Paolo Fagone

List of Publications by Year
in descending order

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112 papers	5,196 citations	101543 36 h-index	95266 68 g-index
115 all docs	115 docs citations	115 times ranked	8372 citing authors

#	Article	IF	Citations
1	Roles of the Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR pathways in controlling growth and sensitivity to therapy-implications for cancer and aging. Aging, 2011, 3, 192-222.	3.1	520
2	Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR Inhibitors: Rationale and Importance to Inhibiting These Pathways in Human Health. Oncotarget, 2011, 2, 135-164.	1.8	509
3	Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR Cascade Inhibitors: How Mutations Can Result in Therapy Resistance and How to Overcome Resistance. Oncotarget, 2012, 3, 1068-1111.	1.8	279
4	Mutations and Deregulation of Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR Cascades Which Alter Therapy Response.. Oncotarget, 2012, 3, 954-987.	1.8	244
5	Roles of the Ras/Raf/MEK/ERK pathway in leukemia therapy. Leukemia, 2011, 25, 1080-1094.	7.2	232
6	Targeting the translational apparatus to improve leukemia therapy: roles of the PI3K/PTEN/Akt/mTOR pathway. Leukemia, 2011, 25, 1064-1079.	7.2	190
7	A DNA Vaccine against Chikungunya Virus Is Protective in Mice and Induces Neutralizing Antibodies in Mice and Nonhuman Primates. PLoS Neglected Tropical Diseases, 2011, 5, e928.	3.0	155
8	The Role of Macrophages in Neuroinflammatory and Neurodegenerative Pathways of Alzheimerâ€™s Disease, Amyotrophic Lateral Sclerosis, and Multiple Sclerosis: Pathogenetic Cellular Effectors and Potential Therapeutic Targets. International Journal of Molecular Sciences, 2018, 19, 831.	4.1	132
9	Aberrant Expression of MHC Class II in Melanoma Attracts Inflammatory Tumor-Specific CD4+ T- Cells, Which Dampen CD8+ T-cell Antitumor Reactivity. Cancer Research, 2015, 75, 3747-3759.	0.9	93
10	Transcriptional landscape of SARS-CoV-2 infection dismantles pathogenic pathways activated by the virus, proposes unique sex-specific differences and predicts tailored therapeutic strategies. Autoimmunity Reviews, 2020, 19, 102571.	5.8	92
11	mTOR as a multifunctional therapeutic target in HIV infection. Drug Discovery Today, 2011, 16, 715-721.	6.4	90
12	BRAF inhibition improves tumor recognition by the immune system. OncoImmunology, 2012, 1, 1476-1483.	4.6	82
13	Preclinical evaluation of the PI3K/Akt/mTOR pathway in animal models of multiple sclerosis. Oncotarget, 2018, 9, 8263-8277.	1.8	75
14	Role of MIF and D-DT in immune-inflammatory, autoimmune, and chronic respiratory diseases: from pathogenic factors to therapeutic targets. Drug Discovery Today, 2019, 24, 428-439.	6.4	74
15	Entangling COVID-19 associated thrombosis into a secondary antiphospholipid antibody syndrome: Diagnostic and therapeutic perspectives (Review). International Journal of Molecular Medicine, 2020, 46, 903-912.	4.0	73
16	Emerging therapeutic targets for the treatment of hepatic fibrosis. Drug Discovery Today, 2016, 21, 369-375.	6.4	71
17	Contribution of the macrophage migration inhibitory factor superfamily of cytokines in the pathogenesis of preclinical and human multiple sclerosis: In silico and in vivo evidences. Journal of Neuroimmunology, 2018, 322, 46-56.	2.3	69
