

Andrés García-Montero

List of Publications by Year in descending order

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107
papers

38,139
citations

66343

42
h-index

33894

99
g-index

107
all docs

107
docs citations

107
times ranked

64917
citing authors

#	ARTICLE	IF	CITATIONS
1	A global reference for human genetic variation. <i>Nature</i> , 2015, 526, 68-74.	27.8	13,998
2	The variant call format and VCFtools. <i>Bioinformatics</i> , 2011, 27, 2156-2158.	4.1	11,326
3	An integrated map of genetic variation from 1,092 human genomes. <i>Nature</i> , 2012, 491, 56-65.	27.8	7,199
4	KIT mutation in mast cells and other bone marrow hematopoietic cell lineages in systemic mast cell disorders: a prospective study of the Spanish Network on Mastocytosis (REMA) in a series of 113 patients. <i>Blood</i> , 2006, 108, 2366-2372.	1.4	447
5	Integrating sequence and array data to create an improved 1000 Genomes Project haplotype reference panel. <i>Nature Communications</i> , 2014, 5, 3934.	12.8	364
6	Integrative Annotation of Variants from 1092 Humans: Application to Cancer Genomics. <i>Science</i> , 2013, 342, 1235587.	12.6	341
7	Clinical, biological, and molecular characteristics of clonal mast cell disorders presenting with systemic mast cell activation symptoms. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 1269-1278.e2.	2.9	263
8	Prognosis in adult indolent systemic mastocytosis: A long-term study of the Spanish Network on Mastocytosis in a series of 145 patients. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 124, 514-521.	2.9	252
9	KIT mutation analysis in mast cell neoplasms: recommendations of the European Competence Network on Mastocytosis. <i>Leukemia</i> , 2015, 29, 1223-1232.	7.2	229
10	Recent advances in the understanding of mastocytosis: the role of <i>KIT</i> mutations*. <i>British Journal of Haematology</i> , 2007, 138, 12-30.	2.5	205
11	Quality, quantity and harmony: the DataSHaPER approach to integrating data across bioclinical studies. <i>International Journal of Epidemiology</i> , 2010, 39, 1383-1393.	1.9	148
12	Immunophenotypic analysis of mast cells in mastocytosis: When and how to do it. Proposals of the Spanish Network on Mastocytosis (REMA). <i>Cytometry Part B - Clinical Cytometry</i> , 2004, 58B, 1-8.	1.5	130
13	Mast cells from different molecular and prognostic subtypes of systemic mastocytosis display distinct immunophenotypes. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 719-726.e4.	2.9	128
14	Validation of the REMA Score for Predicting Mast Cell Clonality and Systemic Mastocytosis in Patients with Systemic Mast Cell Activation Symptoms. <i>International Archives of Allergy and Immunology</i> , 2012, 157, 275-280.	2.1	126
15	Nonaggressive systemic mastocytosis (SM) without skin lesions associated with insect-induced anaphylaxis shows unique features versus other indolent SM. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 520-528.e5.	2.9	118
16	Safety and effectiveness of immunotherapy in patients with indolent systemic mastocytosis presenting with Hymenoptera venom anaphylaxis. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 121, 519-526.	2.9	117
17	Urine metabolome profiling of immune-mediated inflammatory diseases. <i>BMC Medicine</i> , 2016, 14, 133.	5.5	97
18	Evaluation of the WHO criteria for the classification of patients with mastocytosis. <i>Modern Pathology</i> , 2011, 24, 1157-1168.	5.5	89

