

Anna Rubartelli

List of Publications by Year in descending order

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109
papers

14,005
citations

30070

54
h-index

28297

105
g-index

111
all docs

111
docs citations

111
times ranked

19400
citing authors

#	ARTICLE	IF	CITATIONS
1	Rebalancing expression of HMGB1 redox isoforms to counteract muscular dystrophy. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	26
2	Therapeutic efficacy of proton transport inhibitors alone or in combination with cisplatin in triple negative and hormone sensitive breast cancer models. <i>Cancer Medicine</i> , 2021, 11, 183.	2.8	4
3	Increased myocardial 18F-FDG uptake as a marker of Doxorubicin-induced oxidative stress. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 2183-2194.	2.1	29
4	A novel knock-in mouse model of cryopyrin-associated periodic syndromes with development of amyloidosis: Therapeutic efficacy of proton pump inhibitors. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 368-378.e13.	2.9	14
5	Evolution, role in inflammation, and redox control of leaderless secretory proteins. <i>Journal of Biological Chemistry</i> , 2020, 295, 7799-7811.	3.4	29
6	Tumor Vasculature Targeted TNF α Therapy: Reversion of Microenvironment Anergy and Enhancement of the Anti-tumor Efficiency. <i>Current Medicinal Chemistry</i> , 2020, 27, 4233-4248.	2.4	2
7	Cytokines in Autoinflammation. , 2019, , 111-122.		0
8	Oxidation of methionine residues in human apolipoprotein A-I generates a potent pro-inflammatory molecule. <i>Journal of Biological Chemistry</i> , 2019, 294, 3634-3646.	3.4	12
9	The unconventional secretion of IL-1 β : Handling a dangerous weapon to optimize inflammatory responses. <i>Seminars in Cell and Developmental Biology</i> , 2018, 83, 12-21.	5.0	47
10	OLT1177, a β -sulfonyl nitrile compound, safe in humans, inhibits the NLRP3 inflammasome and reverses the metabolic cost of inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1530-E1539.	7.1	346
11	Redox-Mediated Mechanisms Fuel Monocyte Responses to CXCL12/HMGB1 in Active Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2018, 9, 2118.	4.8	40
12	Progressive waves of IL-1 β release by primary human monocytes via sequential activation of vesicular and gasdermin D-mediated secretory pathways. <i>Cell Death and Disease</i> , 2018, 9, 1088.	6.3	61
13	A persulfidation-based mechanism controls aquaporin-8 conductance. <i>Science Advances</i> , 2018, 4, eaar5770.	10.3	44
14	The therapeutic T cell response induced by tumor delivery of TNF and melphalan is dependent on early triggering of natural killer and dendritic cells. <i>European Journal of Immunology</i> , 2017, 47, 743-753.	2.9	9
15	Guidelines for the use of flow cytometry and cell sorting in immunological studies [*] . <i>European Journal of Immunology</i> , 2017, 47, 1584-1797.	2.9	505
16	Cryopyrin-associated Periodic Syndromes in Italian Patients: Evaluation of the Rate of Somatic NLRP3 Mosaicism and Phenotypic Characterization. <i>Journal of Rheumatology</i> , 2017, 44, 1667-1673.	2.0	28
17	Dysregulated IL-1 β Secretion in Autoinflammatory Diseases: A Matter of Stress?. <i>Frontiers in Immunology</i> , 2017, 8, 345.	4.8	36
18	Restoring microenvironmental redox and pH homeostasis inhibits neoplastic cell growth and migration: therapeutic efficacy of esomeprazole plus sulfasalazine on 3-MCA-induced sarcoma. <i>Oncotarget</i> , 2017, 8, 67482-67496.	1.8	9

