

Massimo Alfano

List of Publications by Year in descending order

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97
papers

3,179
citations

159525

30
h-index

175177

52
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99
all docs

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docs citations

99
times ranked

4276
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistent Microbial Translocation and Immune Activation in HIV-1-Infected South Africans Receiving Combination Antiretroviral Therapy. <i>Journal of Infectious Diseases</i> , 2010, 202, 723-733.	1.9	178
2	M1 and M2a Polarization of Human Monocyte-Derived Macrophages Inhibits HIV-1 Replication by Distinct Mechanisms. <i>Journal of Immunology</i> , 2009, 182, 6237-6246.	0.4	172
3	Human Immunodeficiency Virus Type 1 T-Lymphotropic Strains Enter Macrophages via a CD4- and CXCR4-Mediated Pathway: Replication Is Restricted at a Postentry Level. <i>Journal of Virology</i> , 1998, 72, 4633-4642.	1.5	165
4	Biological and Technical Variables Affecting Immunoassay Recovery of Cytokines from Human Serum and Simulated Vaginal Fluid: A Multicenter Study. <i>Analytical Chemistry</i> , 2008, 80, 4741-4751.	3.2	161
5	Macrophage polarization and HIV-1 infection. <i>Journal of Leukocyte Biology</i> , 2009, 87, 599-608.	1.5	139
6	Monocyte-derived macrophages and myeloid cell lines as targets of HIV-1 replication and persistence. <i>Journal of Leukocyte Biology</i> , 2006, 80, 1018-1030.	1.5	133
7	Role of cytokines and chemokines in the regulation of innate immunity and HIV infection. <i>Molecular Immunology</i> , 2005, 42, 161-182.	1.0	106
8	Role of cyclophilin A in the uptake of HIV-1 by macrophages and T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 1758-1763.	3.3	99
9	The B-Oligomer of Pertussis Toxin Deactivates Cc Chemokine Receptor 5 and Blocks Entry of M-Tropic HIV-1 Strains. <i>Journal of Experimental Medicine</i> , 1999, 190, 597-606.	4.2	97
10	The interplay of extracellular matrix and microbiome in urothelial bladder cancer. <i>Nature Reviews Urology</i> , 2016, 13, 77-90.	1.9	89
11	Testicular microbiome in azoospermic men—first evidence of the impact of an altered microenvironment. <i>Human Reproduction</i> , 2018, 33, 1212-1217.	0.4	83
12	Insight On Colorectal Carcinoma Infiltration by Studying Perilesional Extracellular Matrix. <i>Scientific Reports</i> , 2016, 6, 22522.	1.6	73
13	Urokinase-urokinase receptor interaction mediates an inhibitory signal for HIV-1 replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8862-8867.	3.3	61
14	Extracellular ATP induces the rapid release of HIV-1 from virus containing compartments of human macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3265-73.	3.3	61
15	Divergent regulation of HIV-1 replication in PBMC of infected individuals by CC chemokines: suppression by RANTES, MIP-1alpha, and MCP-3, and enhancement by MCP-1. <i>Journal of Leukocyte Biology</i> , 2000, 68, 405-12.	1.5	55
16	M1 polarization of human monocyte-derived macrophages restricts pre and postintegration steps of HIV-1 replication. <i>Aids</i> , 2013, 27, 1847-1856.	1.0	54
17	Cellular Localization, Invasion, and Turnover Are Differently Influenced by Healthy and Tumor-Derived Extracellular Matrix. <i>Tissue Engineering - Part A</i> , 2014, 20, 2005-2018.	1.6	51
18	Macrophage Polarization at the Crossroad Between HIV-1 Infection and Cancer Development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1145-1152.	1.1	48