18	Prevention of clinical and histological signs of proteolipid protein (PLP)-induced experimental allergic encephalomyelitis (EAE) in mice by the water-soluble carbon monoxide-releasing molecule (CORM)-A1. Clinical and Experimental Immunology, 2011, 163, 368-374.	2.6	65

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19	HIVâ€protease inhibitors for the treatment of cancer: Repositioning HIV protease inhibitors while developing more potent NOâ€hybridized derivatives?. International Journal of Cancer, 2017, 140, 1713-1726.	5.1	63
20	Pathogenic role for macrophage migration inhibitory factor in glioblastoma and its targeting with specific inhibitors as novel tailored therapeutic approach. Oncotarget, 2018, 9, 17951-17970.	1.8	60
21	Therapeutic potential of carbon monoxide in multiple sclerosis. Clinical and Experimental Immunology, 2012, 167, 179-187.	2.6	55
22	Molecular adjuvant HMGB1 enhances anti-influenza immunity during DNA vaccination. Gene Therapy, 2011, 18, 1070-1077.	4.5	52
23	The cytokine network in the pathogenesis of major depressive disorder. Close to translation?. Autoimmunity Reviews, 2020, 19, 102504.	5.8	52
24	Overexpression of macrophage migration inhibitory factor and functionallyâ€‘related genes, Dâ€‘DT, CD74, CD44, CXCR2 and CXCR4, in glioblastoma. Oncology Letters, 2018, 16, 2881-2886.	1.8	51
25	Gasotransmitters and the immune system: Mode of action and novel therapeutic targets. European Journal of Pharmacology, 2018, 834, 92-102.	3.5	50
26	In vitro and in vivo anticancer action of Saquinavir-NO, a novel nitric oxide-derivative of the protease inhibitor saquinavir, on hormone resistant prostate cancer cells. Cell Cycle, 2011, 10, 492-499.	2.6	47
27	Involvement of the Nrf2/HOâ€1/CO axis and therapeutic intervention with the COâ€releasing molecule CORMâ€A1, in a murine model of autoimmune hepatitis. Journal of Cellular Physiology, 2018, 233, 4156-4165.	4.1	47
28	Identification of novel targets for the diagnosis and treatment of liver fibrosis. International Journal of Molecular Medicine, 2015, 36, 747-752.	4.0	46
29	Heme oxygenase-1 expression in peripheral blood mononuclear cells correlates with disease activity in multiple sclerosis. Journal of Neuroimmunology, 2013, 261, 82-86.	2.3	45
30	Hypomethylating Agent 5â€Azaâ€2â€²â€deoxycytidine (DAC) Ameliorates Multiple Sclerosis in Mouse Models. Journal of Cellular Physiology, 2014, 229, 1918-1925.	4.1	45
31	Differential modulation and prognostic values of immune-escape genes in uveal melanoma. PLoS ONE, 2019, 14, e0210276.	2.5	45
32	Comprehensive Analysis of RNA-Seq Gene Expression Profiling of Brain Transcriptomes Reveals Novel Genes, Regulators, and Pathways in Autism Spectrum Disorder. Brain Sciences, 2020, 10, 747.	2.3	45
33	The PI3K/Akt/mTOR pathway: A potential pharmacological target in COVID-19. Drug Discovery Today, 2022, 27, 848-856.	6.4	45
34	Identification of novel chemotherapeutic strategies for metastatic uveal melanoma. Scientific Reports, 2017, 7, 44564.	3.3	44
35	Induction of OAS gene family in HIV monocyte infected patients with high and low viral load. Antiviral Research, 2016, 131, 66-73.	4.1	42
36	Parkinsonâ€™s disease is associated with increased serum levels of macrophage migration inhibitory factor. Cytokine, 2011, 55, 165-167.	3.2	41