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19	Detection of the KIT D816V mutation in peripheral blood of systemic mastocytosis: diagnostic implications. <i>Modern Pathology</i> , 2015, 28, 1138-1149.	5.5	88
20	Is rigorous retrospective harmonization possible? Application of the DataSHaPER approach across 53 large studies. <i>International Journal of Epidemiology</i> , 2011, 40, 1314-1328.	1.9	84
21	Imatinib in systemic mastocytosis: a phase IV clinical trial in patients lacking exon 17 <i>KIT</i> mutations and review of the literature. <i>Oncotarget</i> , 2017, 8, 68950-68963.	1.8	83
22	MARS: Mutation-Adjusted Risk Score for Advanced Systemic Mastocytosis. <i>Journal of Clinical Oncology</i> , 2019, 37, 2846-2856.	1.6	82
23	p8-deficient fibroblasts grow more rapidly and are more resistant to adriamycin-induced apoptosis. <i>Oncogene</i> , 2002, 21, 1685-1694.	5.9	80
24	Risk variants for psoriasis vulgaris in a large case-control collection and association with clinical subphenotypes. <i>Human Molecular Genetics</i> , 2012, 21, 4549-4557.	2.9	79
25	CD30 expression by bone marrow mast cells from different diagnostic variants of systemic mastocytosis. <i>Histopathology</i> , 2013, 63, 780-787.	2.9	77
26	Monoclonal TCR ^{Vβ13.1} /CD4 ⁺ /NKa ⁺ /CD8 ⁺ /dim T-LGL lymphocytosis: evidence for an antigen-driven chronic T-cell stimulation origin. <i>Blood</i> , 2007, 109, 4890-4898.	1.4	72
27	Human genomic regions with exceptionally high levels of population differentiation identified from 911 whole-genome sequences. <i>Genome Biology</i> , 2014, 15, R88.	9.6	72
28	Clinical, immunophenotypic, and molecular characteristics of well-differentiated systemic mastocytosis. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 168-178.e1.	2.9	72
29	Clinicobiological, Immunophenotypic, and Molecular Characteristics of Monoclonal CD56 ⁺ /dim Chronic Natural Killer Cell Large Granular Lymphocytosis. <i>American Journal of Pathology</i> , 2004, 165, 1117-1127.	3.8	60
30	Combined vaccination with idiotype-pulsed allogeneic dendritic cells and soluble protein idiotype for multiple myeloma patients relapsing after reduced-intensity conditioning allogeneic stem cell transplantation. <i>Leukemia and Lymphoma</i> , 2006, 47, 29-37.	1.3	60
31	An immature immunophenotype of bone marrow mast cells predicts for multilineage D816V KIT mutation in systemic mastocytosis. <i>Leukemia</i> , 2012, 26, 951-958.	7.2	58
32	Immunophenotyping in systemic mastocytosis diagnosis: 'CD25 positive' alone is more informative than the 'CD25 and/or CD2' WHO criterion. <i>Modern Pathology</i> , 2012, 25, 516-521.	5.5	55
33	Expanded cells in monoclonal TCR ^{Vβ13.1} /CD4 ⁺ /NKa ⁺ /CD8 ⁺ /dim T-LGL lymphocytosis recognize hCMV antigens. <i>Blood</i> , 2008, 112, 4609-4616.	1.4	54
34	A new simple whole blood flow cytometry-based method for simultaneous identification of activated cells and quantitative evaluation of cytokines released during activation. <i>Laboratory Investigation</i> , 2004, 84, 1387-1398.	3.7	52
35	Expression of the stress-induced p8 mRNA is transiently activated after culture medium change. <i>European Journal of Cell Biology</i> , 2001, 80, 720-725.	3.6	51
36	Molecular Characterization of a Novel Immune Receptor Restricted to the Monocytic Lineage. <i>Journal of Immunology</i> , 2004, 173, 6703-6711.	0.8	51