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19	Anti-Mullerian Hormone-to-Testosterone Ratio is Predictive of Positive Sperm Retrieval in Men with Idiopathic Non-Obstructive Azoospermia. <i>Scientific Reports</i> , 2017, 7, 17638.	1.6	45
20	Cell surface-associated Tat modulates HIV-1 infection and spreading through a specific interaction with gp120 viral envelope protein. <i>Blood</i> , 2005, 105, 2802-2811.	0.6	44
21	The Cytokine Network in HIV Infection. <i>Current Molecular Medicine</i> , 2002, 2, 677-689.	0.6	44
22	Plasma Tryptophan to Large Neutral Amino Acids Ratio and Therapeutic Response to a Selective Serotonin Uptake Inhibitor. <i>Neuropsychobiology</i> , 1994, 29, 108-111.	0.9	43
23	New players in cytokine control of HIV infection. <i>Current HIV/AIDS Reports</i> , 2008, 5, 27-32.	1.1	43
24	HIV-1 Tat and heparan sulfate proteoglycan interaction: a novel mechanism of lymphocyte adhesion and migration across the endothelium. <i>Blood</i> , 2009, 114, 3335-3342.	0.6	42
25	Sex-specific Alterations in the Urinary and Tissue Microbiome in Therapy-naïve Urothelial Bladder Cancer Patients. <i>European Urology Oncology</i> , 2020, 3, 784-788.	2.6	41
26	When to Perform Karyotype Analysis in Infertile Men? Validation of the European Association of Urology Guidelines with the Proposal of a New Predictive Model. <i>European Urology</i> , 2016, 70, 920-923.	0.9	39
27	Primary, secondary and compensated hypogonadism: a novel risk stratification for infertile men. <i>Andrology</i> , 2017, 5, 505-510.	1.9	38
28	The B-Oligomer of Pertussis Toxin Inhibits Human Immunodeficiency Virus Type 1 Replication at Multiple Stages. <i>Journal of Virology</i> , 2000, 74, 8767-8770.	1.5	36
29	Cytokine and Chemokine Based Control of HIV Infection and Replication. <i>Current Pharmaceutical Design</i> , 2001, 7, 993-1013.	0.9	36
30	Causal contributors to tissue stiffness and clinical relevance in urology. <i>Communications Biology</i> , 2021, 4, 1011.	2.0	34
31	The Binding Subunit of Pertussis Toxin Inhibits HIV Replication in Human Macrophages and Virus Expression in Chronically Infected Promonocytic U1 Cells. <i>Journal of Immunology</i> , 2001, 166, 1863-1870.	0.4	33
32	Full-length soluble urokinase plasminogen activator receptor down-modulates nephrin expression in podocytes. <i>Scientific Reports</i> , 2015, 5, 13647.	1.6	32
33	Pertussis Toxin (PTX) B Subunit and the Nontoxic PTX Mutant PT9K/129G Inhibit Tat-Induced TGF- β ² Production by NK Cells and TGF- β ² -Mediated NK Cell Apoptosis. <i>Journal of Immunology</i> , 2005, 174, 6054-6061.	0.4	30
34	Cell-Mediated Immunity in Elite Controllers Naturally Controlling HIV Viral Load. <i>Frontiers in Immunology</i> , 2013, 4, 86.	2.2	29
35	Semen infections in men with primary infertility in the real-life setting. <i>Fertility and Sterility</i> , 2020, 113, 1174-1182.	0.5	29
36	High Blood Pressure Is a Highly Prevalent but Unrecognised Condition in Primary Infertile Men: Results of a Cross-sectional Study. <i>European Urology Focus</i> , 2020, 6, 178-183.	1.6	27