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19	NLR in Human Diseases: Role and Laboratory Findings. <i>Methods in Molecular Biology</i> , 2016, 1417, 247-254.	0.9	0
20	Clinical Characteristics of Patients Carrying the Q703K Variant of the <i>NLRP3</i> Gene: A 10-year Multicentric National Study. <i>Journal of Rheumatology</i> , 2016, 43, 1093-1100.	2.0	31
21	Disease activity accounts for long-term efficacy of IL-1 blockers in pyogenic sterile arthritis pyoderma gangrenosum and severe acne syndrome. <i>Rheumatology</i> , 2016, 55, 1325-1335.	1.9	48
22	Proton pump inhibitors protect mice from acute systemic inflammation and induce long-term cross-tolerance. <i>Cell Death and Disease</i> , 2016, 7, e2304-e2304.	6.3	40
23	Stress Regulates Aquaporin-8 Permeability to Impact Cell Growth and Survival. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 1031-1044.	5.4	82
24	Redox stress unbalances the inflammatory cytokine network: role in autoinflammatory patients and healthy subjects. <i>Journal of Leukocyte Biology</i> , 2016, 99, 79-86.	3.3	19
25	Extracellular ATP induces the rapid release of HIV-1 from virus containing compartments of human macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3265-73.	7.1	61
26	Cell stress increases ATP release in NLRP3 inflammasome-mediated autoinflammatory diseases, resulting in cytokine imbalance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2835-2840.	7.1	106
27	Redox distress and genetic defects conspire in systemic autoinflammatory diseases. <i>Nature Reviews Rheumatology</i> , 2015, 11, 670-680.	8.0	26
28	Consensus guidelines for the detection of immunogenic cell death. <i>Oncolmmunology</i> , 2014, 3, e955691.	4.6	686
29	Role of caspase-1 in nuclear translocation of IL-37, release of the cytokine, and IL-37 inhibition of innate immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2650-2655.	7.1	182
30	DAMP-Mediated Activation of NLRP3-Inflammasome in Brain Sterile Inflammation: The Fine Line between Healing and Neurodegeneration. <i>Frontiers in Immunology</i> , 2014, 5, 99.	4.8	46
31	TLR Costimulation Causes Oxidative Stress with Unbalance of Proinflammatory and Anti-Inflammatory Cytokine Production. <i>Journal of Immunology</i> , 2014, 192, 5373-5381.	0.8	73
32	Autoinflammatory diseases. <i>Immunology Letters</i> , 2014, 161, 226-230.	2.5	24
33	Increased NLRP3-dependent interleukin 1 β secretion in patients with familial Mediterranean fever: correlation with <i>MEFV</i> genotype. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 462-469.	0.9	108
34	Inflammation, DAMPs, Tumor Development, and Progression: A Vicious Circle Orchestrated by Redox Signaling. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1086-1097.	5.4	61
35	The secretion of IL-1 β and options for release. <i>Seminars in Immunology</i> , 2013, 25, 425-429.	5.6	119
36	The pharmacologic inhibition of the xc- antioxidant system improves the antitumor efficacy of COX inhibitors in the in vivo model of 3-MCA tumorigenesis. <i>Carcinogenesis</i> , 2013, 34, 620-626.	2.8	12