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37	Increased IL6 plasma levels in indolent systemic mastocytosis patients are associated with high risk of disease progression. <i>Leukemia</i> , 2016, 30, 124-130.	7.2	49
38	Flow Cytometric Analysis of Normal and Neoplastic Mast Cells: Role in Diagnosis and Follow-Up of Mast Cell Disease. <i>Immunology and Allergy Clinics of North America</i> , 2006, 26, 535-547.	1.9	47
39	The immunophenotype of mast cells and its utility in the diagnostic work-up of systemic mastocytosis. <i>Journal of Leukocyte Biology</i> , 2015, 97, 49-59.	3.3	47
40	Transforming growth factor β -1 enhances Smad transcriptional activity through activation of p8 gene expression. <i>Biochemical Journal</i> , 2001, 357, 249-253.	3.7	46
41	Identification of Risk Loci for Crohn's Disease Phenotypes Using a Genome-Wide Association Study. <i>Gastroenterology</i> , 2015, 148, 794-805.	1.3	46
42	Frequency and prognostic impact of KIT and other genetic variants in indolent systemic mastocytosis. <i>Blood</i> , 2019, 134, 456-468.	1.4	44
43	Genetic variation at the glycosaminoglycan metabolism pathway contributes to the risk of psoriatic arthritis but not psoriasis. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 355-364.	0.9	44
44	Mice with targeted disruption of p8 gene show increased sensitivity to lipopolysaccharide and DNA microarray analysis of livers reveals an aberrant gene expression response. <i>BMC Gastroenterology</i> , 2003, 3, 25.	2.0	42
45	A genome-wide association study on a southern European population identifies a new Crohn's disease susceptibility locus at <i>17q21.31</i> . <i>Gut</i> , 2013, 62, 1440-1445.	12.1	42
46	Impact of somatic and germline mutations on the outcome of systemic mastocytosis. <i>Blood Advances</i> , 2018, 2, 2814-2828.	5.2	42
47	Structural and functional characterization of the mouse p8 gene: promotion of transcription by the CAAT-enhancer binding protein 1 (C/EBP1) and C/EBP2 trans-acting factors involves a C/EBP cis-acting element and other regions of the promoter. <i>Biochemical Journal</i> , 1999, 343, 377-383.	3.7	39
48	A genome-wide association study identifies a novel locus at 6q22.1 associated with ulcerative colitis. <i>Human Molecular Genetics</i> , 2014, 23, 6927-6934.	2.9	39
49	Proposed global prognostic score for systemic mastocytosis: a retrospective prognostic modelling study. <i>Lancet Haematology</i> , 2021, 8, e194-e204.	4.6	39
50	Transforming growth factor β -1 enhances Smad transcriptional activity through activation of p8 gene expression. <i>Biochemical Journal</i> , 2001, 357, 249.	3.7	34
51	Membrane cholesterol in the regulation of aminophospholipid asymmetry and phagocytosis in oxidized erythrocytes. <i>Free Radical Biology and Medicine</i> , 2007, 42, 1106-1118.	2.9	34
52	KIT D816V-mutated bone marrow mesenchymal stem cells in indolent systemic mastocytosis are associated with disease progression. <i>Blood</i> , 2016, 127, 761-768.	1.4	33
53	A new method for detecting TNF- α -secreting cells using direct-immunofluorescence surface membrane stainings. <i>Journal of Immunological Methods</i> , 2002, 264, 77-87.	1.4	30
54	Gene expression profile of highly purified bone marrow mast cells in systemic mastocytosis. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1213-1224.e4.	2.9	30

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55	The pancreatitis-associated protein induces lung inflammation in the rat through activation of TNF α expression in hepatocytes. <i>Journal of Pathology</i> , 2003, 199, 398-408.	4.5	29
56	Serum Tryptase Monitoring in Indolent Systemic Mastocytosis: Association with Disease Features and Patient Outcome. <i>PLoS ONE</i> , 2013, 8, e76116.	2.5	29
57	Somatic D816V KIT mutation in a case of adult-onset familial mastocytosis. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 605-607.	2.9	27
58	The impact of sensitive KIT D816V detection on recognition of Indolent Systemic Mastocytosis. <i>Leukemia Research</i> , 2015, 39, 273-278.	0.8	27
59	Genome-Wide Pathway Analysis Identifies Genetic Pathways Associated with Psoriasis. <i>Journal of Investigative Dermatology</i> , 2016, 136, 593-602.	0.7	27
60	Therapeutic and Protective Effect of Subcutaneous Injections of L-364, 718 on Caerulein-Induced Acute Pancreatitis. <i>Pancreas</i> , 1994, 9, 309-315.	1.1	24
61	CD45 expression on rat acinar cells: Involvement in pro-inflammatory cytokine production. <i>FEBS Letters</i> , 2005, 579, 6355-6360.	2.8	23
62	Mast cell-related disorders presenting with Kounis syndrome. <i>International Journal of Cardiology</i> , 2012, 161, 56-58.	1.7	23
63	Cell Purification: A New Challenge for Biobanks. <i>Pathobiology</i> , 2014, 81, 261-275.	3.8	23
64	Phenotypic profile of expanded NK cells in chronic lymphoproliferative disorders: a surrogate marker for NK-cell clonality. <i>Oncotarget</i> , 2015, 6, 42938-42951.	1.8	23
65	Enzyme Changes in Zymogen Granules and in Pancreatic Secretion Throughout Long-Term CCK Treatment. <i>Peptides</i> , 1997, 18, 101-110.	2.4	22
66	Current state of biology and diagnosis of clonal mast cell diseases in adults. <i>International Journal of Laboratory Hematology</i> , 2012, 34, 445-460.	1.3	21
67	Ex vivo identification and characterization of a population of CD13 ^{high} CD105 ⁺ CD45 ^{low} mesenchymal stem cells in human bone marrow. <i>Stem Cell Research and Therapy</i> , 2015, 6, 169.	5.5	21
68	Complete response to gemtuzumab ozogamicin in a patient with refractory mast cell leukemia. <i>Leukemia</i> , 2016, 30, 1753-1756.	7.2	21
69	Systemic mastocytosis associated with acute myeloid leukemia: case report and implications for disease pathogenesis. <i>Journal of Allergy and Clinical Immunology</i> , 2004, 114, 28-33.	2.9	20
70	Redox-sensitive modulation of CD45 expression in pancreatic acinar cells during acute pancreatitis. <i>Journal of Pathology</i> , 2006, 210, 234-239.	4.5	18
71	A deletion at ADAMTS9-MAGI1 locus is associated with psoriatic arthritis risk. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 1875-1881.	0.9	18
72	Structural and functional characterization of the mouse p8 gene: promotion of transcription by the CAAT-enhancer binding protein 1 (C/EBP1) and C/EBP2 trans-acting factors involves a C/EBP cis-acting element and other regions of the promoter. <i>Biochemical Journal</i> , 1999, 343, 377.	3.7	18