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37	The role of urokinase-type plasminogen activator (uPA)/uPA receptor in HIV-1 infection. <i>Journal of Leukocyte Biology</i> , 2003, 74, 750-756.	1.5	26
38	Undiagnosed prediabetes is highly prevalent in primary infertile men – results from a cross-sectional study. <i>BJU International</i> , 2019, 123, 1070-1077.	1.3	26
39	Aging, inflammation and DNA damage in the somatic testicular niche with idiopathic germ cell aplasia. <i>Nature Communications</i> , 2021, 12, 5205.	5.8	25
40	Is There a Detrimental Effect of Antibiotic Therapy in Patients with Muscle-invasive Bladder Cancer Treated with Neoadjuvant Pembrolizumab?. <i>European Urology</i> , 2021, 80, 319-322.	0.9	24
41	Pertussis Toxin B-Oligomer Suppresses IL-6 Induced HIV-1 and Chemokine Expression in Chronically Infected U1 Cells via Inhibition of Activator Protein 1. <i>Journal of Immunology</i> , 2006, 176, 999-1006.	0.4	23
42	Deficiency of total collagen content and of deoxypyridinoline in intracranial aneurysm walls. <i>FEBS Letters</i> , 1997, 404, 303-306.	1.3	22
43	Pertussis toxin B-oligomer inhibits HIV infection and replication in hu-PBL-SCID mice. <i>International Immunology</i> , 2005, 17, 469-475.	1.8	22
44	NF- κ B Modulates Sensitivity to Apoptosis, Proinflammatory and Migratory Potential in Short- versus Long-Term Cultured Human T β 1 Lymphocytes. <i>Journal of Immunology</i> , 2008, 181, 5857-5864.	0.4	22
45	Extracellular high mobility group box-1 inhibits R5 and X4 HIV-1 strains replication in mononuclear phagocytes without induction of chemokines and cytokines. <i>Aids</i> , 2009, 23, 567-577.	1.0	22
46	Impaired testicular signaling of vitamin A and vitamin K contributes to the aberrant composition of the extracellular matrix in idiopathic germ cell aplasia. <i>Fertility and Sterility</i> , 2019, 111, 687-698.	0.5	22
47	Interleukin-6 and Glucocorticoids Synergistically Induce Human Immunodeficiency Virus Type-1 Expression in Chronically Infected U1 Cells by a Long Terminal Repeat Independent Post-Transcriptional Mechanism. <i>Molecular Medicine</i> , 2001, 7, 668-678.	1.9	21
48	Pertussis toxin B-oligomer dissociates T cell activation and HIV replication in CD4 T cells released from infected lymphoid tissue. <i>Aids</i> , 2005, 19, 1007-1014.	1.0	21
49	Testicular volume in infertile versus fertile white-European men: a case-control investigation in the real-life setting. <i>Asian Journal of Andrology</i> , 2021, 23, 501.	0.8	21
50	Therapeutic Regeneration of Lymphatic and Immune Cell Functions upon Lympho-organoid Transplantation. <i>Stem Cell Reports</i> , 2019, 12, 1260-1268.	2.3	20
51	Normal sperm parameters per se do not reliably account for fertility: A case-control study in the real-life setting. <i>Andrologia</i> , 2021, 53, e13861.	1.0	20
52	Dendritic cell-specific intercellular adhesion molecule-3 grabbing nonintegrin mediates HIV-1 infection of and transmission by M2a-polarized macrophages in vitro. <i>Aids</i> , 2013, 27, 707-716.	1.0	19
53	Linearized texture of three-dimensional extracellular matrix is mandatory for bladder cancer cell invasion. <i>Scientific Reports</i> , 2016, 6, 36128.	1.6	19
54	Selective granulocyte/monocyte apheresis in the treatment of HIV-infected patients: short-term and long-term effects on immunological and virological parameters. <i>Perfusion (United Kingdom)</i> , 2002, 17, 47-51.	0.5	18

