Ignacio Sanz

List of Publications by Year in descending order

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31976 25787 13,165 136 53 108 citations h-index g-index papers 148 148 148 15740 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	B cell depletion as a novel treatment for systemic lupus erythematosus: A phase I/II doseâ€escalation trial of rituximab. Arthritis and Rheumatism, 2004, 50, 2580-2589.	6.7	729
2	Distinct Effector B Cells Induced by Unregulated Toll-like Receptor 7 Contribute to Pathogenic Responses in Systemic Lupus Erythematosus. Immunity, 2018, 49, 725-739.e6.	14.3	661
3	Identification of a B cell signature associated with renal transplant tolerance in humans. Journal of Clinical Investigation, 2010, 120, 1836-1847.	8.2	623
4	Extrafollicular B cell responses correlate with neutralizing antibodies and morbidity in COVID-19. Nature Immunology, 2020, 21, 1506-1516.	14.5	563
5	A New Population of Cells Lacking Expression of CD27 Represents a Notable Component of the B Cell Memory Compartment in Systemic Lupus Erythematosus. Journal of Immunology, 2007, 178, 6624-6633.	0.8	512
6	Rapid isolation and profiling of a diverse panel of human monoclonal antibodies targeting the SARS-CoV-2 spike protein. Nature Medicine, 2020, 26, 1422-1427.	30.7	450
7	Diversity, cellular origin and autoreactivity of antibody-secreting cell population expansions in acute systemic lupus erythematosus. Nature Immunology, 2015, 16, 755-765.	14.5	434
8	Rituximab improves peripheral B cell abnormalities in human systemic lupus erythematosus. Arthritis and Rheumatism, 2004, 50, 3580-3590.	6.7	426
9	Long-Lived Plasma Cells Are Contained within the CD19â°'CD38hiCD138+ Subset in Human Bone Marrow. Immunity, 2015, 43, 132-145.	14.3	415
10	Dysregulation of germinal centres in autoimmune disease. Nature Reviews Immunology, 2009, 9, 845-857.	22.7	389
11	Digestion of Chromatin in Apoptotic Cell Microparticles Prevents Autoimmunity. Cell, 2016, 166, 88-101.	28.9	340
12	Challenges and Opportunities for Consistent Classification of Human B Cell and Plasma Cell Populations. Frontiers in Immunology, 2019, 10, 2458.	4.8	323
13	Phenotypic and functional heterogeneity of human memory B cells. Seminars in Immunology, 2008, 20, 67-82.	5.6	321
14	Germinal center exclusion of autoreactive B cells is defective in human systemic lupus erythematosus. Journal of Clinical Investigation, 2005, 115, 3205-3216.	8.2	297
15	Delayed memory B cell recovery in peripheral blood and lymphoid tissue in systemic lupus erythematosus after B cell depletion therapy. Arthritis and Rheumatism, 2007, 56, 3044-3056.	6.7	268
16	Malaria-associated atypical memory B cells exhibit markedly reduced B cell receptor signaling and effector function. ELife, 2015, 4, .	6.0	260
17	Novel Human Transitional B Cell Populations Revealed by B Cell Depletion Therapy. Journal of Immunology, 2009, 182, 5982-5993.	0.8	248
18	Regulation of inherently autoreactive VH4-34 B cells in the maintenance of human B cell tolerance. Journal of Clinical Investigation, 2001, 108, 1061-1070.	8.2	239

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19	Advances in Human B Cell Phenotypic Profiling. Frontiers in Immunology, 2012, 3, 302.	4.8	219
20	B cells as therapeutic targets in SLE. Nature Reviews Rheumatology, 2010, 6, 326-337.	8.0	218
21	Polyclonal Rabbit Antithymocyte Globulin Triggers B-Cell and Plasma Cell Apoptosis by Multiple Pathways. Transplantation, 2005, 79, 1507-1515.	1.0	217
22	Lupus IgG VH4.34 Antibodies Bind to a 220-kDa Glycoform of CD45/B220 on the Surface of Human B Lymphocytes. Journal of Immunology, 2004, 172, 4298-4307.	0.8	206
