

Maria Gabriella Santoro

List of Publications by Year in descending order

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54
papers

4,240
citations

147801

31
h-index

168389

53
g-index

58
all docs

58
docs citations

58
times ranked

5265
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-inflammatory cyclopentenone prostaglandins are direct inhibitors of $\hat{\text{I}}^{\text{B}}$ kinase. <i>Nature</i> , 2000, 403, 103-108.	27.8	1,283
2	NEW EMBO MEMBER'S REVIEW: NF-kappaB and virus infection: who controls whom. <i>EMBO Journal</i> , 2003, 22, 2552-2560.	7.8	347
3	Thiazolides, a New Class of Anti-influenza Molecules Targeting Viral Hemagglutinin at the Post-translational Level. <i>Journal of Biological Chemistry</i> , 2009, 284, 29798-29808.	3.4	208
4	Effect of nitazoxanide for treatment of severe rotavirus diarrhoea: randomised double-blind placebo-controlled trial. <i>Lancet, The</i> , 2006, 368, 124-129.	13.7	176
5	Indomethacin Has a Potent Antiviral Activity against Sars Coronavirus. <i>Antiviral Therapy</i> , 2006, 11, 1021-1030.	1.0	163
6	NF- $\hat{\text{I}}^{\text{B}}$: A Stress-Regulated Switch for Cell Survival. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 478-486.	5.4	142
7	Activation of $\hat{\text{I}}^{\text{B}}$ Kinase by Herpes Simplex Virus Type 1. <i>Journal of Biological Chemistry</i> , 2001, 276, 28759-28766.	3.4	115
8	Antiviral activity of cyclopentenone prostanoids. <i>Trends in Microbiology</i> , 1997, 5, 276-281.	7.7	100
9	Herpes Simplex Virus Disrupts NF- $\hat{\text{I}}^{\text{B}}$ Regulation by Blocking Its Recruitment on the $\hat{\text{I}}^{\text{B}}\hat{\text{I}}^{\text{L}}$ Promoter and Directing the Factor on Viral Genes. <i>Journal of Biological Chemistry</i> , 2006, 281, 7110-7117.	3.4	92
10	15-Deoxy- $\hat{\text{I}}^{\text{J}}$ 12,14-prostaglandin J2 induces apoptosis in human malignant B cells: an effect associated with inhibition of NF- $\hat{\text{I}}^{\text{B}}$ activity and down-regulation of antiapoptotic proteins. <i>Blood</i> , 2005, 105, 1750-1758.	1.4	87
11	Targeting the Heat Shock Factor 1 by RNA Interference: A Potent Tool to Enhance Hyperthermochemotherapy Efficacy in Cervical Cancer. <i>Cancer Research</i> , 2006, 66, 7678-7685.	0.9	87
12	2-Cyclopenten-1-one, a New Inducer of Heat Shock Protein 70 with Antiviral Activity. <i>Journal of Biological Chemistry</i> , 1996, 271, 32192-32196.	3.4	82
13	The emergence of the cyclopentenone prostaglandins as important, biologically active compounds. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 1735-1742.	1.3	79
14	Synergistic Effect of Nitazoxanide with Neuraminidase Inhibitors against Influenza A Viruses <i><i>In Vitro</i></i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1061-1069.	3.2	78
15	Activation of the Heat Shock Factor 1 by Serine Protease Inhibitors. <i>Journal of Biological Chemistry</i> , 1998, 273, 16446-16452.	3.4	69
16	Thiazolides, a New Class of Antiviral Agents Effective against Rotavirus Infection, Target Viral Morphogenesis, Inhibiting Viroplasm Formation. <i>Journal of Virology</i> , 2013, 87, 11096-11106.	3.4	68
17	Stress Proteins in Inflammation. <i>Annals of the New York Academy of Sciences</i> , 1998, 851, 75-85.	3.8	63
18	The $\hat{\text{I}}^{\text{B}}$ Kinase Is a Key Factor in Triggering Influenza A Virus-induced Inflammatory Cytokine Production in Airway Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 24127-24134.	3.4	57

