

Antonio Serrano

List of Publications by Year in descending order

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102
papers

3,558
citations

159585

30
h-index

149698

56
g-index

104
all docs

104
docs citations

104
times ranked

4965
citing authors

#	ARTICLE	IF	CITATIONS
1	Conserved regulation of proximodistal limb axis development by Meis1/Hth. <i>Nature</i> , 1999, 402, 425-429.	27.8	295
2	Role of the Pi3k Regulatory Subunit in the Control of Actin Organization and Cell Migration. <i>Journal of Cell Biology</i> , 2000, 151, 249-262.	5.2	222
3	Identification of amino acid residues crucial for chemokine receptor dimerization. <i>Nature Immunology</i> , 2004, 5, 216-223.	14.5	176
4	Derivatives of Gallic Acid Induce Apoptosis in Tumoral Cell Lines and Inhibit Lymphocyte Proliferation. <i>Archives of Biochemistry and Biophysics</i> , 1998, 350, 49-54.	3.0	167
5	IL-6-based mortality risk model for hospitalized patients with COVID-19. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 146, 799-807.e9.	2.9	154
6	Ligand stabilization of CXCR4/ β -opioid receptor heterodimers reveals a mechanism for immune response regulation. <i>European Journal of Immunology</i> , 2008, 38, 537-549.	2.9	132
7	A homozygous Fas ligand gene mutation in a patient causes a new type of autoimmune lymphoproliferative syndrome. <i>Blood</i> , 2006, 108, 1306-1312.	1.4	117
8	Essential Role of Aralar in the Transduction of Small Ca ⁺ Signals to Neuronal Mitochondria. <i>Journal of Biological Chemistry</i> , 2006, 281, 1039-1047.	3.4	114
9	VP1, the Putative RNA-Dependent RNA Polymerase of Infectious Bursal Disease Virus, Forms Complexes with the Capsid Protein VP3, Leading to Efficient Encapsidation into Virus-Like Particles. <i>Journal of Virology</i> , 1999, 73, 6973-6983.	3.4	111
10	T-Helper Cell Subset Response Is a Determining Factor in COVID-19 Progression. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 624483.	3.9	110
11	Calcium Influx through Receptor-operated Channel Induces Mitochondria-triggered Paraptotic Cell Death. <i>Journal of Biological Chemistry</i> , 2003, 278, 14134-14145.	3.4	109
12	Inhibition of programmed cell death impairs in vitro vascular-like structure formation and reduces in vivo angiogenesis. <i>FASEB Journal</i> , 2002, 16, 833-841.	0.5	102
13	Chemokines integrate JAK/STAT and G-protein pathways during chemotaxis and calcium flux responses. <i>European Journal of Immunology</i> , 2003, 33, 1328-1333.	2.9	101
14	Long-term in vivo imaging of human angiogenesis: Critical role of bone marrow-derived mesenchymal stem cells for the generation of durable blood vessels. <i>Microvascular Research</i> , 2008, 75, 308-314.	2.5	77
15	Activation of blood T lymphocytes down-regulates CXCR4 expression and interferes with propagation of X4 HIV strains. <i>European Journal of Immunology</i> , 1998, 28, 3192-3204.	2.9	71
16	Blocking HIV-1 infection via CCR5 and CXCR4 receptors by acting in trans on the CCR2 chemokine receptor. <i>EMBO Journal</i> , 2004, 23, 66-76.	7.8	68
17	Isolated IgA Anti- β 2 Glycoprotein I Antibodies in Patients with Clinical Criteria for Antiphospholipid Syndrome. <i>Journal of Immunology Research</i> , 2014, 2014, 1-8.	2.2	68
18	<i>Drosophila grim</i> induces apoptosis in mammalian cells. <i>EMBO Journal</i> , 1998, 17, 7199-7208.	7.8	63