23	Effect of longâ€term belimumab treatment on b cells in systemic lupus erythematosus: Extension of a phase II, doubleâ€blind, placeboâ€controlled, doseâ€ranging study. Arthritis and Rheumatism, 2010, 62, 201-210.	6.7	198
24	Extrafollicular responses in humans and <scp>SLE</scp> . Immunological Reviews, 2019, 288, 136-148.	6.0	179
25	Elucidation of seventeen human peripheral blood Bâ€cell subsets and quantification of the tetanus response using a densityâ€based method for the automated identification of cell populations in multidimensional flow cytometry data. Cytometry Part B - Clinical Cytometry, 2010, 78B, S69-82.	1.5	178
26	Epigenetic programming underpins B cell dysfunction in human SLE. Nature Immunology, 2019, 20, 1071-1082.	14.5	142
27	The intersection of COVID-19 and autoimmunity. Journal of Clinical Investigation, 2021, 131, .	8.2	138
28	CpG DNA activation and plasma-cell differentiation of CD27â^' naive human B cells. Blood, 2007, 109, 1611-1619.	1.4	131
29	Inhibition of proliferation and survival of diffuse large B-cell lymphoma cells by a small-molecule inhibitor of the ubiquitin-conjugating enzyme Ubc13-Uev1A. Blood, 2012, 120, 1668-1677.	1.4	120
30	IFN \hat{I}^3 induces epigenetic programming of human T-bethi B cells and promotes TLR7/8 and IL-21 induced differentiation. ELife, 2019, 8, .	6.0	116
31	Expansion of Activated Peripheral Blood Memory B Cells in Rheumatoid Arthritis, Impact of B Cell Depletion Therapy, and Biomarkers of Response. PLoS ONE, 2015, 10, e0128269.	2.5	111
32	Anergic Responses Characterize a Large Fraction of Human Autoreactive Naive B Cells Expressing Low Levels of Surface IgM. Journal of Immunology, 2011, 186, 4640-4648.	0.8	108
33	Peak frequencies of circulating human influenza-specific antibody secreting cells correlate with serum antibody response after immunization. Vaccine, 2010, 28, 3582-3587.	3.8	104
34	Factors of the bone marrow microniche that support human plasma cell survival and immunoglobulin secretion. Nature Communications, 2018, 9, 3698.	12.8	95
35	Two Major Autoantibody Clusters in Systemic Lupus Erythematosus. PLoS ONE, 2012, 7, e32001.	2.5	92
36	ATAC-seq on biobanked specimens defines a unique chromatin accessibility structure in na \tilde{A} -ve SLE B cells. Scientific Reports, 2016, 6, 27030.	3.3	88

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37	Long-lived antigen-induced IgM plasma cells demonstrate somatic mutations and contribute to long-term protection. Nature Communications, 2016, 7, 11826.	12.8	84
38	Molecular Basis of 9G4 B Cell Autoreactivity in Human Systemic Lupus Erythematosus. Journal of Immunology, 2013, 191, 4926-4939.	0.8	83
39	Circulating Human Antibody-Secreting Cells during Vaccinations and Respiratory Viral Infections Are Characterized by High Specificity and Lack of Bystander Effect. Journal of Immunology, 2011, 186, 5514-5521.	0.8	82
40	Decreased influenza-specific B cell responses in rheumatoid arthritis patients treated with anti-tumor necrosis factor. Arthritis Research and Therapy, 2011, 13, R209.	3.5	80
41	Insights into the heterogeneity of human B cells: diverse functions, roles in autoimmunity, and use as therapeutic targets. Immunologic Research, 2009, 45, 144-158.	2.9	78
42	Tumor Necrosis Factor Alpha Receptor I Is Important for Survival from <i>Streptococcus pneumoniae </i> Infections. Infection and Immunity, 1999, 67, 595-601.	2.2	78
43	Apoptosis and complement-mediated lysis of myeloma cells by polyclonal rabbit antithymocyte globulin. Blood, 2006, 107, 2895-2903.	1.4	77