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37	Advances in Targeting Signal Transduction Pathways. Oncotarget, 2012, 3, 1505-1521.	1.8	41
38	Acquired Immune Resistance Follows Complete Tumor Regression without Loss of Target Antigens or IFNÎ³ Signaling. Cancer Research, 2017, 77, 4562-4566.	0.9	39
39	<scp>VGX</scp>â€1027 modulates genes involved in lipopolysaccharideâ€induced <scp>T</scp>ollâ€like receptor 4 activation and in a murine model of systemic lupus erythematosus. Immunology, 2014, 142, 594-602.	4.4	37
40	Pathogenic contribution of the Macrophage migration inhibitory factor family to major depressive disorder and emerging tailored therapeutic approaches. Journal of Affective Disorders, 2020, 263, 15-24.	4.1	37
41	Immunobiology of Uveal Melanoma: State of the Art and Therapeutic Targets. Frontiers in Oncology, 2019, 9, 1145.	2.8	36
42	Coâ€immunization with an optimized plasmidâ€encoded immune stimulatory interleukin, highâ€mobility group box 1 protein, results in enhanced interferonâ€Î³ secretion by antigenâ€specific CD8 T cells. Immunology, 2009, 128, e612-20.	4.4	35
43	HIV-Mediated Phosphatidylinositol 3-Kinase/Serineâ€“Threonine Kinase Activation in APCs Leads to Programmed Death-1 Ligand Upregulation and Suppression of HIV-Specific CD8 T Cells. Journal of Immunology, 2011, 187, 2932-2943.	0.8	33
44	Carbon monoxide-releasing molecule-A1 (CORM-A1) improves clinical signs of experimental autoimmune uveoretinitis (EAU) in rats. Clinical Immunology, 2015, 157, 198-204.	3.2	33
45	Naturally occurring compounds in differentiation based therapy of cancer. Biotechnology Advances, 2018, 36, 1622-1632.	11.7	31
46	The Role of Macrophage Migration Inhibitory Factor in Alzheimerâ€²s Disease: Conventionally Pathogenetic or Unconventionally Protective?. Molecules, 2020, 25, 291.	3.8	31
47	Transcriptomic analysis of COVIDâ€19 lungs and bronchoalveolar lavage fluid samples reveals predominant B cell activation responses to infection. International Journal of Molecular Medicine, 2020, 46, 1266-1273.	4.0	30
48	Characterization of the Pathophysiological Role of CD47 in Uveal Melanoma. Molecules, 2019, 24, 2450.	3.8	29
49	Prevention of clinical and histological signs of MOG-induced experimental allergic encephalomyelitis by prolonged treatment with recombinant human EGF. Journal of Neuroimmunology, 2019, 332, 224-232.	2.3	29
50	Therapeutic Potential of Nitric Oxide-Modified Drugs in Colon Cancer Cells. Molecular Pharmacology, 2012, 82, 700-710.	2.3	28
51	Modulation of heat shock proteins during macrophage differentiation. Inflammation Research, 2012, 61, 1131-1139.	4.0	27
52	Identification of CD4+ T cell biomarkers for predicting the response of patients with relapsingâ€remitting multiple sclerosis to natalizumab treatment. Molecular Medicine Reports, 2019, 20, 678-684.	2.4	27
53	Specific and Strain-Independent Effects of Dexamethasone in the Prevention and Treatment of Experimental Autoimmune Encephalomyelitis in Rodents. Scandinavian Journal of Immunology, 2010, 72, 396-407.	2.7	26
54	Upregulation of IL-1 Receptor Antagonist in a Mouse Model of Migraine. Brain Sciences, 2019, 9, 172.	2.3	26

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55	Upregulated Expression of Macrophage Migration Inhibitory Factor, Its Analogue D-Dopachrome Tautomerase, and the CD44 Receptor in Peripheral CD4 T Cells from Clinically Isolated Syndrome Patients with Rapid Conversion to Clinical Defined Multiple Sclerosis. Medicina (Lithuania), 2019, 55, 667.	2.0	26
