Saumendra N Sarkar

List of Publications by Year
in descending order

64 papers	4,637 citations	109264 35 h-index	118793 62 g-index
69 all docs	69 docs citations	69 times ranked	7148 citing authors

#	Article	IF	Citations
1	Endomembrane targeting of human OAS1 p46 augments antiviral activity. ELife, 2021, 10, .	2.8	41
2	RAD51AP1 Is an Essential Mediator of Alternative Lengthening of Telomeres. Molecular Cell, 2019, 76, 11-26.e7.	4.5	62
3	Molecular Cloning and Functional Characterization of Mouse Innate Immune Sensor RIG-I. Cytology and Genetics, 2019, 53, 325-329.	0.2	0
4	Oncolytic Viruses Engineered to Enforce Leptin Expression Reprogram Tumor-Infiltrating T Cell Metabolism and Promote Tumor Clearance. Immunity, 2019, 51, 548-560.e4.	6.6	88
5	Differential Activation of the Transcription Factor IRF1ÂUnderlies the Distinct Immune Responses Elicited by Type I and Type III Interferons. Immunity, 2019, 51, 451-464.e6.	6.6	179
6	IRF1 Inhibits Antitumor Immunity through the Upregulation of PD-L1 in the Tumor Cell. Cancer Immunology Research, 2019, 7, 1258-1266.	1.6	56
7	Mathematical modeling of the cGAS pathway reveals robustness of DNA sensing to TREX1 feedback. Journal of Theoretical Biology, 2019, 462, 148-157.	0.8	13
8	Oligoadenylate-Synthetase-Family Protein OASL Inhibits Activity of the DNA Sensor cGAS during DNA Virus Infection to Limit Interferon Production. Immunity, 2019, 50, 51-63.e5.	6.6	74
9	ATR kinase inhibitor AZD6738 potentiates CD8+ T cellâ€“dependent antitumor activity following radiation. Journal of Clinical Investigation, 2018, 128, 3926-3940.	3.9	136
10	Examining Dynamic Emergent Properties of the DNA Sensing Pathway. IFAC-PapersOnLine, 2018, 51, 112-113.	0.5	5
11	Helicase-Driven Activation of NFÎºB-COX2 Pathway Mediates the Immunosuppressive Component of dsRNA-Driven Inflammation in the Human Tumor Microenvironment. Cancer Research, 2018, 78, 4292-4302.	0.4	30
12	Gasdermin D Restrains Type I Interferon Response to Cytosolic DNA by Disrupting Ionic Homeostasis. Immunity, 2018, 49, 413-426.e5.	6.6	187
13	Schizophrenia interactome with 504 novel proteinâ€“protein interactions. NPJ Schizophrenia, 2016, 2, 16012.	2.0	54
14	Innate immune signaling through differential RIPK1 expression promote tumor progression in head and neck squamous cell carcinoma. Carcinogenesis, 2016, 37, 522-529.	1.3	75
15	MOV10 Provides Antiviral Activity against RNA Viruses by Enhancing RIG-Iâ€“MAVS-Independent IFN Induction. Journal of Immunology, 2016, 196, 3877-3886.	0.4	60
16	Respiratory syncytial virus infection enhances Pseudomonas aeruginosa biofilm growth through dysregulation of nutritional immunity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1642-1647.	3.3	144
17	OASLâ€”a new player in controlling antiviral innate immunity. Current Opinion in Virology, 2015, 12, 15-19.	2.6	81
18	What is the oligoadenylate synthetases-like protein and does it have therapeutic potential for influenza?. Expert Review of Respiratory Medicine, 2015, 9, 1-3.	1.0	1