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19	Anti-Inflammatory Activity of 15-Deoxy- $\Delta^{12,14}$ -PGJ ₂ and 2-Cyclopenten-1-one: Role of the Heat Shock Response. <i>Molecular Pharmacology</i> , 2003, 64, 85-93.	2.3	54
20	Nitazoxanide inhibits paramyxovirus replication by targeting the Fusion protein folding: role of glycoprotein-specific thiol oxidoreductase ERp57. <i>Scientific Reports</i> , 2018, 8, 10425.	3.3	54
21	Induction of Apoptosis in Estrogen Receptor-Negative Breast Cancer Cells by Natural and Synthetic Cyclopentenones: Role of the I κ B Kinase/Nuclear Factor- κ B Pathway. <i>Molecular Pharmacology</i> , 2006, 70, 1812-1821.	2.3	52
22	Human herpesvirus 8 acute infection of endothelial cells induces monocyte chemoattractant protein 1-dependent capillary-like structure formation: role of the IKK/NF- κ B pathway. <i>Blood</i> , 2007, 109, 2718-2726.	1.4	47
23	Inhibition of viral protein translation by indomethacin in vesicular stomatitis virus infection: role of eIF2 α kinase PKR. <i>Cellular Microbiology</i> , 2015, 17, 1391-1404.	2.1	47
24	Induction of ferritin and heat shock proteins by prostaglandin A1 in human monocytes. Evidence for transcriptional and post-transcriptional regulation. <i>FEBS Journal</i> , 1999, 264, 736-745.	0.2	46
25	Ferruccio Ritossa's scientific legacy 50 years after his discovery of the heat shock response: a new view of biology, a new society, and a new journal. <i>Cell Stress and Chaperones</i> , 2012, 17, 139-143.	2.9	44
26	Regulation of Cyclooxygenase-2 Expression by Heat: A Novel Aspect of Heat Shock Factor 1 Function in Human Cells. <i>PLoS ONE</i> , 2012, 7, e31304.	2.5	42
27	Antiviral Activity of Proteasome Inhibitors in Herpes Simplex Virus-1 Infection: Role of Nuclear Factor- κ B. <i>Antiviral Therapy</i> , 2006, 11, 995-1004.	1.0	42
28	Remdesivir: From Ebola to COVID-19. <i>Biochemical and Biophysical Research Communications</i> , 2021, 538, 145-150.	2.1	39
29	Human NF- κ B repressing factor acts as a stress-regulated switch for ribosomal RNA processing and nuclear homeostasis surveillance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1045-1050.	7.1	37
30	Prostaglandin A1 induces differentiation in friend erythroleukemia cells. <i>Prostaglandins</i> , 1979, 17, 719-727.	1.2	35
31	The Proteasome Inhibitor Bortezomib Is a Potent Inducer of Zinc Finger AN1-type Domain 2a Gene Expression. <i>Journal of Biological Chemistry</i> , 2014, 289, 12705-12715.	3.4	33
32	AIRAP, a New Human Heat Shock Gene Regulated by Heat Shock Factor 1. <i>Journal of Biological Chemistry</i> , 2010, 285, 13607-13615.	3.4	32
33	Δ^{12} -Prostaglandin J ₂ Is a Potent Inhibitor of Influenza A Virus Replication. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 200-204.	3.2	31
34	Reactions of some cyclopentenones with selected cysteine derivatives and biological activities of the product thioethers. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 3221-3227.	3.0	29
35	Dose dependent inhibition of B-16 melanoma growth in vivo by a synthetic analogue of PGE ₂ . <i>Prostaglandins</i> , 1977, 14, 645-651.	1.2	28
36	Inhibition of HSP70 Expression by Calcium Ionophore A23187 in Human Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 16111-16118.	3.4	27

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37	Inhibition of Rotavirus Replication by Prostaglandin A: Evidence for a Block of Virus Maturation. <i>Journal of Infectious Diseases</i> , 1998, 178, 564-568.	4.0	26
38	The biogenesis of SARS-CoV-2 spike glycoprotein: multiple targets for host-directed antiviral therapy. <i>Biochemical and Biophysical Research Communications</i> , 2021, 538, 80-87.	2.1	21
39	Second-generation nitazoxanide derivatives: thiazolides are effective inhibitors of the influenza A virus. <i>Future Medicinal Chemistry</i> , 2018, 10, 851-862.	2.3	20
40	Impairment of SARS-CoV-2 spike glycoprotein maturation and fusion activity by nitazoxanide: an effect independent of spike variants emergence. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 227.	5.4	20
41	2-Cyclopenten-1-one and prostaglandin J2 reduce restenosis after balloon angioplasty in rats: role of NF- κ B. <i>FEBS Letters</i> , 2003, 553, 21-27.	2.8	16
42	Inhibition of herpesvirus-induced HIV-1 replication by cyclopentenone prostaglandins. <i>Aids</i> , 2004, 18, 1271-1280.	2.2	16
43	Human inhalable antibody fragments neutralizing SARS-CoV-2 variants for COVID-19 therapy. <i>Molecular Therapy</i> , 2022, 30, 1979-1993.	8.2	15
44	The proteostasis guardian HSF1 directs the transcription of its paralog and interactor HSF2 during proteasome dysfunction. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 1113-1129.	5.4	14
45	Induction of the heat-shock response by antiviral prostaglandins in human cells infected with human immunodeficiency virus type 1. <i>FEBS Journal</i> , 1998, 256, 334-341.	0.2	12
46	The second-generation thiazolide haloxanide is a potent inhibitor of avian influenza virus replication. <i>Antiviral Research</i> , 2018, 157, 159-168.	4.1	12
47	The Zinc-Finger AN1-Type Domain 2a Gene Acts as a Regulator of Cell Survival in Human Melanoma: Role of E3-Ligase cIAP2. <i>Molecular Cancer Research</i> , 2019, 17, 2444-2456.	3.4	11
48	Coronaviruses and stress: from cellular to global. <i>Cell Stress and Chaperones</i> , 2020, 25, 701-705.	2.9	9
49	Synthesis of Optically Active Prostaglandin-J2 and 15-Deoxy- $\Delta^12,14$ -prosta-glandin-J2. <i>Synlett</i> , 2003, 2003, 1170-1174.	1.8	7
50	Synthesis, antiviral activity, preliminary pharmacokinetics and structural parameters of thiazolide amine salts. <i>Future Medicinal Chemistry</i> , 2021, 13, 1731-1741.	2.3	7
51	Prostaglandin A1 inhibits avian influenza virus replication at a postentry level: Effect on virus protein synthesis and NF- κ B activity. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2014, 91, 311-323.	2.2	4
52	Induction of a 32-kDa Stress Protein by Prostaglandin A1 in Cultured Murine Cells. <i>Annals of the New York Academy of Sciences</i> , 1994, 744, 326-329.	3.8	3
53	Effect of Quercetin on Prostaglandin A1-Induced Heat Shock Response in Human Cells. <i>Annals of the New York Academy of Sciences</i> , 1994, 744, 323-325.	3.8	2
54	Synthesis of the 4-aza cyclopentenone analogue of $\Delta^12,14$ -15-deoxy-PGJ2 and S-cysteine adducts. <i>Tetrahedron Letters</i> , 2020, 61, 151969.	1.4	1