56	Overexpression of Macrophage Migration Inhibitory Factor and Its Homologue D-Dopachrome Tautomerase as Negative Prognostic Factor in Neuroblastoma. Brain Sciences, 2019, 9, 284.	2.3	26
57	The NO-modified HIV protease inhibitor as a valuable drug for hematological malignancies: Role of p70S6K. Leukemia Research, 2015, 39, 1088-1095.	0.8	25
58	Emerging Role of the Macrophage Migration Inhibitory Factor Family of Cytokines in Neuroblastoma. Pathogenic Effectors and Novel Therapeutic Targets?. Molecules, 2020, 25, 1194.	3.8	25
59	Efficacy of Intracolonic Administration of Low-Molecular-Weight Heparin CB-01-05, Compared to Other Low-Molecular-Weight Heparins and Unfractionated Heparin, in Experimentally Induced Colitis in Rat. Digestive Diseases and Sciences, 2008, 53, 3170-3175.	2.3	23
60	Influence of lactoferrin in preventing preterm delivery: A pilot study. Molecular Medicine Reports, 2011, 5, 162-6.	2.4	23
61	Retrospective follow-up analysis of the transcriptomic patterns of cytokines, cytokine receptors and chemokines at preconception and during pregnancy, in women with post-partum depression. Experimental and Therapeutic Medicine, 2019, 18, 2055-2062.	1.8	23
62	Modulation of Tetraspanin 32 (TSPAN32) Expression in T Cell-Mediated Immune Responses and in Multiple Sclerosis. International Journal of Molecular Sciences, 2019, 20, 4323.	4.1	23
63	KCNMA1 Expression is Downregulated in Colorectal Cancer via Epigenetic Mechanisms. Cancers, 2019, 11, 245.	3.7	23
64	Prediction of PD-L1 Expression in Neuroblastoma via Computational Modeling. Brain Sciences, 2019, 9, 221.	2.3	22
65	In Silico and In Vivo Analysis of IL37 in Multiple Sclerosis Reveals Its Probable Homeostatic Role on the Clinical Activity, Disability, and Treatment with Fingolimod. Molecules, 2020, 25, 20.	3.8	22
66	Cognitive Decline in Rheumatoid Arthritis: Insight into the Molecular Pathogenetic Mechanisms. International Journal of Molecular Sciences, 2021, 22, 1185.	4.1	20
67	Effects of NO-Hybridization on the Immunomodulatory Properties of the HIV Protease Inhibitors Lopinavir and Ritonavir. Basic and Clinical Pharmacology and Toxicology, 2015, 117, 306-315.	2.5	19
68	Discovering common pathogenetic processes between COVID-19 and diabetes mellitus by differential gene expression pattern analysis. Briefings in Bioinformatics, 2021, 22, .	6.5	19
69	Therapeutic Potential of Alpha-Lipoic Acid in Viral Infections, including COVID-19. Antioxidants, 2021, 10, 1294.	5.1	19
70	Unique antineoplastic profile of Saquinavir-NO, a novel NO-derivative of the protease inhibitor Saquinavir, on the in vitro and in vivo tumor formation of A375 human melanoma cells. Oncology Reports, 2012, 28, 682-688.	2.6	18
71	Expression of DNA methylation genes in secondary progressive multiple sclerosis. Journal of Neuroimmunology, 2016, 290, 66-69.	2.3	17
72	Effects of Treatment with the Hypomethylating Agent 5-aza-2â€²-deoxycytidine in Murine Type II Collagen-Induced Arthritis. Pharmaceuticals, 2019, 12, 174.	3.8	17

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73	Transcriptomic Analysis Reveals Involvement of the Macrophage Migration Inhibitory Factor Gene Network in Duchenne Muscular Dystrophy. Genes, 2019, 10, 939.	2.4	16