44	PD-1 immunobiology in systemic lupus erythematosus. Journal of Autoimmunity, 2019, 97, 1-9.	6.5	68
45	Anticardiolipin Antibodies and Recurrent Coronary Events. Circulation, 2000, 102, 1258-1263.	1.6	67
46	Altered BCR and TLR signals promote enhanced positive selection of autoreactive transitional B cells in Wiskott-Aldrich syndrome. Journal of Experimental Medicine, 2015, 212, 1663-1677.	8.5	67
47	Human innate B cells: a link between host defense and autoimmunity?. Seminars in Immunopathology, 2005, 26, 433-452.	4.0	66
48	Altered B cell receptor signaling in human systemic lupus erythematosus. Autoimmunity Reviews, 2009, 8, 209-213.	5.8	66
49	B-cell-depleting Therapy in Systemic Lupus Erythematosus. American Journal of Medicine, 2012, 125, 327-336.	1.5	66
50	B Cells and Immunological Tolerance. Journal of Investigative Dermatology, 2009, 129, 278-288.	0.7	65
51	Factors Affecting Early Antibody Secreting Cell Maturation Into Long-Lived Plasma Cells. Frontiers in Immunology, 2019, 10, 2138.	4.8	64
52	Understanding Bâ€cell activation and autoantibody repertoire selection in systemic lupus erythematosus: A Bâ€cell immunomics approach. Immunological Reviews, 2018, 284, 120-131.	6.0	62
53	Autoantibody-mediated impairment of DNASE1L3 activity in sporadic systemic lupus erythematosus. Journal of Experimental Medicine, 2021, 218, .	8.5	61
54	B cell depletion therapy in autoimmune diseases. Frontiers in Bioscience - Landmark, 2007, 12, 2546.	3.0	61

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55	BALDR: a computational pipeline for paired heavy and light chain immunoglobulin reconstruction in single-cell RNA-seq data. Genome Medicine, 2018, 10, 20.	8.2	60
56	Antibody-Array-Based Proteomic Screening of Serum Markers in Systemic Lupus Erythematosus: A Discovery Study. Journal of Proteome Research, 2016, 15, 2102-2114.	3.7	56
57	Clinical Efficacy and Safety of Baminercept, a Lymphotoxin \hat{l}^2 Receptor Fusion Protein, in Primary Sj \tilde{A} ¶gren's Syndrome. Arthritis and Rheumatology, 2018, 70, 1470-1480.	5.6	56
58	Frequencies of human influenza-specific antibody secreting cells or plasmablasts post vaccination from fresh and frozen peripheral blood mononuclear cells. Journal of Immunological Methods, 2009, 340, 42-47.	1.4	55
59	Primary Sj \tilde{A} gren's Syndrome Is Characterized by Distinct Phenotypic and Transcriptional Profiles of IgD+ Unswitched Memory B Cells. Arthritis and Rheumatology, 2014, 66, 2558-2569.	5.6	48
60	The number of circulating monocytes as biomarkers of the clinical response to methotrexate in untreated patients with rheumatoid arthritis. Journal of Translational Medicine, 2015, 13, 2.	4.4	48
61	OMIPâ€003: Phenotypic analysis of human memory B cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 894-896.	1.5	43
62	Monocyte populations as markers of response to adalimumab plus MTX in rheumatoid arthritis. Arthritis Research and Therapy, 2012, 14, R175.	3.5	43
63	In vivo cell penetration and intracellular transport of anti-Sm and anti-La autoantibodies. International Immunology, 2000, 12, 415-423.	4.0	42
64	Differential transcriptome and development of human peripheral plasma cell subsets. JCI Insight, 2019, 4, .	5.0	41
65	Updates on B-cell immunotherapies for systemic lupus erythematosus and Sjogren's syndrome. Current Opinion in Rheumatology, 2012, 24, 451-456.	4.3	40
66	Quantitative proteomics of parotid saliva in primary Sjögren's syndrome. Proteomics, 2012, 12, 3113-3120.	2.2	40
67	Highâ€throughput flow cytometry data normalization for clinical trials. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 277-286.	1.5	40