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19	A PI3K activity-independent function of p85 regulatory subunit in control of mammalian cytokinesis. <i>EMBO Journal</i> , 2006, 25, 4740-4751.	7.8	62
20	IgA antibodies against β_2 glycoprotein I in hemodialysis patients are an independent risk factor for mortality. <i>Kidney International</i> , 2012, 81, 1239-1244.	5.2	60
21	Incidence of thromboembolic events in asymptomatic carriers of IgA anti β_2 glycoprotein-I antibodies. <i>PLoS ONE</i> , 2017, 12, e0178889.	2.5	54
22	Fullerenes as sorbent materials for benzene, toluene, ethylbenzene, and xylene isomers preconcentration. <i>Journal of Separation Science</i> , 2006, 29, 33-40.	2.5	51
23	Immunogenicity of Anti-SARS-CoV-2 Vaccines in Common Variable Immunodeficiency. <i>Journal of Clinical Immunology</i> , 2022, 42, 240-252.	3.8	48
24	Natural attenuation of diesel aliphatic hydrocarbons in contaminated agricultural soil. <i>Environmental Pollution</i> , 2008, 151, 494-502.	7.5	43
25	Mechanistic Aspects of the Induction of Apoptosis by Lauryl Gallate in the Murine B-Cell Lymphoma Line Wehi 231. <i>Archives of Biochemistry and Biophysics</i> , 2000, 383, 206-214.	3.0	38
26	Elevation of serum ferritin levels for predicting a poor outcome in hospitalized patients with influenza infection. <i>Clinical Microbiology and Infection</i> , 2020, 26, 1557.e9-1557.e15.	6.0	38
27	The Presence of Pretransplant Antiphospholipid Antibodies IgA Anti- β_2 -Glycoprotein I as a Predictor of Graft Thrombosis After Renal Transplantation. <i>Transplantation</i> , 2017, 101, 597-607.	1.0	34
28	Circulating Immune Complexes of IgA Bound to Beta 2 Glycoprotein are Strongly Associated with the Occurrence of Acute Thrombotic Events. <i>Journal of Atherosclerosis and Thrombosis</i> , 2016, 23, 1242-1253.	2.0	32
29	Predictive autoimmunity using autoantibodies: screening for anti-nuclear antibodies. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 1771-1777.	2.3	32
30	Heterogeneity between Diagnostic Tests for IgA anti-Beta2 Glycoprotein I: Explaining the Controversy in Studies of Association with Vascular Pathology. <i>Analytical Chemistry</i> , 2013, 85, 12093-12098.	6.5	31
31	Association of Early Kidney Allograft Failure with Preformed IgA Antibodies to β_2 -Glycoprotein I. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 735-745.	6.1	31
32	β_2 -Glycoprotein I/IgA Immune Complexes. <i>Circulation</i> , 2017, 135, 1922-1934.	1.6	30
33	Alterations in Circulating Monocytes Predict COVID-19 Severity and Include Chromatin Modifications Still Detectable Six Months after Recovery. <i>Biomedicines</i> , 2021, 9, 1253.	3.2	28
34	Antiphospholipid syndrome and IgA anti-beta2-glycoprotein I antibodies: when Cinderella becomes a princess. <i>Lupus</i> , 2018, 27, 177-178.	1.6	27
35	A role for HMGB1, HSP60 and Myd88 in growth of murine mammary carcinoma in vitro. <i>Cellular Immunology</i> , 2013, 282, 136-145.	3.0	25
36	Evaluation of three fully automated immunoassay systems for detection of IgA anti- β_2 glycoprotein I antibodies. <i>International Journal of Laboratory Hematology</i> , 2016, 38, 560-568.	1.3	25