74	CD4+ T-cell gene expression of healthy donors, HIV-1 and elite controllers: Immunological chaos. Cytokine, 2016, 83, 127-135.	3.2	15
75	The Dichotomic Role of Macrophage Migration Inhibitory Factor in Neurodegeneration. International Journal of Molecular Sciences, 2020, 21, 3023.	4.1	15
76	Saquinavir-NO-targeted S6 protein mediates sensitivity of androgen-dependent prostate cancer cells to TRAIL. Cell Cycle, 2012, 11, 1174-1182.	2.6	14
77	Comparative Study of Rapamycin and Temsirolimus Demonstrates Superimposable Antiâ€Tumour Potency on Prostate Cancer Cells. Basic and Clinical Pharmacology and Toxicology, 2013, 112, 63-69.	2.5	14
78	Meta-Analysis of Transcriptomic Data of Dorsolateral Prefrontal Cortex and of Peripheral Blood Mononuclear Cells Identifies Altered Pathways in Schizophrenia. Genes, 2020, 11, 390.	2.4	14
79	Decitabine induces regulatory T cells, inhibits the production of IFN-gamma and IL-17 and exerts preventive and therapeutic efficacy in rodent experimental autoimmune neuritis. Journal of Neuroimmunology, 2018, 321, 41-48.	2.3	13
80	Impaired Expression of Tetraspanin 32 (TSPAN32) in Memory T Cells of Patients with Multiple Sclerosis. Brain Sciences, 2020, 10, 52.	2.3	13
81	Identification of Common Pathogenetic Processes between Schizophrenia and Diabetes Mellitus by Systems Biology Analysis. Genes, 2021, 12, 237.	2.4	13
82	Vitamin D3 inhibits TNFÎ±-induced latent HIV reactivation in J-LAT cells. Molecular and Cellular Biochemistry, 2016, 418, 49-57.	3.1	12
83	Exploratory Analysis of iPSCS-Derived Neuronal Cells as Predictors of Diagnosis and Treatment of Alzheimer Disease. Brain Sciences, 2020, 10, 166.	2.3	12
84	Macrophage Migration Inhibitory Factor (MIF) and Its Homologue D-Dopachrome Tautomerase (DDT) Inversely Correlate with Inflammation in Discoid Lupus Erythematosus. Molecules, 2021, 26, 184.	3.8	11
85	Effects of Synthetic Anti-Inflammatory Sterol in CB3V-Induced Myocarditis: A Morphological Study on Heart Muscle Tissue. Journal of Functional Morphology and Kinesiology, 2016, 1, 69-89.	2.4	10
86	HE3286, an orally bioavailable synthetic analogue of an active DHEA metabolite suppresses spontaneous autoimmune diabetes in the non-obese diabetic (NOD) mouse. European Journal of Pharmacology, 2011, 658, 257-262.	3.5	9
87	Saquinavir-NO inhibits S6 kinase activity, impairs secretion of the encephalytogenic cytokines interleukin-17 and interferon-gamma and ameliorates experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2013, 259, 55-65.	2.3	9
88	Acceleration of SLE-like syndrome development in NZBxNZW F1 mice by beta-glucan. Lupus, 2014, 23, 407-411.	1.6	9
89	Upregulation of Tolerogenic Pathways by the Hydrogen Sulfide Donor GYY4137 and Impaired Expression of H2S-Producing Enzymes in Multiple Sclerosis. Antioxidants, 2020, 9, 608.	5.1	9
90	Profiling of inhibitory immune checkpoints in glioblastoma: Potential pathogenetic players. Oncology Letters, 2020, 20, 332.	1.8	8

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91	HIV-1 Vpr: Regulator of Viral Survival. Current HIV Research, 2009, 7, 153-162.	0.5	7
92	17Î±-Ethynyl-androst-5-ene-3Î²,7Î²,17Î²-triol (HE3286) Is Neuroprotective and Reduces Motor Impairment and Neuroinflammation in a Murine MPTP Model of Parkinsonâ€™s Disease. Parkinson's Disease, 2012, 2012, 1-8.	1.1	7