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73	Diagnosis and classification of mastocytosis in non-specialized versus reference centres: a Spanish Network on Mastocytosis (REMA) study on 122 patients. <i>British Journal of Haematology</i> , 2016, 172, 56-63.	2.5	15
74	Flow Cytometry in Mastocytosis. <i>Immunology and Allergy Clinics of North America</i> , 2014, 34, 297-313.	1.9	14
75	A genome-wide association study identifies <i>SLC8A3</i> as a susceptibility locus for ACPA-positive rheumatoid arthritis. <i>Rheumatology</i> , 2016, 55, 1106-1111.	1.9	14
76	Genome-wide association study identifies novel susceptibility loci for KIT D816V positive mastocytosis. <i>American Journal of Human Genetics</i> , 2021, 108, 284-294.	6.2	12
77	Implementation of a Cost-Accounting Model in a Biobank: Practical Implications. <i>Pathobiology</i> , 2014, 81, 286-297.	3.8	9
78	Bone Marrow Mast Cell Antibody-Targetable Cell Surface Protein Expression Profiles in Systemic Mastocytosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 552.	4.1	9
79	Adrenalectomy induces a decrease in the light scatter properties and amylase content of isolated zymogen granules from rat pancreas as analyzed by flow cytometry. <i>Journal of Endocrinology</i> , 1995, 147, 431-440.	2.6	8
80	Clinical, Biological And Molecular Characteristics Of Mast Cell Activation Disorders: A Prospective Study In 62 Patients By The Spanish Network On Mastocytosis (REMA).. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 123, S141-S141.	2.9	8
81	Frequency and prognostic impact of blood-circulating tumor mast cells in mastocytosis. <i>Blood</i> , 2022, 139, 572-583.	1.4	8
82	Cholecystokinin regulates glycoprotein membrane composition of rat pancreatic zymogen granules. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997, 1326, 131-137.	2.6	7
83	Selective exocytosis of zymogen granules induces non-parallel secretion in short-term cholecystokinin-stimulated rats. <i>Journal of Endocrinology</i> , 1999, 163, 199-206.	2.6	7
84	Association between the HLA haplotype and the TCR-V β 2 repertoire of anti-hCMV specific memory T-cells in immunocompetent healthy adults. <i>Cytometry Part B - Clinical Cytometry</i> , 2007, 72B, 371-379.	1.5	7
85	Frequency of clonal mast cell diseases among patients presenting with anaphylaxis: A prospective study in 178 patients from 5 tertiary centers in Spain. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 2924-2926.e1.	3.8	7
86	Hydrocortisone induces an increase of amylase content in individual zymogen granules from rat pancreas. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1997, 62, 439-448.	2.5	6
87	Diagnosis of Adult Mastocytosis: Role for Bone Marrow Analysis. , 2012, , 388-398.		6
88	Flow Cytometry Criteria for Systemic Mastocytosis: Bone Marrow Mast Cell Counts Do Not Always Count. <i>American Journal of Clinical Pathology</i> , 2013, 139, 404-406.	0.7	6
89	Identification of <i>IRX1</i> as a Risk Locus for Rheumatoid Factor Positivity in Rheumatoid Arthritis in a Genome-Wide Association Study. <i>Arthritis and Rheumatology</i> , 2016, 68, 1384-1391.	5.6	6
90	Glucocorticoids regulate l-fucose glycoconjugates in rat pancreatic zymogen granules. <i>Molecular and Cellular Endocrinology</i> , 1997, 133, 117-125.	3.2	5