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37	An Early Th1 Response Is a Key Factor for a Favorable COVID-19 Evolution. <i>Biomedicines</i> , 2022, 10, 296.	3.2	25
38	Renal Transplantation Dramatically Reduces IgA Anti-beta-2-glycoprotein I Antibodies in Patients with Endstage Renal Disease. <i>Journal of Immunology Research</i> , 2014, 2014, 1-10.	2.2	24
39	A better definition of the anti-DFS70 antibody screening by IIF methods. <i>Journal of Immunological Methods</i> , 2018, 461, 110-116.	1.4	23
40	The Weight of IgA Anti- β 2glycoprotein I in the Antiphospholipid Syndrome Pathogenesis: Closing the Gap of Seronegative Antiphospholipid Syndrome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8972.	4.1	23
41	A Short Corticosteroid Course Reduces Symptoms and Immunological Alterations Underlying Long-COVID. <i>Biomedicines</i> , 2021, 9, 1540.	3.2	23
42	Detection of circulating immune complexes of human IgA and beta 2 glycoprotein I in patients with antiphospholipid syndrome symptomatology. <i>Journal of Immunological Methods</i> , 2015, 422, 51-58.	1.4	21
43	Response to "On the dimerization of CCR5". <i>Nature Immunology</i> , 2005, 6, 535-536.	14.5	20
44	Assessment of natural attenuation of volatile aromatic hydrocarbons in agricultural soil contaminated with diesel fuel. <i>Environmental Pollution</i> , 2006, 144, 203-209.	7.5	20
45	Synaptonemal complex assembly and H3K4Me3 demethylation determine DDO3 localization in meiosis. <i>Chromosoma</i> , 2009, 118, 617-632.	2.2	19
46	Generation of non-permissive basement membranes by anti-laminin antibody fragments produced by matrix-embedded gene-modified cells. <i>Cancer Immunology, Immunotherapy</i> , 2003, 52, 643-647.	4.2	18
47	Phenotypic and functional evaluation of CD3+CD4-CD8- T cells in human CD8 immunodeficiency. <i>Haematologica</i> , 2011, 96, 1195-1203.	3.5	18
48	Autoimmune lymphoproliferative syndrome (ALPS) in a patient with a new germline Fas gene mutation. <i>Immunobiology</i> , 2007, 212, 73-83.	1.9	17
49	Early mortality after heart transplantation related to IgA anti- β 2-glycoprotein I antibodies. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 1258-1265.	0.6	16
50	Presence of Immune Complexes of IgG/IgM Bound to B2-glycoprotein I Is Associated With Non-criteria Clinical Manifestations in Patients With Antiphospholipid Syndrome. <i>Frontiers in Immunology</i> , 2018, 9, 2644.	4.8	16
51	Perforin gene variant A91V in young patients with severe COVID-19.. <i>Haematologica</i> , 2020, 105, 2844-2846.	3.5	16
52	Multilogistic regression by evolutionary neural network as a classification tool to discriminate highly overlapping signals: Qualitative investigation of volatile organic compounds in polluted waters by using headspace-mass spectrometric analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008, 92, 179-185.	3.5	15
53	New techniques developed to quantify the impurities of olive stone as solid biofuel. <i>Renewable Energy</i> , 2015, 78, 566-572.	8.9	15
54	Beta-2-Glycoprotein I Deficiency Could Precipitate an Antiphospholipid Syndrome-Like Prothrombotic Situation in Patients With Coronavirus Disease 2019. <i>ACR Open Rheumatology</i> , 2021, 3, 267-276.	2.1	15