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55	HIV-1 Infected Lymphoid Organs Upregulate Expression and Release of the Cleaved Form of uPAR That Modulates Chemotaxis and Virus Expression. <i>PLoS ONE</i> , 2013, 8, e70606.	1.1	18
56	Mini Review on the Use of Clinical Cancer Registers for Prostate Cancer: The National Prostate Cancer Register (NPCR) of Sweden. <i>Frontiers in Medicine</i> , 2019, 6, 51.	1.2	18
57	Bacterial Toxins: Potential Weapons Against HIV Infection. <i>Current Pharmaceutical Design</i> , 2005, 11, 2909-2926.	0.9	17
58	Inhibition of intra- and extra-cellular Tat function and HIV expression by pertussis toxin B-oligomer. <i>European Journal of Immunology</i> , 2004, 34, 530-536.	1.6	16
59	Inhibition of HIV replication by the plasminogen activator is dependent on vitronectin-mediated cell adhesion. <i>Journal of Leukocyte Biology</i> , 2007, 82, 1212-1220.	1.5	16
60	CD14+ macrophages that accumulate in the colon of African AIDS patients express pro-inflammatory cytokines and are responsive to lipopolysaccharide. <i>BMC Infectious Diseases</i> , 2015, 15, 430.	1.3	16
61	Urokinase Plasminogen Activator Inhibits HIV Virion Release from Macrophage-Differentiated Chronically Infected Cells via Activation of RhoA and PKC μ . <i>PLoS ONE</i> , 2011, 6, e23674.	1.1	14
62	Ligand-engaged urokinase-type plasminogen activator receptor and activation of the CD11b/CD18 integrin inhibit late events of HIV expression in monocytic cells. <i>Blood</i> , 2009, 113, 1699-1709.	0.6	13
63	Spontaneous control of HIV-1 viremia in a subject with protective HLA-B plus HLA-C alleles and HLA-C associated single nucleotide polymorphisms. <i>Journal of Translational Medicine</i> , 2014, 12, 335.	1.8	13
64	The duration of infertility affects semen parameters in primary infertile men: results of a single-centre, cross-sectional study. <i>BJU International</i> , 2019, 123, 891-898.	1.3	13
65	Infertile Men Have Higher Prostate-specific Antigen Values than Fertile Individuals of Comparable Age. <i>European Urology</i> , 2021, 79, 234-240.	0.9	13
66	Correlation among isolated teratozoospermia, sperm DNA fragmentation and markers of systemic inflammation in primary infertile men. <i>PLoS ONE</i> , 2021, 16, e0251608.	1.1	13
67	The impact of metabolically healthy obesity in primary infertile men: Results from a cross-sectional study. <i>Andrology</i> , 2020, 8, 1762-1769.	1.9	12
68	Risk of health status worsening in primary infertile men: A prospective 10-year follow-up study. <i>Andrology</i> , 2022, 10, 128-136.	1.9	12
69	Extensive Assessment of Underlying Etiological Factors in Primary Infertile Men Reduces the Proportion of Men With Idiopathic Infertility. <i>Frontiers in Endocrinology</i> , 2021, 12, 801125.	1.5	11
70	Inhibitors of A Disintegrin And Metalloproteinases-10 reduce Hodgkin lymphoma cell growth in 3D microenvironments and enhance brentuximab-vedotin effect. <i>Haematologica</i> , 2021, , .	1.7	9
71	A numerical study to investigate the effects of tumour position on the treatment of bladder cancer in mice using gold nanorods assisted photothermal ablation. <i>Computers in Biology and Medicine</i> , 2021, 138, 104881.	3.9	9
72	Human Prostate Tissue-derived Extracellular Matrix as a Model of Prostate Microenvironment. <i>European Urology Focus</i> , 2016, 2, 400-408.	1.6	8