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37	Mechanisms of Sterile Inflammation. <i>Frontiers in Immunology</i> , 2013, 4, 398.	4.8	45
38	Different Members of the IL-1 Family Come Out in Different Ways: DAMPs vs. Cytokines?. <i>Frontiers in Immunology</i> , 2013, 4, 123.	4.8	78
39	Deficient production of IL-1 receptor antagonist and IL-6 coupled to oxidative stress in cryopyrin-associated periodic syndrome monocytes. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 1577-1581.	0.9	45
40	Redox control of NLRP3 inflammasome activation in health and disease. <i>Journal of Leukocyte Biology</i> , 2012, 92, 951-958.	3.3	94
41	On the Redox Control of B Lymphocyte Differentiation and Function. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 1139-1149.	5.4	35
42	High-Mobility Group Box 1 Release and Redox Regulation Accompany Regeneration and Remodeling of Skeletal Muscle. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 2161-2174.	5.4	61
43	Interplay between redox status and inflammasome activation. <i>Trends in Immunology</i> , 2011, 32, 559-566.	6.8	74
44	TCTP is a critical survival factor that protects cancer cells from oxidative stress-induced cell-death. <i>Experimental Cell Research</i> , 2011, 317, 2479-2489.	2.6	45
45	Clinical presentation and pathogenesis of cold-induced autoinflammatory disease in a family with recurrence of an NLRP12 mutation. <i>Arthritis and Rheumatism</i> , 2011, 63, 830-839.	6.7	162
46	The Rate of Interleukin-1 β Secretion in Different Myeloid Cells Varies with the Extent of Redox Response to Toll-like Receptor Triggering. <i>Journal of Biological Chemistry</i> , 2011, 286, 27069-27080.	3.4	96
47	The Cystine/Cysteine Cycle and GSH Are Independent and Crucial Antioxidant Systems in Malignant Melanoma Cells and Represent Druggable Targets. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 2439-2453.	5.4	41
48	IL-1 family nomenclature. <i>Nature Immunology</i> , 2010, 11, 973-973.	14.5	294
49	Redox remodeling: a candidate regulator of HMGB1 function in injured skeletal muscle. <i>Annals of the New York Academy of Sciences</i> , 2010, 1209, 83-90.	3.8	29
50	Altered redox state of monocytes from cryopyrin-associated periodic syndromes causes accelerated IL-1 β secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9789-9794.	7.1	129
51	NK cell-derived cytokines and delivery. , 2010, , 177-188.		2
52	Redox Remodeling Allows and Controls B-Cell Activation and Differentiation. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 1145-1155.	5.4	83
53	B- to Plasma-Cell Terminal Differentiation Entails Oxidative Stress and Profound Reshaping of the Antioxidant Responses. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 1133-1144.	5.4	110
54	Pathogen-Induced Interleukin-1 β Processing and Secretion Is Regulated by a Biphasic Redox Response. <i>Journal of Immunology</i> , 2009, 183, 1456-1462.	0.8	93

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55	Eosinophils Oxidize Damage-Associated Molecular Pattern Molecules Derived from Stressed Cells. <i>Journal of Immunology</i> , 2009, 183, 5023-5031.	0.8	96
56	Chemo-metabolic regulation of immune responses by Tregs. <i>Nature Chemical Biology</i> , 2009, 5, 709-710.	8.0	5
57	DAMPs and inflammatory processes: the role of redox in the different outcomes. <i>Journal of Leukocyte Biology</i> , 2009, 86, 549-555.	3.3	96
58	Stress as an Intercellular Signal: The Emergence of Stress-Associated Molecular Patterns (SAMP). <i>Antioxidants and Redox Signaling</i> , 2009, 11, 2621-2629.	5.4	31
59	Differential requirement for the activation of the inflammasome for processing and release of IL-1 β in monocytes and macrophages. <i>Blood</i> , 2009, 113, 2324-2335.	1.4	714
60	The redox state of the lung cancer microenvironment depends on the levels of thioredoxin expressed by tumor cells and affects tumor progression and response to prooxidants. <i>International Journal of Cancer</i> , 2008, 123, 1770-1778.	5.1	73
61	Engagement of NOD2 has a dual effect on proIL-1 β mRNA transcription and secretion of bioactive IL-1 β . <i>European Journal of Immunology</i> , 2008, 38, 184-191.	2.9	69
62	The thiol redox state of lymphoid organs is modified by immunization: Role of different immune cell populations. <i>European Journal of Immunology</i> , 2008, 38, 2419-2425.	2.9	66
63	The pattern of response to anti-interleukin-1 treatment distinguishes two subsets of patients with systemic-onset juvenile idiopathic arthritis. <i>Arthritis and Rheumatism</i> , 2008, 58, 1505-1515.	6.7	346
64	ATP is released by monocytes stimulated with pathogen-sensing receptor ligands and induces IL-1 β and IL-18 secretion in an autocrine way. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8067-8072.	7.1	429
65	The maturation potential of NK cell clones toward autologous dendritic cells correlates with HMGB1 secretion. <i>Journal of Leukocyte Biology</i> , 2007, 81, 92-99.	3.3	35
66	Inside, outside, upside down: damage-associated molecular-pattern molecules (DAMPs) and redox. <i>Trends in Immunology</i> , 2007, 28, 429-436.	6.8	534
67	Masquerader: High Mobility Group Box-1 and Cancer. <i>Clinical Cancer Research</i> , 2007, 13, 2836-2848.	7.0	335
68	Pattern of interleukin-1 β secretion in response to lipopolysaccharide and ATP before and after interleukin-1 blockade in patients with CIAS1 mutations. <i>Arthritis and Rheumatism</i> , 2007, 56, 3138-3148.	6.7	229
69	The grateful dead: damage-associated molecular pattern molecules and reduction/oxidation regulate immunity. <i>Immunological Reviews</i> , 2007, 220, 60-81.	6.0	565
70	Damage associated molecular pattern molecules. <i>Clinical Immunology</i> , 2007, 124, 1-4.	3.2	100
71	Histone deacetylase inhibitors prevent exocytosis of interleukin-1 β -containing secretory lysosomes: role of microtubules. <i>Blood</i> , 2006, 108, 1618-1626.	1.4	138
72	ABCA2 is a marker of neural progenitors and neuronal subsets in the adult rodent brain. <i>Journal of Neurochemistry</i> , 2006, 97, 345-355.	3.9	36