93	Apotransferrin inhibits interleukin-2 expression and protects mice from experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2013, 262, 72-78.	2.3	7
94	Cyclin D1 and Ewing's sarcoma/PNET: A microarray analysis. Acta Histochemica, 2015, 117, 824-828.	1.8	7
95	Immune-Modulating Drug MP1032 with SARS-CoV-2 Antiviral Activity In Vitro: A potential Multi-Target Approach for Prevention and Early Intervention Treatment of COVID-19. International Journal of Molecular Sciences, 2020, 21, 8803.	4.1	7
96	Neuroprotective Effects of Myrtenal in an Experimental Model of Dementia Induced in Rats. Antioxidants, 2022, 11, 374.	5.1	7
97	The immunobiology of apotransferrin in type 1 diabetes. Clinical and Experimental Immunology, 2012, 169, 244-252.	2.6	6
98	Standardized bovine colostrum derivative impedes development of type 1 diabetes in rodents. Immunobiology, 2017, 222, 272-279.	1.9	6
99	Effects of Combined Admistration of Imatinib and Sorafenib in a Murine Model of Liver Fibrosis. Molecules, 2020, 25, 4310.	3.8	6
100	A Network Medicine Approach for Drug Repurposing in Duchenne Muscular Dystrophy. Genes, 2021, 12, 543.	2.4	5
101	Phase II study of the antiretroviral activity and safety of the glucocorticoid receptor antagonist mifepristone in HIV-1-infected patients. International Journal of Molecular Medicine, 2011, 28, 437-42.	4.0	4
102	Cyclin D1 in pediatric neuroblastic tumors: A microarray analysis. Acta Histochemica, 2015, 117, 820-823.	1.8	4
103	Transcriptomic analysis reveals moderate modulation of macrophage migration inhibitory factor superfamily genes in alcohol use disorders. Experimental and Therapeutic Medicine, 2020, 19, 1755-1762.	1.8	4
104	Effects of GIT-27NO, a NO-donating compound, on hepatic ischemia/reperfusion injury. International Journal of Immunopathology and Pharmacology, 2019, 33, 205873841986273.	2.1	3
105	Altered Expression of TSPAN32 during B Cell Activation and Systemic Lupus Erythematosus. Genes, 2021, 12, 931.	2.4	3
106	Characterization of Altered Molecular Pathways in the Entorhinal Cortex of Alzheimerâ€™s Disease Patients and In Silico Prediction of Potential Repurposable Drugs. Genes, 2022, 13, 703.	2.4	3
107	Computational Analysis of Pathogenetic Pathways in Alzheimerâ€™s Disease and Prediction of Potential Therapeutic Drugs. Brain Sciences, 2022, 12, 827.	2.3	3
108	No-Modified Saquinavir is Equally Efficient Against Doxorubicin Sensitive and Resistant Non-Small Cell Lung Carcinoma Cells / MODIFIKOVANA KOVANA FORMA SAKVINAVIRA EFIKASNO SU PRIMI RA RAST Ä†ELIJA NESITNOÄ†ELIJSKOG KARCINOMA PLUÄ†A RAZLIÄŒITE OSETLIVOSTI NA DOKSORUBICIN. Journal of Medical Biochemistry, 2013, 32, 406-416.	1.7	2

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109	Transcriptomic Analysis Reveals Abnormal Expression of Prion Disease Gene Pathway in Brains from Patients with Autism Spectrum Disorders. Brain Sciences, 2020, 10, 200.	2.3	2
110	Transcriptomic Data Analysis Reveals a Down-Expression of Galectin-8 in Schizophrenia Hippocampus. Brain Sciences, 2021, 11, 973.	2.3	2
111	Immune escape mechanisms associated with tumor recurrence after adoptive cell transfer immunotherapy.. Journal of Clinical Oncology, 2014, 32, 3054-3054.	1.6	0
112	Characterization of a small molecule modulator of inflammatory cytokine production. Translational Medicine Communications, 2022, 7, .	1.4	0