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91	Zymogen granule alterations in caerulein-induced pancreatitis developed during continuous hydrocortisone administration. <i>European Journal of Clinical Investigation</i> , 1999, 29, 496-503.	3.4	5
92	The recovery of acute pancreatitis depends on the enzyme amount stored in zymogen granules at early stages. <i>Molecular and Cellular Biochemistry</i> , 1999, 200, 35-41.	3.1	5
93	Pathogenic and diagnostic relevance of KIT in primary mast cell activation disorders. <i>Annals of Allergy, Asthma and Immunology</i> , 2021, 127, 427-434.	1.0	5
94	Long-Term Blockade of Cholecystokinin (CCK). <i>Pancreas</i> , 1997, 15, 314-322.	1.1	4
95	Indolent systemic mastocytosis without skin involvement vs. isolated bone marrow mastocytosis. <i>Haematologica</i> , 2011, 96, e26-e26.	3.5	4
96	Genetic association between CD96 locus and immunogenicity to anti-TNF therapy in Crohn's disease. <i>Pharmacogenomics Journal</i> , 2019, 19, 547-555.	2.0	4
97	Comprehensive Analysis of Acquired Genetic Variants and Their Prognostic Impact in Systemic Mastocytosis. <i>Cancers</i> , 2022, 14, 2487.	3.7	4
98	Effect of cholecystokinin blockade on the recovery of alterations induced by acute pancreatitis in glycoconjugates of rat zymogen granules. <i>Glycoconjugate Journal</i> , 1998, 15, 923-928.	2.7	3
99	Indolent Systemic Mastocytosis with Germline D816V Somatic c-kit Mutation Evolving to an Acute Myeloid Leukemia. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, S125.	2.9	2
100	Management of Type II Systemic Mastocytosis (SM-AHNMD) with Hydroxyurea. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, S70.	2.9	1
101	Effects of the Cholecystokinin Receptor Antagonist L-364,718 on Pancreatitis Induced by a Deficient in Choline and Supplemented with Ethionine (CDE) Diet in the Rat. <i>Archives of Physiology and Biochemistry</i> , 1995, 103, 410-415.	2.1	0
102	Flow Cytometric Analysis of Cytokine Responses in Stimulated Whole Blood: Simultaneous Quantitation of TNF- α -Secreting Cells and Soluble Cytokines. , 2003, Chapter 9, Unit 9.21.		0
103	Integral Diagnosis of Adult Mastocytosis. Impact of the Different Clinical, Biologic, Immunophenotypic and Molecular Parameters in the Diagnosis and Classification of the disease. A Prospective Study by Spanish Network on Mastocytosis (REMA) in 191 cases. <i>Journal of Allergy and Clinical Immunology</i> . 2008. 121. S113-S113.	2.9	0
104	Validation of the REMA Score for Predicting Systemic Mastocytosis in Patients with Mast Cell Activation Disorders. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, AB248-AB248.	2.9	0
105	P665 A genome-wide association study identifies DSE-FAM26F as a risk locus for ulcerative colitis. <i>Journal of Crohn's and Colitis</i> , 2014, 8, S348.	1.3	0
106	The Hydrophathy Index of the HCDR3 Region of the B-Cell Receptor Identifies Two Subgroups of IGHV-Mutated Chronic Lymphocytic Leukemia Patients With Distinct Outcome. <i>Frontiers in Oncology</i> , 2021, 11, 723722.	2.8	0
107	KIT D816V Mutation Positive Bone Marrow Mesenchymal Stem Cells in Indolent Systemic Mastocytosis Are Associated with Disease Progression. <i>Blood</i> , 2015, 126, 4058-4058.	1.4	0