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73	NK/iDC interaction results in IL-18 secretion by DCs at the synaptic cleft followed by NK cell activation and release of the DC maturation factor HMGB1. <i>Blood</i> , 2005, 106, 609-616.	1.4	293
74	Novel Pathways of Protein Secretion. , 2005, , 45-60.		8
75	Phospholipases C and A ₂ control lysosome-mediated IL-1 β secretion: Implications for inflammatory processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9745-9750.	7.1	360
76	A novel isoform of pro-interleukin-18 expressed in ovarian tumors is resistant to caspase-1 and -4 processing. <i>Oncogene</i> , 2004, 23, 7552-7560.	5.9	25
77	Monocytic cells hyperacetylate chromatin protein HMGB1 to redirect it towards secretion. <i>EMBO Journal</i> , 2003, 22, 5551-5560.	7.8	1,071
78	Antigen-presenting dendritic cells provide the reducing extracellular microenvironment required for T lymphocyte activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1491-1496.	7.1	342
79	NK Cell Activation by Dendritic Cells Is Dependent on LFA-1-Mediated Induction of Calcium-Calmodulin Kinase II: Inhibition by HIV-1 Tat C-Terminal Domain. <i>Journal of Immunology</i> , 2002, 168, 95-101.	0.8	80
80	Expression of interleukin-18 in human ovarian carcinoma and normal ovarian epithelium: Evidence for defective processing in tumor cells. <i>International Journal of Cancer</i> , 2002, 98, 873-878.	5.1	42
81	The nuclear protein HMGB1 is secreted by monocytes via a non-classical, vesicle-mediated secretory pathway. <i>EMBO Reports</i> , 2002, 3, 995-1001.	4.5	818
82	CD8+ T lymphocytes induce polarized exocytosis of secretory lysosomes by dendritic cells with release of interleukin-1 β and cathepsin D. <i>Blood</i> , 2001, 98, 2152-2159.	1.4	66
83	Secretion of bioactive interleukin-1 β by dendritic cells is modulated by interaction with antigen specific T cells. <i>Blood</i> , 2000, 95, 3809-3815.	1.4	37
84	Control of interleukin-18 secretion by dendritic cells: role of calcium influxes. <i>FEBS Letters</i> , 2000, 481, 245-248.	2.8	52
85	Secretion of bioactive interleukin-1 β by dendritic cells is modulated by interaction with antigen specific T cells. <i>Blood</i> , 2000, 95, 3809-3815.	1.4	3
86	The Secretory Route of the Leaderless Protein Interleukin 1 β Involves Exocytosis of Endolysosome-related Vesicles. <i>Molecular Biology of the Cell</i> , 1999, 10, 1463-1475.	2.1	427
87	Differential intracellular trafficking, secretion and endosomal localization of two IL-15 isoforms. <i>European Journal of Immunology</i> , 1999, 29, 1265-1274.	2.9	75
88	Interleukin-18 synthesis and secretion by dendritic cells are modulated by interaction with antigen-specific T cells. <i>Journal of Leukocyte Biology</i> , 1999, 66, 237-241.	3.3	69
89	Changes in gene expression during the growth arrest of HepG2 hepatoma cells induced by reducing agents or TGF β 1. <i>Oncogene</i> , 1998, 16, 2935-2943.	5.9	15
90	HIV-1 Tat: a polypeptide for all seasons. <i>Trends in Immunology</i> , 1998, 19, 543-545.	7.5	108

