Suresh Mahalingam

List of Publications by Year
in descending order

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103 papers	5,368 citations	94269 37 h-index	91712 69 g-index
105 all docs	105 docs citations	105 times ranked	7003 citing authors

#	Article	IF	Citations
1	TIR-Domain-Containing Adapter-Inducing Interferon-Î² (TRIF)-Dependent Antiviral Responses Protect Mice against Ross River Virus Disease. MBio, 2022, , e0336321.	1.8	0
2	Interleukin-17 contributes to Ross River virus-induced arthritis and myositis. PLoS Pathogens, 2022, 18, e1010185.	2.1	6
3	Interleukin-17 Contributes to Chikungunya Virus-Induced Disease. MBio, 2022, 13, e0028922.	1.8	8
4	The Delta SARS-CoV-2 Variant of Concern Induces Distinct Pathogenic Patterns of Respiratory Disease in K18-hACE2 Transgenic Mice Compared to the Ancestral Strain from Wuhan. MBio, 2022, 13, e0068322.	1.8	17
5	Arthritogenic alphaviruses: epidemiological and clinical perspective on emerging arboviruses. Lancet Infectious Diseases, The, 2021, 21, e123-e133.	4.6	38
6	A plasmid DNA-launched SARS-CoV-2 reverse genetics system and coronavirus toolkit for COVID-19 research. PLoS Biology, 2021, 19, e3001091.	2.6	163
7	Comorbidities in SARS-CoV-2 Patients: a Systematic Review and Meta-Analysis. MBio, 2021, 12, .	1.8	184
8	Changes in complement alternative pathway components, factor B and factor H during dengue virus infection in the AG129 mouse. Journal of General Virology, 2021, 102, .	1.3	7
9	Infectious Clones Produce SARS-CoV-2 That Causes Severe Pulmonary Disease in Infected K18-Human ACE2 Mice. MBio, 2021, 12, .	1.8	9
10	Altered Spatial and Temporal Gait Parameters in Mice Infected with Ross River Virus. MSphere, 2021, 6, e0065921.	1.3	2
11	Liposomal Delivery of the RNA Genome of a Live-Attenuated Chikungunya Virus Vaccine Candidate Provides Local, but Not Systemic Protection After One Dose. Frontiers in Immunology, 2020, 11, 304.	2.2	15
12	Identification of Natural Molecular Determinants of Ross River Virus Type I Interferon Modulation. Journal of Virology, 2020, 94, .	1.5	4
13	Modulation of Monocyte-Driven Myositis in Alphavirus Infection Reveals a Role for CX ₃ CR1 ⁺ Macrophages in Tissue Repair. MBio, 2020, 11, .	1.8	16
14	Basic insights into Zika virus infection of neuroglial and brain endothelial cells. Journal of General Virology, 2020, 101, 622-634.	1.3	12
15	Development of vaccines for SARS-CoV-2. F1000Research, 2020, 9, 991.	0.8	39
16	Zika's passage to India. Lancet Infectious Diseases, The, 2019, 19, 469-470.	4.6	12
17	Inhibition of Interleukinâ€1Î² Signaling by Anakinra Demonstrates a Critical Role of Bone Loss in Experimental Arthritogenic Alphavirus Infections. Arthritis and Rheumatology, 2019, 71, 1185-1190.	2.9	17
18	Attenuation and Stability of CHIKV-NoLS, a Live-Attenuated Chikungunya Virus Vaccine Candidate. Vaccines, 2019, 7, 2.	2.1	12