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73	Urogenital Abnormalities in Adenosine Deaminase Deficiency. <i>Journal of Clinical Immunology</i> , 2020, 40, 610-618.	2.0	7
74	A mechanistic insight into the anti-metastatic role of the prostate specific antigen. <i>Translational Oncology</i> , 2021, 14, 101211.	1.7	7
75	Urinary output of hydroxylysine glycosides and pyridinium cross-links in detecting rat bone collagen turnover rate. <i>FEBS Letters</i> , 1996, 388, 134-138.	1.3	6
76	Role of Peripheral Blood Mononuclear Cell Subsets of Seronegative Donors in HIV Replication: Suppression by CD8+ and CD16+ Cells and Enhancement by CD14+ Monocytes. <i>AIDS Research and Human Retroviruses</i> , 1999, 15, 489-491.	0.5	6
77	Influence of natural convection on gold nanorods-assisted photothermal treatment of bladder cancer in mice. <i>International Journal of Hyperthermia</i> , 2020, 37, 634-650.	1.1	6
78	Substances of abuse consumption among patients seeking medical help for uro-andrological purposes: a sociobehavioral survey in the real-life scenario. <i>Asian Journal of Andrology</i> , 2021, 23, 456.	0.8	6
79	Ovariectomy in the rat induces a rapid increase in the urinary excretion of hydroxylysine glycosides and non-reducible crosslink residues. <i>Osteoporosis International</i> , 1997, 7, 539-543.	1.3	4
80	Lysyl-Oxidase Dependent Extracellular Matrix Stiffness in Hodgkin Lymphomas: Mechanical and Topographical Evidence. <i>Cancers</i> , 2022, 14, 259.	1.7	3
81	Unsung Hero Robert C. Gallo. <i>Science</i> , 2009, 323, 206-207.	6.0	2
82	Immunopathogenesis of HIV Infection. , 2007, , 245-295.		2
83	Granulocyte/monocyte apheresis induces sustained increases in CD4 T cells in HIV-1 infected patients with poor CD4 T cell restoration after suppression of viral replication by HAART. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2002, 16, 58-63.	0.7	2
84	The new era of precision urobiome. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2020, 38, 693-694.	0.8	1
85	Glycosyl Phosphatidylinositol-Anchored Proteins and HIV Infection. <i>Letters in Drug Design and Discovery</i> , 2006, 3, 598-604.	0.4	1
86	Leiomyoadenomatoid tumours of the epididymis: A new case report and review of the literature. <i>Andrologia</i> , 2022, 54, e14280.	1.0	1
87	Immunomodulatory and Anti-Viral Activities of Pertussis Toxin and of Its Non-Toxic Derivatives. <i>Current Medicinal Chemistry Anti-inflammatory & Anti-allergy Agents</i> , 2005, 4, 177-183.	0.4	0
88	196 Monocyte-Dependent and -Independent Modulatory Effects of Vitamin D3 on X4 and R5 HIV-1 Replication in IL-2 Stimulated PBMC. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2009, 51, .	0.9	0
89	MP81-20 THE ROLE OF SYSTEMIC INFLAMMATION IN DETERMINING HEALTH STATUS IN MEN WITH SEXUAL DYSFUNCTION – A WORRISOME SCENARIO IN YOUNG MEN. <i>Journal of Urology</i> , 2017, 197, .	0.2	0
90	PD13-07 MEN WITH INSULIN RESISTANCE ARE AT INCREASED RISK OF AZOOSPERMIA: RESULTS FROM A CROSS-SECTIONAL STUDY. <i>Journal of Urology</i> , 2017, 197, .	0.2	0

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91	MP81-15 THE ROLE OF NEUTROPHIL-TO-LYMPHOCYTE RATIO IN MEN WITH ERECTILE DYSFUNCTION â€“ PRELIMINARY FINDINGS OF A REAL-LIFE CROSS-SECTIONAL STUDY. Journal of Urology, 2017, 197, .	0.2	0
92	When to perform semen culture in asymptomatic infertile men? Hints from a cross sectional study. Fertility and Sterility, 2018, 110, e299-e300.	0.5	0
93	Re: Madhuri Koti, Molly A. Ingersoll, Shilpa Gupta, et al. Sex Differences in Bladder Cancer Immunobiology and Outcomes: A Collaborative Review with Implications for Treatment. Eur Urol Oncol 2020;3:622â€“30. European Urology Oncology, 2020, 3, 802-803.	2.6	0
94	Re: Scott D. Lundy, Naseer Sangwan, Neel V. Parekh, et al. Functional and Taxonomic Dysbiosis of the Gut, Urine, and Semen Microbiomes in Male Infertility. Eur Urol 2021;79:826-36. European Urology, 2021, 80, e53-e54.	0.9	0
95	HIV and Cytokines. , 2011, , 139-153.		0
96	Re: High Blood Pressure is a Highly Prevalent but Unrecognised Condition in Primary Infertile Men: Results of a Cross-Sectional Study. Journal of Urology, 2019, 201, 427-427.	0.2	0
97	Re: Testicular Microbiome in Azoospermic Menâ€“First Evidence of the Impact of an Altered Microenvironment. Journal of Urology, 2019, 201, 653-653.	0.2	0