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19	2â€²-5â€²-Oligoadenylate Synthetase-Like Protein Inhibits Respiratory Syncytial Virus Replication and Is Targeted by the Viral Nonstructural Protein 1. Journal of Virology, 2015, 89, 10115-10119.	1.5	33
20	Structural and functional analysis reveals that human OASL binds dsRNA to enhance RIG-I signaling. Nucleic Acids Research, 2015, 43, 5236-5248.	6.5	57
21	Protective role of STING against gliomagenesis: Rational use of STING agonist in anti-glioma immunotherapy. OncoImmunology, 2015, 4, e999523.	2.1	16
22	ADAP2 Is an Interferon Stimulated Gene That Restricts RNA Virus Entry. PLoS Pathogens, 2015, 11, e1005150.	2.1	36
23	Regulation of Mitochondrial Antiviral Signaling (MAVS) Expression and Signaling by the Mitochondria-associated Endoplasmic Reticulum Membrane (MAM) Protein Gp78. Journal of Biological Chemistry, 2014, 289, 1604-1616.	1.6	33
24	Could boosting the oligoadenylate synthetase-like pathway bring a new era of antiviral therapy?. Future Virology, 2014, 9, 1011-1014.	0.9	1
25	Adenosine Deaminase Acting on RNA 1 Limits RIG-I RNA Detection and Suppresses IFN Production Responding to Viral and Endogenous RNAs. Journal of Immunology, 2014, 193, 3436-3445.	0.4	69
26	Downregulation of IRF4 induces lytic reactivation of KSHV in primary effusion lymphoma cells. Virology, 2014, 458-459, 4-10.	1.1	13
27	Growth Arrest by the Antitumor Steroidal Lactone Withaferin A in Human Breast Cancer Cells Is Associated with Down-regulation and Covalent Binding at Cysteine 303 of Î²-Tubulin. Journal of Biological Chemistry, 2014, 289, 1852-1865.	1.6	106
28	STING Contributes to Antiglioma Immunity via Triggering Type I IFN Signals in the Tumor Microenvironment. Cancer Immunology Research, 2014, 2, 1199-1208.	1.6	185
29	Simian Virus 40 Large T Antigen Induces IFN-Stimulated Genes through ATR Kinase. Journal of Immunology, 2014, 192, 5933-5942.	0.4	30
30	Antiviral Activity of Human OASL Protein Is Mediated by Enhancing Signaling of the RIG-I RNA Sensor. Immunity, 2014, 40, 936-948.	6.6	201
31	Integration of epidemiology, immunobiology, and translational research for brain tumors. Annals of the New York Academy of Sciences, 2013, 1284, 17-23.	1.8	7
32	Role of IRF4 in IFN-Stimulated Gene Induction and Maintenance of Kaposi Sarcomaâ€“Associated Herpesvirus Latency in Primary Effusion Lymphoma Cells. Journal of Immunology, 2013, 191, 1476-1485.	0.4	26
33	Human placental trophoblasts confer viral resistance to recipient cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12048-12053.	3.3	398
34	Differential Effects of Phenethyl Isothiocyanate and <scp>D,L</scp>-Sulforaphane on TLR3 Signaling. Journal of Immunology, 2013, 190, 4400-4407.	0.4	17
35	Defective NF-ÎºB Signaling in Metastatic Head and Neck Cancer Cells Leads to Enhanced Apoptosis by Double-Stranded RNA. Cancer Research, 2012, 72, 45-55.	0.4	31
36	Differential activity of interferon-Î±8 promoter is regulated by Oct-1 and a SNP that dictates prognosis of glioma. OncoImmunology, 2012, 1, 487-492.	2.1	11