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91	KIF3C, a Novel Member of the Kinesin Superfamily: Sequence, Expression, and Mapping to Human Chromosome 2 at 2p23. <i>Genomics</i> , 1998, 47, 405-408.	2.9	27
92	Involvement of Dihydropyridine-sensitive Calcium Channels in Human Dendritic Cell Function. <i>Journal of Biological Chemistry</i> , 1998, 273, 7205-7209.	3.4	67
93	The RGD-containing domain of exogenous HIV-1 Tat inhibits the engulfment of apoptotic bodies by dendritic cells. <i>Aids</i> , 1997, 11, 1227-1235.	2.2	38
94	The Association of HIV-1 Tat with Nuclei Is Regulated by Ca ²⁺ Ions and Cytosolic Factors. <i>Journal of Biological Chemistry</i> , 1997, 272, 11256-11260.	3.4	9
95	Interleukin-1 β Secretion Is Impaired by Inhibitors of the Atp Binding Cassette Transporter, ABC1. <i>Blood</i> , 1997, 90, 2911-2915.	1.4	207
96	The selective engulfment of apoptotic bodies by dendritic cells is mediated by the α v β 3 integrin and requires intracellular and extracellular calcium. <i>European Journal of Immunology</i> , 1997, 27, 1893-1900.	2.9	236
97	Expression and function of NKR1A molecule on human monocytes and dendritic cells. <i>European Journal of Immunology</i> , 1997, 27, 2965-2970.	2.9	50
98	Secretion of Mammalian Proteins that Lack a Signal Sequence. <i>Molecular Biology Intelligence Unit</i> , 1997, , 87-114.	0.2	39
99	Nerve Growth Factor Is an Autocrine Survival Factor for Memory B Lymphocytes. <i>Cell</i> , 1996, 85, 345-356.	28.9	394
100	Nuclear translocation of an exogenous fusion protein containing HIV Tat requires unfolding. <i>Aids</i> , 1995, 9, 995-1000.	2.2	43
101	Entry of exogenous polypeptides into the nucleus of living cells: facts and speculations. <i>Trends in Cell Biology</i> , 1995, 5, 409-412.	7.9	15
102	Synthesis and Secretion of Interleukin-1 α and Intedeukin-1 Receptor Antagonist during Differentiation of Cultured Keratinocytes. <i>Experimental Cell Research</i> , 1995, 217, 355-362.	2.6	65
103	Post-translational regulation of interleukin 1 β secretion. <i>Cytokine</i> , 1993, 5, 117-124.	3.2	53
104	Interleukin-1 and interleukin-2 control granulocyte- and granulocyte-macrophage colony-stimulating factor gene expression and cell proliferation in cultured acute myeloblastic leukemia. <i>International Journal of Cancer</i> , 1990, 46, 902-907.	5.1	17
105	A novel pathway for secretory proteins?. <i>Trends in Biochemical Sciences</i> , 1990, 15, 86-88.	7.5	285
106	Regulation of IgM biosynthesis in human chronic lymphocytic leukemia. Normal and neoplastic B cells respond differently to TPA. <i>Leukemia Research</i> , 1989, 13, 1105-1111.	0.8	1
107	MLR3 molecule is an activation antigen shared by human B, T lymphocytes and T cell precursors. <i>European Journal of Immunology</i> , 1989, 19, 323-328.	2.9	54
108	Interleukin 1 as an autocrine growth factor for acute myeloid leukemia cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 2369-2373.	7.1	133

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109	Stress as an intercellular signal: the emergence of stress associated molecular patterns (SAMP).. Antioxidants and Redox Signaling, 0, , 110306091003087.	5.4	1