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55	Antiphospholipid Syndrome and Renal Allograft Thrombosis. <i>Transplantation</i> , 2019, 103, 481-486.	1.0	14
56	Presence of Extra-Criteria Antiphospholipid Antibodies Is an Independent Risk Factor for Ischemic Stroke. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 665741.	2.4	14
57	Assessment of near infrared spectroscopy for energetic characterization of olive byproducts. <i>Renewable Energy</i> , 2015, 74, 599-605.	8.9	13
58	Pretransplant IgA-Anti-Beta 2 Glycoprotein I Antibodies As a Predictor of Early Graft Thrombosis after Renal Transplantation in the Clinical Practice: A Multicenter and Prospective Study. <i>Frontiers in Immunology</i> , 2018, 9, 468.	4.8	13
59	High Transfection Efficiency of Human Umbilical Vein Endothelial Cells Using an Optimized Calcium Phosphate Method. <i>Analytical Biochemistry</i> , 2001, 296, 143-147.	2.4	12
60	Enhancing Sensitivity in Headspace-Mass Spectrometric Determination of BTEX in Drinking Water. <i>Analytical Chemistry</i> , 2007, 79, 2997-3002.	6.5	12
61	The IgA Isotype of Anti- β 2 Glycoprotein I Antibodies Recognizes Epitopes in Domains 3, 4, and 5 That Are Located in a Lateral Zone of the Molecule (L-Shaped). <i>Frontiers in Immunology</i> , 2019, 10, 1031.	4.8	12
62	Peripheral Blood Regulatory T Cells in Long-Term Kidney Transplant Recipients. <i>Transplantation Proceedings</i> , 2009, 41, 2360-2362.	0.6	11
63	Anti-Phosphatidylserine/Prothrombin Antibodies in Healthy Women with Unexplained Recurrent Pregnancy Loss. <i>Journal of Clinical Medicine</i> , 2021, 10, 2094.	2.4	11
64	Anti-Phospholipid Antibodies and COVID-19 Thrombosis: A Co-Star, Not a Supporting Actor. <i>Biomedicines</i> , 2021, 9, 899.	3.2	10
65	Thioesterase and protein deacylase activities of porcine pancreatic phospholipase A2. <i>Lipids and Lipid Metabolism</i> , 1996, 1299, 17-22.	2.6	9
66	Suppression of HIV-1 infection in linomide-treated SCID-hu-PBL mice. <i>Aids</i> , 1998, 12, 865-872.	2.2	9
67	A framework for computational and experimental methods: Identifying dimerization residues in CCR chemokine receptors. <i>Bioinformatics</i> , 2005, 21, ii13-ii18.	4.1	9
68	Antiphospholipid Syndrome and Kidney Involvement: New Insights. <i>Antibodies</i> , 2016, 5, 17.	2.5	9
69	Lauryl Gallate Inhibits the Activity of Protein Tyrosine Kinase c-Src Purified from Human Platelets. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2001, 16, 527-533.	0.5	8
70	Isolated De Novo Antiendothelial Cell Antibodies and Kidney Transplant Rejection. <i>American Journal of Kidney Diseases</i> , 2016, 68, 933-943.	1.9	8
71	Immune Complexes of Beta-2-Glycoprotein I and IgA Antiphospholipid Antibodies Identify Patients With Elevated Risk of Thrombosis and Early Mortality After Heart Transplantation. <i>Frontiers in Immunology</i> , 2019, 10, 2891.	4.8	8
72	Early Posttransplant Mobilization of Monocytic Myeloid-derived Suppressor Cell Correlates With Increase in Soluble Immunosuppressive Factors and Predicts Cancer in Kidney Recipients. <i>Transplantation</i> , 2020, 104, 2599-2608.	1.0	8

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73	Comparison of several functional methods to evaluate the immune response on stable kidney transplant patients. <i>Journal of Immunological Methods</i> , 2014, 403, 62-65.	1.4	7
74	A predictive score at admission for respiratory failure among hospitalized patients with confirmed 2019 Coronavirus Disease: a simple tool for a complex problem. <i>Internal and Emergency Medicine</i> , 2021, , 1.	2.0	7
75	Antigens and Antibodies of the Antiphospholipid Syndrome as New Allies in the Pathogenesis of COVID-19 Coagulopathy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4946.	4.1	7
76	G Protein-Coupled Receptor Dimerization and Signaling. , 2006, 332, 141-158.		6
77	An In Vitro Model of Cell Transplantation for Evaluation of Cell Engraftment Enhancers. <i>Transplantation Proceedings</i> , 2009, 41, 2487-2490.	0.6	5
78	Discrimination between alternate membrane protein topologies in living cells using GFP/YFP tagging and pH exchange. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 3345-3354.	5.4	5
79	Clinical Value of a Single Determination of Intracellular ATP Levels in Stimulated CD4+ T Lymphocytes in Pediatric Patients With Stable Liver Transplantation. <i>Transplantation Proceedings</i> , 2012, 44, 2622-2624.	0.6	4
80	A Multifaceted Role for Myd88-Dependent Signaling in Progression of Murine Mammary Carcinoma. <i>Breast Cancer: Basic and Clinical Research</i> , 2016, 10, BCBCR.S40075.	1.1	4
81	Snorting the Brain Away: Cerebral Damage as an Extension of Cocaine-Induced Midline Destructive Lesions. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 1365-1369.	1.7	4
82	In Vitro Evaluation of New Possible Cell Engraftment Enhancers for Cell Transplantation. <i>Transplantation Proceedings</i> , 2010, 42, 671-672.	0.6	3
83	Study of Î²2â€“Glycoprotein I Polymorphisms in Patients With Chronic Renal Failure as a Predisposing Factor for the Development of Antiâ€“Î²2â€“Glycoprotein I Auto-Antibodies. <i>Transplantation Proceedings</i> , 2016, 48, 2876-2879.	0.6	3
84	A Predictive Score at Admission for Respiratory Failure Among Hospitalized Patients with Confirmed 2019 Coronavirus Disease: A Simple Tool for a Complex Problem. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
85	Effective Natural Killer Cell Degranulation Is an Essential Key in COVID-19 Evolution. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6577.	4.1	3
86	Prospective Study on Autoantibodies Against Apolipoprotein H (Î²2GPI) in Several Clinical Parameters From Patients With Terminal Renal Failure and Functioning Renal Transplants. <i>Transplantation Proceedings</i> , 2009, 41, 2370-2372.	0.6	2
87	Blockade of Endothelial Gi Protein Enhances Early Engraftment in Intraportal Cell Transplant to Mouse Liver. <i>Cell Transplantation</i> , 2012, 21, 1383-1396.	2.5	2
88	What are the Management Issues for Hepatitis C in Dialysis Patients?. <i>Seminars in Dialysis</i> , 2014, 27, 459-462.	1.3	2
89	Influenza A-Associated In-Hospital Mortality in Very Older People: Does Inflammation Also Play a Role?. <i>Gerontology</i> , 2022, 68, 780-788.	2.8	2
90	Algorithm for antinuclear antibodies in subjects with clinical suspicion of autoimmune diseases. <i>Clinical and Experimental Rheumatology</i> , 2020, 38, 633-639.	0.8	2