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37	Focal Adhesion Kinase Is a Component of Antiviral RIG-I-like Receptor Signaling. Cell Host and Microbe, 2012, 11, 153-166.	5.1	43
38	Retinoic Acid-induced Gene-I (RIG-I) Associates with Nucleotide-binding Oligomerization Domain-2 (NOD2) to Negatively Regulate Inflammatory Signaling. Journal of Biological Chemistry, 2011, 286, 28574-28583.	1.6	42
39	Human Â-defensin 3 promotes NF-ÂB-mediated CCR7 expression and anti-apoptotic signals in squamous cell carcinoma of the head and neck. Carcinogenesis, 2011, 32, 168-174.	1.3	50
40	PKC alpha regulates Sendai virus-mediated interferon induction through HDAC6 and Î²-catenin. EMBO Journal, 2011, 30, 4838-4849.	3.5	88
41	Induction of interferon-stimulated genes by Simian virus 40 T antigens. Virology, 2010, 406, 202-211.	1.1	32
42	Porcine Reproductive and Respiratory Syndrome Virus Nonstructural Protein 1Î² Modulates Host Innate Immune Response by Antagonizing IRF3 Activation. Journal of Virology, 2010, 84, 1574-1584.	1.5	227
43	High-Throughput Screening for TLR3â€“IFN Regulatory Factor 3 Signaling Pathway Modulators Identifies Several Antipsychotic Drugs as TLR Inhibitors. Journal of Immunology, 2010, 184, 5768-5776.	0.4	50
44	Two Tyrosine Residues of Toll-like Receptor 3 Trigger Different Steps of NF-ÎºB Activation. Journal of Biological Chemistry, 2007, 282, 3423-3427.	1.6	47
45	Hitching RIG to action. Nature Immunology, 2005, 6, 1074-1076.	7.0	30
46	Assays for the Interferon-Induced Enzyme 2â€²,5â€² Oligoadenylate Synthetases. , 2005, 116, 81-101.		1
47	Natural Mutations in a 2â€˜â€™5â€˜ Oligoadenylate Synthetase Transgene Revealed Residues Essential for Enzyme Activityâ€. Biochemistry, 2005, 44, 6837-6843.	1.2	4
48	Transcriptional signaling by double-stranded RNA: role of TLR3. Cytokine and Growth Factor Reviews, 2005, 16, 1-14.	3.2	240
49	Novel roles of TLR3 tyrosine phosphorylation and PI3 kinase in double-stranded RNA signaling. Nature Structural and Molecular Biology, 2004, 11, 1060-1067.	3.6	336
50	Novel functions of proteins encoded by viral stress-inducible genes. , 2004, 103, 245-259.		142
51	Crystal Structure of the 2â€²-Specific and Double-Stranded RNA-Activated Interferon-Induced Antiviral Protein 2â€²-5â€²-Oligoadenylate Synthetase. Molecular Cell, 2003, 12, 1173-1185.	4.5	153
52	Double-stranded RNA Signaling by Toll-like Receptor 3 Requires Specific Tyrosine Residues in Its Cytoplasmic Domain. Journal of Biological Chemistry, 2003, 278, 4393-4396.	1.6	102
53	The Proapoptotic 9-2 Isozyme of 2-5 (A) Synthetase Cannot Substitute for the Sperm Functions of the Proapoptotic Protein, Bax. Journal of Interferon and Cytokine Research, 2002, 22, 199-206.	0.5	2
54	Crisscross Enzymatic Reaction between the Two Molecules in the Active Dimeric P69 Form of the 2â€²-5â€² Oligodenylate Synthetase. Journal of Biological Chemistry, 2002, 277, 44760-44764.	1.6	11

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55	Identification of the Substrate-binding Sites of 2â€²-5â€²-Oligoadenylate Synthetase. Journal of Biological Chemistry, 2002, 277, 24321-24330.	1.6	13
56	A Specific Isozyme of 2â€²-5â€² Oligoadenylate Synthetase Is a Dual Function Proapoptotic Protein of the Bcl-2 Family. Journal of Biological Chemistry, 2001, 276, 25447-25455.	1.6	70
57	Cell Growth Regulatory and Antiviral Effects of the P69 Isozyme of 2â^'5 (A) Synthetase. Virology, 2000, 266, 319-328.	1.1	49
58	The Nature of the Catalytic Domain of 2â€²-5â€²-Oligoadenylate Synthetases. Journal of Biological Chemistry, 1999, 274, 25535-25542.	1.6	95
59	Enzymatic Characteristics of Recombinant Medium Isozyme of 2â€²-5â€² Oligoadenylate Synthetase. Journal of Biological Chemistry, 1999, 274, 1848-1855.	1.6	64
60	Production and Purification of Recombinant 2â€˜-5â€˜ Oligoadenylate Synthetase and Its Mutants Using the Baculovirus System. Biochemistry, 1998, 37, 3824-3830.	1.2	23
61	Production, Purification, and Characterization of Recombinant 2â€²,5â€²-Oligoadenylate Synthetases. Methods, 1998, 15, 233-242.	1.9	36
62	Effects of Mutating Specific Residues Present Near the Amino Terminus of 2â€²â€“5â€²-Oligoadenylate Synthetase. Journal of Biological Chemistry, 1997, 272, 15452-15458.	1.6	28
63	Enzymatic Activity of 2â€²â€“5â€²-Oligoadenylate Synthetase Is Impaired by Specific Mutations that Affect Oligomerization of the Protein. Journal of Biological Chemistry, 1997, 272, 33220-33226.	1.6	64
64	Effect of fenvalerate, a pyrethroid insecticide on membrane fluidity. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1147, 137-142.	1.4	33