

Sergio Roa

List of Publications by Year in descending order

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37
papers

1,768
citations

304602

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37
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42
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42
docs citations

42
times ranked

5374
citing authors

#	ARTICLE	IF	CITATIONS
1	The Biochemistry of Somatic Hypermutation. Annual Review of Immunology, 2008, 26, 481-511.	9.5	404
2	Intraclonal Complexity in Chronic Lymphocytic Leukemia: Fractions Enriched in Recently Born/Divided and Older/Quiescent Cells. Molecular Medicine, 2011, 17, 1374-1382.	1.9	140
3	Discovery of first-in-class reversible dual small molecule inhibitors against G9a and DNMTs in hematological malignancies. Nature Communications, 2017, 8, 15424.	5.8	109
4	Ubiquitylated PCNA plays a role in somatic hypermutation and class-switch recombination and is required for meiotic progression. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16248-16253.	3.3	99
5	The RNF8/RNF168 ubiquitin ligase cascade facilitates class switch recombination. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 809-814.	3.3	70
6	PMS2 endonuclease activity has distinct biological functions and is essential for genome maintenance. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13384-13389.	3.3	68
7	Mammalian <i>Exo1</i> encodes both structural and catalytic functions that play distinct roles in essential biological processes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2470-9.	3.3	68
8	Downregulation of FOXP1 is required during germinal center B-cell function. Blood, 2013, 121, 4311-4320.	0.6	62
9	AIDing antibody diversity by error-prone mismatch repair. Seminars in Immunology, 2012, 24, 293-300.	2.7	59
10	Quantitative analysis of bcl-2 expression in normal and leukemic human B-cell differentiation. Leukemia, 2004, 18, 491-498.	3.3	54
11	PD-1/PD-L1 immune checkpoint and p53 loss facilitate tumor progression in activated B-cell diffuse large B-cell lymphomas. Blood, 2019, 133, 2401-2412.	0.6	54
12	IGHV-unmutated and IGHV-mutated chronic lymphocytic leukemia cells produce activation-induced deaminase protein with a full range of biologic functions. Blood, 2012, 120, 4802-4811.	0.6	52
13	miR-28 regulates the germinal center reaction and blocks tumor growth in preclinical models of non-Hodgkin lymphoma. Blood, 2017, 129, 2408-2419.	0.6	52
14	Germline Deletion of <i>Igh</i> 3' Regulatory Region Elements hs 5, 6, 7 (hs5'7) Affects B Cell-Specific Regulation, Rearrangement, and Insulation of the <i>Igh</i> Locus. Journal of Immunology, 2012, 188, 2556-2566.	0.4	42
15	Homeobox NKX2-3 promotes marginal-zone lymphomagenesis by activating B-cell receptor signalling and shaping lymphocyte dynamics. Nature Communications, 2016, 7, 11889.	5.8	42
16	<i>LITAF</i> , a <i>BCL6</i> target gene, regulates autophagy in mature B-cell lymphomas. British Journal of Haematology, 2013, 162, 621-630.	1.2	39
17	V-region mutation in vitro, in vivo, and in silico reveal the importance of the enzymatic properties of AID and the sequence environment. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8629-8634.	3.3	37
18	SHMTool: A webserver for comparative analysis of somatic hypermutation datasets. DNA Repair, 2009, 8, 137-141.	1.3	36

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19	Discovery of Reversible DNA Methyltransferase and Lysine Methyltransferase G9a Inhibitors with Antitumoral in Vivo Efficacy. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 6518-6545.	2.9	36
20	Crosstalk between genetic and epigenetic information through cytosine deamination. <i>Trends in Genetics</i> , 2010, 26, 443-448.	2.9	34
21	MSH2/MSH6 Complex Promotes Error-Free Repair of AID-Induced dU:G Mispairs as well as Error-Prone Hypermutation of A:T Sites. <i>PLoS ONE</i> , 2010, 5, e11182.	1.1	34
22	The ATPase activity of MLH1 is required to orchestrate DNA double-strand breaks and end processing during class switch recombination. <i>Journal of Experimental Medicine</i> , 2012, 209, 671-678.	4.2	25
23	Richter transformation driven by Epstein-Barr virus reactivation during therapy-related immunosuppression in chronic lymphocytic leukaemia. <i>Journal of Pathology</i> , 2018, 245, 61-73.	2.1	24
24	Mismatch-mediated error prone repair at the immunoglobulin genes. <i>Biomedicine and Pharmacotherapy</i> , 2011, 65, 529-536.	2.5	23
25	Genome-wide expression profiling of B lymphocytes reveals IL4R increase in allergic asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 972-975.	1.5	20
26	Detailed Exploration around 4-Aminoquinolines Chemical Space to Navigate the Lysine Methyltransferase G9a and DNA Methyltransferase Biological Spaces. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 6546-6573.	2.9	19
27	The multidimensional nature of epigenetic information and its role in disease. <i>Discovery Medicine</i> , 2011, 11, 233-43.	0.5	16
28	Does antisense make sense of AID targeting?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3661-3662.	3.3	10
29	Molecular Analysis of Activation-Induced Cytidine Deaminase Gene in Immunoglobulin-E Deficient Patients. <i>Clinical and Developmental Immunology</i> , 2008, 2008, 1-6.	3.3	9
30	The PD-1/PD-L1 Checkpoint in Normal Germinal Centers and Diffuse Large B-Cell Lymphomas. <i>Cancers</i> , 2021, 13, 4683.	1.7	9
31	Lack of association between the 7888 C/T polymorphism in the AID gene and atopy in a Spanish population. <i>Journal of Allergy and Clinical Immunology</i> , 2003, 112, 460.	1.5	5
32	CLL intraclonal fractions exhibit established and recently acquired patterns of DNA methylation. <i>Blood Advances</i> , 2020, 4, 893-905.	2.5	5
33	YRNAs overexpression and potential implications in allergy. <i>World Allergy Organization Journal</i> , 2019, 12, 100047.	1.6	4
34	Inhibition of the Methyltransferase G9a with Small Molecules As a New Therapeutic Strategy for Treatment of Hematological Malignancies. <i>Blood</i> , 2014, 124, 3532-3532.	0.6	2
35	Molecular Genetics and Cytogenetics in Cancer. <i>Genetics Research International</i> , 2011, 2011, 1-2.	2.0	1
36	LITAF, a BCL6 Target Gene, Regulates Autophagia in B Cells and Is Essential for T-Cell Dependent Humoral Responses. <i>Blood</i> , 2011, 118, 1391-1391.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Immune System and Atopic Disorders. SpringerBriefs in Genetics, 2013, , 3-21.	0.1	0