68	9G4 Autoreactivity Is Increased in HIV-Infected Patients and Correlates with HIV Broadly Neutralizing Serum Activity. PLoS ONE, 2012, 7, e35356.	2.5	39
69	T-bet+ B cells: A common denominator in protective and autoreactive antibody responses?. Current Opinion in Immunology, 2019, 57, 40-45.	5.5	34
70	Understanding and measuring human Bâ€eell tolerance and its breakdown in autoimmune disease. Immunological Reviews, 2019, 292, 76-89.	6.0	34
71	Protein kinase C–associated kinase is required for NF-κB signaling and survival in diffuse large B-cell lymphoma cells. Blood, 2008, 111, 1644-1653.	1.4	33
72	A perspective on B-cell-targeting therapy for SLE. Modern Rheumatology, 2010, 20, 1-10.	1.8	32

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73	The Molecular Genetics of the Arsonate Idiotypic System of A/J Mice. Advances in Immunology, 1988, 42, 95-164.	2.2	31
74	Rationale for B cell targeting in SLE. Seminars in Immunopathology, 2014, 36, 365-375.	6.1	31
75	<scp>COVID</scp> â€19 and plasma cells: Is there longâ€lived protection?*. Immunological Reviews, 2022, 309, 40-63.	6.0	26
76	Autoreactive monoclonal antibodies from patients with primary biliary cholangitis recognize environmental xenobiotics. Hepatology, 2017, 66, 885-895.	7.3	25
77	Ro/SS-A and the pathogenic significance of its antibodies. Journal of Autoimmunity, 1989, 2, 375-381.	6.5	24
78	Indications of Rituximab in autoimmune diseases. Drug Discovery Today: Therapeutic Strategies, 2009, 6, 13-19.	0.5	24
79	Cutting Edge: Intracellular IFN- \hat{l}^2 and Distinct Type I IFN Expression Patterns in Circulating Systemic Lupus Erythematosus B Cells. Journal of Immunology, 2018, 201, 2203-2208.	0.8	24
80	Plasma cell survival: The intrinsic drivers, migratory signals, and extrinsic regulators. Immunological Reviews, 2021, 303, 138-153.	6.0	24
81	Targeting B cells for the treatment of SLE: the beginning of the end or the end of the beginning?. Discovery Medicine, 2010, 10, 416-24.	0.5	24
82	Distinguishing immune activation and inflammatory signatures of multisystem inflammatory syndrome in children (MIS-C) versus hemophagocytic lymphohistiocytosis (HLH). Journal of Allergy and Clinical Immunology, 2022, 149, 1592-1606.e16.	2.9	24
83	9G4+ Autoantibodies Are an Important Source of Apoptotic Cell Reactivity Associated With High Levels of Disease Activity in Systemic Lupus Erythematosus. Arthritis and Rheumatism, 2013, 65, 3165-3175.	6.7	23
84	A perspective on B-cell-targeting therapy for SLE. Modern Rheumatology, 2010, 20, 1-10.	1.8	23
85	Multiparameter Flow Cytometry and Bioanalytics for B Cell Profiling in Systemic Lupus Erythematosus. Methods in Molecular Biology, 2012, 900, 109-134.	0.9	22
86	Syk inhibition with fostamatinib leads to transitional B lymphocyte depletion. Clinical Immunology, 2012, 142, 237-242.	3.2	21
87	Polychromatic flow cytometry in evaluating rheumatic disease patients. Arthritis Research and Therapy, 2015, 17, 46.	3.5	21
88	Extrafollicular IgD+ B cells generate IgE antibody secreting cells in the nasal mucosa. Mucosal Immunology, 2021, 14, 1144-1159.	6.0	21
89	Identification of human plasma cells with a lamprey monoclonal antibody. JCI Insight, 2016, 1 , .	5.0	21
90	Reconstitution of the adult B cell repertoire after treatment with rituximab. Arthritis Research and Therapy, 2005, 7, 175.	3.5	20

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91	B Cell Therapies for Rheumatoid Arthritis: Beyond B cell Depletion. Rheumatic Disease Clinics of North America, 2010, 36, 325-343.	1.9	19
