-5p, -324-5p, and -451a) are overexpressed in spinal muscular atrophy skeletal muscle and serum samples. <i>ELife</i> , 2021, 10, .	6.0	13
46	M tuberculosis in the Adjuvant Modulates Time of Appearance of CNS-Specific Effector T Cells in the Spleen through a Polymorphic Site of TLR2. <i>PLoS ONE</i> , 2013, 8, e55819.	2.5	12
47	Antitumor immunization of mothers delays tumor development in cancer-prone offspring. <i>Oncolmmunology</i> , 2015, 4, e1005500.	4.6	12
48	Is regulatory compliance enough to ensure excellence in medicine?. <i>Radiologia Medica</i> , 2020, 125, 904-905.	7.7	12
49	Technical Note: Validation of TG 233 phantom methodology to characterize noise and dose in patient CT data. <i>Medical Physics</i> , 2020, 47, 1633-1639.	3.0	12
50	A TLR/CD44 axis regulates T cell trafficking in experimental and human multiple sclerosis. <i>IScience</i> , 2022, 25, 103763.	4.1	12
51	Organ doses from CT localizer radiographs: Development, validation, and application of a Monte Carlo estimation technique. <i>Medical Physics</i> , 2019, 46, 5262-5272.	3.0	11
52	Selective Inhibitors of T Cell Receptor Recognition of Antigenâ€“MHC Complexes for Rheumatoid Arthritis. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 644-649.	2.8	10
53	Statement of the Italian Association of Medical Physics (AIFM) task group on radiation dose monitoring systems. <i>Insights Into Imaging</i> , 2022, 13, 23.	3.4	8
54	A Plasmid Family Containing Two Different Expression Cassettes Suitable for Immunomodulation and Genetic Immunization. <i>Plasmid</i> , 1998, 40, 84-89.	1.4	6

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55	CD8 <sup>+</sup> dendritic cells prime TCR <sup>+</sup> peptide-reactive regulatory CD4 <sup>+</sup> FOXP3 <sup>+</sup> T cells. <i>European Journal of Immunology</i> , 2010, 40, 1906-1915.	2.9	6
56	Low reliability of anti-KIR4.183 <sup>+</sup> 120 peptide auto-antibodies in multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , 2018, 24, 910-918.	3.0	5
57	A database of 40 patient-based computational models for benchmarking organ dose estimates in CT. <i>Medical Physics</i> , 2020, 47, 6562-6566.	3.0	5
58	A comparison of COVID-19 and imaging radiation risk in clinical patient populations. <i>Journal of Radiological Protection</i> , 2020, , .	1.1	5
59	Is Citrullination Required for the Presence of Restricted Clonotypes Reacting With Type II Collagen? Comment on the Article by Chemin et al. <i>Arthritis and Rheumatology</i> , 2016, 68, 2052-2053.	5.6	3
60	Past and Future of the Molecular Characterization of the T Cell Repertoire: Some Highlights of Eli Sercarz's Contributions. <i>Critical Reviews in Immunology</i> , 2020, 40, 249-253.	0.5	3
61	Failure of Presented, Non-Dominant Self Epitope to Induce Tolerance: Implications for Autoimmune Diseases. <i>Immunological Investigations</i> , 1994, 23, 337-346.	2.0	2
62	Modeling rejection immunity. <i>Theoretical Biology and Medical Modelling</i> , 2012, 9, 18.	2.1	2
63	Dose coefficients for organ dosimetry in tomosynthesis imaging of adults and pediatrics across diverse protocols. <i>Medical Physics</i> , 0, , .	3.0	2
64	Size-exclusion high-performance liquid chromatography of immune complexes isolated for patients with acute leukaemia. <i>Biomedical Applications</i> , 1987, 421, 434-436.	1.7	1
65	Chromatographic and electrophoretic studies of immune complexes in non-A, non-B hepatitis. <i>Biomedical Applications</i> , 1988, 426, 55-64.	1.7	1
66	Intracellular bacteria can cause EAE in SJL mice or modify self-specific T cell repertoire. <i>Journal of the Neurological Sciences</i> , 2011, 311, 103-106.	0.6	1
67	Classification of COVID-19 in chest radiographs: assessing the impact of imaging parameters using clinical and simulated images. , 2021, , .		1
68	Risk Assessment and Economic Impact Analysis of the Implementation of New European Legislation on Radiopharmaceuticals in Italy: The Case of the New Monograph Chapter Compounding of Radiopharmaceuticals (PHARMEUROPA, Vol. 23, No. 4, October 2011). <i>Current Radiopharmaceuticals</i> , 2014, 6, 208-214.	0.8	1
69	Antigen Presentation and IL-12 Production by Dendritic Cells in Vivo. <i>Advances in Experimental Medicine and Biology</i> , 1997, 417, 317-321.	1.6	1
70	Modeling Patient-Informed Liver Contrast Perfusion in Contrast-enhanced Computed Tomography. <i>Journal of Computer Assisted Tomography</i> , 2020, 44, 882-886.	0.9	1
71	Deep learning classification of COVID-19 in chest radiographs: performance and influence of supplemental training. <i>Journal of Medical Imaging</i> , 2021, 8, 064501.	1.5	1
72	Structured mentorship program for the ABR international medical graduates alternate pathway for medical physicists in diagnostic imaging. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 351-353.	1.9	0

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73	Estimation of in vivo noise in clinical CT images: comparison and validation of three different methods against ensemble noise gold-standard. , 2021, , .		0
74	Simultaneous Onset of Mycobacterium kansasii Pulmonary Infection and Systemic Lupus Erythematosus: A Case Report. American Journal of Case Reports, 2021, 22, e929866.	0.8	0
75	CT Practice Monitoring. , 2020, , 199-220.		0
76	Patient-informed modelling of hepatic contrast dynamics in contrast-enhanced CT imaging. , 2020, , .		0
77	Comparing two different noise magnitude estimation methods in CT using virtual imaging trials. , 2022, , .		0