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91	Blockade of cell adhesion molecules enhances cell engraftment in a murine model of liver cell transplantation. <i>Transplant Immunology</i> , 2016, 35, 7-11.	1.2	1
92	Editorial: Primary Antiphospholipid Syndrome. <i>Frontiers in Immunology</i> , 2020, 11, 1993.	4.8	1
93	Antiphospholipid antibodies quantification using ALBIA technology: how to define an optimal cutoff?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, e454-e457.	2.3	1
94	COVID-19 coagulopathy and antiphospholipid syndrome. <i>Revista Colombiana De Reumatología</i> , 2022, 29, S25-S34.	0.1	1
95	Antiphospholipid immune complexes as thrombosis risk marker. <i>Oncotarget</i> , 2019, 10, 805-806.	1.8	1
96	Chemokine Signaling: The Functional Importance of Stabilizing Receptor Conformations. , 2005, , 153-170.		0
97	Large Evaluation of Anti-Cardiolipin and anti-Î²2 Glycoprotein I Assays: Results from the Autoimmunity Workshop of the Spanish Society of Immunology. <i>Inmunologia (Barcelona, Spain: 1987)</i> , 2009, 28, 74-78.	0.1	0
98	Taller de Autoinmunidad 2013 de la Sociedad Española de Inmunología. Anticuerpos anticitoplasma de neutrófilo (ANCA). <i>Inmunologia (Barcelona, Spain: 1987)</i> , 2013, 32, 148-156.	0.1	0
99	SO026PRE-TRANSPLANT ANTIBODIES IGA-ANTI-BETA 2 GLICOPROTEIN I: A NEW PREDICTOR OF GRAFT THROMBOSIS AFTER RENAL TRANSPLANTATION. <i>Nephrology Dialysis Transplantation</i> , 2017, 32, iii15-iii15.	0.7	0
100	Searching for New Biomarkers more Specific for Graft Loss after Renal Transplantation by Thrombosis. <i>Transplantation</i> , 2018, 102, S187-S188.	1.0	0
101	Pre-transplant antibodies IgA-anti Beta 2 Glycoprotein I. <i>Transplantation</i> , 2018, 102, S189.	1.0	0
102	New Biomarker to Predict Thrombosis in Patients with Antiphospholipid Antibodies: Immune Complexes of Beta 2 Glycoprotein 1. <i>Israel Medical Association Journal</i> , 2017, 19, 646-647.	0.1	0