92	One-Stop Serum Assay Identifies COVID-19 Disease Severity and Vaccination Responses. ImmunoHorizons, 2021, 5, 322-335.	1.8	19
93	Generation of human long-lived plasma cells by developmentally regulated epigenetic imprinting. Life Science Alliance, 2022, 5, e202101285.	2.8	19
94	Delineation of the Human Systemic Lupus Erythematosus Anti-Smith Antibody Response Using Phage-Display Combinatorial Libraries. Journal of Immunology, 2000, 165, 7011-7016.	0.8	18
95	SLE-key® rule-out serologic test for excluding the diagnosis of systemic lupus erythematosus: Developing the ImmunArray iCHIP®. Journal of Immunological Methods, 2016, 429, 1-6.	1.4	18
96	The Abnormal CD4+T Lymphocyte Subset Distribution and Vbeta Repertoire in New-onset Rheumatoid Arthritis Can Be Modulated by Methotrexate Treament. Cells, 2019, 8, 871.	4.1	18
97	B cell subset composition segments clinically and serologically distinct groups in chronic cutaneous lupus erythematosus. Annals of the Rheumatic Diseases, 2021, 80, 1190-1200.	0.9	18
98	DNA methylation changes on immune cells in Systemic Lupus Erythematosus. Autoimmunity, 2020, 53, 114-121.	2.6	16
99	The Regulation of Inherently Autoreactive VH4-34–Expressing B Cells in Individuals Living in a Malaria-Endemic Area of West Africa. Journal of Immunology, 2016, 197, 3841-3849.	0.8	15
100	Protein Kinase $\hat{Cl^2}$ Is Required for Lupus Development in Sle Mice. Arthritis and Rheumatism, 2013, 65, 1022-1031.	6.7	14
101	Delayed Kinetics of IgG, but Not IgA, Antispike Antibodies in Transplant Recipients following SARS-CoV-2 Infection. Journal of the American Society of Nephrology: JASN, 2021, 32, 3221-3230.	6.1	14
102	B cell depletion in lupus and Sjögren's syndrome: an update. Current Opinion in Rheumatology, 2009, 21, 483-488.	4.3	13
103	Analysis of Tweets Containing Information Related to Rheumatological Diseases on Twitter. International Journal of Environmental Research and Public Health, 2021, 18, 9094.	2.6	12
104	Targeting B cells in SLE: good news at last!. Nature Reviews Rheumatology, 2011, 7, 255-256.	8.0	10
105	Anti-Idiotypic Monobodies Derived from a Fibronectin Scaffold. Biochemistry, 2013, 52, 1802-1813.	2.5	10
106	New Perspectives in Rheumatology: May You Live in Interesting Times: Challenges and Opportunities in Lupus Research. Arthritis and Rheumatology, 2017, 69, 1552-1559.	5.6	10
107	Characterization of Human Anti-acetylcholine Receptor Monoclonal Autoantibodies from the Peripheral Blood of a Myasthenia Gravis Patient Using Combinatorial Libraries. Clinical Immunology, 2000, 96, 269-279.	3.2	9
108	Functional and Molecular Characteristics of Novel and Conserved Cross-Clade HIV Envelope Specific Human Monoclonal Antibodies. Monoclonal Antibodies in Immunodiagnosis and Immunotherapy, 2015, 34, 65-72.	1.6	9

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109	The SLE-key test serological signature: new insights into the course of lupus. Rheumatology, 2018, 57, 1632-1640.	1.9	9
110	Failure of B Cell Tolerance in CVID. Frontiers in Immunology, 2019, 10, 2881.	4.8	9
111	9G4+ Antibodies Isolated from HIV-Infected Patients Neutralize HIV-1 and Have Distinct Autoreactivity Profiles. PLoS ONE, 2013, 8, e85098.	2.5	9
112	Anti-idiotypic monobodies for immune response profiling. Methods, 2012, 58, 62-68.	3.8	8
113	GLaMST: grow lineages along minimum spanning tree for b cell receptor sequencing data. BMC Genomics, 2020, 21, 583.	2.8	8
114	Response under pressure: deploying emerging technologies to understand B-cell-mediated immunity in COVID-19. Nature Methods, 2022, 19, 387-391.	19.0	8
115	Polymorphisms of Immunologically Relevant Loci in Human Disease Annals of the New York Academy of Sciences, 1988, 546, 133-142.	3.8	7
116	Breast Augmentation With Anatomic Implants: A Method Based on the Breast Implantation Base. Aesthetic Plastic Surgery, 2014, 38, 329-337.	0.9	7
117	Methrotexate Treatment Inmunomodulates Abnormal Cytokine Expression by T CD4 Lymphocytes Present in DMARD-Naà ve Rheumatoid Arthritis Patients. International Journal of Molecular Sciences, 2020, 21, 6847.	4.1	7
118	Genetic and Functional Characterization of Human Autoantibodies Using Combinatorial Phage Display Libraries. Annals of the New York Academy of Sciences, 1995, 764, 559-564.	3.8	6
119	Identification of significant B cell associations with undetected observations using a Tobit model. Statistics and Its Interface, 2016, 9, 79-91.	0.3	6
120	Heterofunctional Particles as Single Cell Sensors to Capture Secreted Immunoglobulins and Isolate Antigenâ€Specific Antibody Secreting Cells. Advanced Healthcare Materials, 2021, 10, 2001947.	7.6	5
121	Mission, Organization, and Future Direction of the Serological Sciences Network for COVID-19 (SeroNet) Epidemiologic Cohort Studies. Open Forum Infectious Diseases, 2022, 9, .	0.9	5
122	A critical role for the protein kinase PKK in the maintenance of recirculating mature B cells and the development of B1 cells. Immunology Letters, 2016, 172, 67-78.	2.5	4
123	Clustered Mutations at the Murine and Human IgH Locus Exhibit Significant Linkage Consistent with Templated Mutagenesis. Journal of Immunology, 2019, 203, 1252-1264.	0.8	4
124	Regulation of T and B cell responses to chronic antigenic stimulation during Infection, autoimmunity and transplantation. Immunological Reviews, 2019, 292, 5-8.	6.0	3
125	Pre-existing neutralizing antibody mitigates B cell dysregulation and enhances the Env-specific antibody response in SHIV-infected rhesus macaques. PLoS ONE, 2017, 12, e0172524.	2.5	2
126	Impact of autoimmune cytopenias on severity of childhood-onset systemic lupus erythematosus: A single-center retrospective cohort study. Lupus, 2021, 30, 109-117.	1.6	2

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127	Editorial: IgA Responses and Future Development of Rheumatoid Arthritis. Arthritis and Rheumatology, 2016, 68, 2351-2353.	5.6	1
128	Pharmacological Effects and Mechanisms of Action of Agents Blocking B Cells. Milestones in Drug Therapy, 2014, , 37-64.	0.1	1
129	Novel Diagnostic for Acute Influenza Virus Infection Using Circulating Antibody Secreting Cells. Open Forum Infectious Diseases, $2016, 3, .$	0.9	0
130	AA-05â€B cell intrinsic IFNβ is associated with autoantibodies and active renal disease in SLE. , 2018, , .		0
131	Structure and Derivation of Autoantibodies. , 2019, , 340-354.		0
132	MO257BELIMUMAB ADD-ON THERAPY MOBILIZES MEMORY B CELLS INTO CIRCULATION OF SLE PATIENTS. Nephrology Dialysis Transplantation, 2021, 36, .	0.7	0
133	Circulating B Cell Subsets from Untreated Diffuse Large B Cell Lymphoma (DLBCL) Patients Resemble Those of Patients with Autoimmune Disease. Blood, 2018, 132, 4221-4221.	1.4	0
134	Autoantibodies targeting LINE-1-encoded ORF1p are associated with systemic lupus erythematosus diagnosis but not disease activity. Clinical and Experimental Rheumatology, 2021, , .	0.8	0
135	Somatic Diversification of Rearranged Antibody Gene Segments by Intra- and Interchromosomal Templated Mutagenesis. Journal of Immunology, 2022, , ji2100434.	0.8	0
136	MO246: Belimumab Disrupts Memory B Cell Trafficking in Patients with Systemic Lupus Erythematosus. Nephrology Dialysis Transplantation, 2022, 37, .	0.7	0