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19	Analysis of Functional Virus-generated PAMP RNAs Using IFNÎ±/Î² ELISA Assay. Bio-protocol, 2019, 9, e3282.	0.2	0
20	Small tumor necrosis factor receptor biologics inhibit the tumor necrosis factor-p38 signalling axis and inflammation. Nature Communications, 2018, 9, 1365.	5.8	18
21	Review: Chikungunya Arthritis: Implications of Acute and Chronic Inflammation Mechanisms on Disease Management. Arthritis and Rheumatology, 2018, 70, 484-495.	2.9	75
22	Decreased Virulence of Ross River Virus Harboring a Mutation in the First Cleavage Site of Nonstructural Polyprotein Is Caused by a Novel Mechanism Leading to Increased Production of Interferon-Inducing RNAs. MBio, 2018, 9, .	1.8	13
23	Heterogeneity of clinical isolates of chikungunya virus and its impact on the responses of primary human fibroblast-like synoviocytes. Journal of General Virology, 2018, 99, 525-535.	1.3	9
24	Alphavirus-induced hyperactivation of PI3K/AKT directs pro-viral metabolic changes. PLoS Pathogens, 2018, 14, e1006835.	2.1	50
25	Chikungunya: treatments, opportunities and possibilities. Microbiology Australia, 2018, 39, 76.	0.1	0
26	Chikungunya virus: an update on the biology and pathogenesis of this emerging pathogen. Lancet Infectious Diseases, The, 2017, 17, e107-e117.	4.6	302
27	Mutation of the N-Terminal Region of Chikungunya Virus Capsid Protein: Implications for Vaccine Design. MBio, 2017, 8, .	1.8	37
28	Targeting the proâ€inflammatory factor CCL2 (MCPâ€1) with Bindarit for influenza A (H7N9) treatment. Clinical and Translational Immunology, 2017, 6, e135.	1.7	11
29	Zika enhancement: a reality check. Lancet Infectious Diseases, The, 2017, 17, 686-688.	4.6	11
30	Zika Virus: Mechanisms of Infection During Pregnancy. Trends in Microbiology, 2017, 25, 701-702.	3.5	9
31	Human Metapneumovirus Infection in Chronic Obstructive Pulmonary Disease: Impact of Glucocorticosteroids and Interferon. Journal of Infectious Diseases, 2017, 215, 1536-1545.	1.9	27
32	Enhancement of Zika Infection by Dengue Virusâ€“Specific Antibody Is Associated With Low Levels of Antiviral Factors. Journal of Infectious Diseases, 2017, 216, 612-614.	1.9	11
33	Specific inhibition of NLRP3 in chikungunya disease reveals a role for inflammasomes in alphavirus-induced inflammation. Nature Microbiology, 2017, 2, 1435-1445.	5.9	77
34	Mutation of a Conserved Nuclear Export Sequence in Chikungunya Virus Capsid Protein Disrupts Host Cell Nuclear Import. Viruses, 2017, 9, 306.	1.5	6
35	Lower temperatures reduce type I interferon activity and promote alphaviral arthritis. PLoS Pathogens, 2017, 13, e1006788.	2.1	37
36	An updated review of avian-origin Tembusu virus: a newly emerging avian Flavivirus. Journal of General Virology, 2017, 98, 2413-2420.	1.3	88

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37	Reverse genetic system, genetically stable reporter viruses and packaged subgenomic replicon based on a Brazilian Zika virus isolate. Journal of General Virology, 2017, 98, 2712-2724.	1.3	84
38	Chikungunya: vaccines and therapeutics. F1000Research, 2017, 6, 2114.	0.8	31
39	RNA-Seq analysis of chikungunya virus infection and identification of granzyme A as a major promoter of arthritic inflammation. PLoS Pathogens, 2017, 13, e1006155.	2.1	98
40	The MIF-CD74 Inflammatory Axis in Alphaviral Infection. , 2017, , 175-187.		0
41	Mouse Models of Chikungunya Virus. Methods in Molecular Biology, 2016, 1426, 211-224.	0.4	2
42	Effects of an In-Frame Deletion of the 6k Gene Locus from the Genome of Ross River Virus. Journal of Virology, 2016, 90, 4150-4159.	1.5	34
43	Salivary Transmission of the Chikungunya Arbovirus. Trends in Microbiology, 2016, 24, 86-87.	3.5	5
44	Role of envelope N-linked glycosylation in Ross River virus virulence and transmission. Journal of General Virology, 2016, 97, 1094-1106.	1.3	20
45	MicroRNA Regulation of Human Genes Essential for Influenza A (H7N9) Replication. PLoS ONE, 2016, 11, e0155104.	1.1	29
46	Fc receptors in antibodyâ€dependent enhancement of viral infections. Immunological Reviews, 2015, 268, 340-364.	2.8	202
47	Fighting back against chikungunya. Lancet Infectious Diseases, The, 2015, 15, 488-489.	4.6	3
48	Pentosan Polysulfate: a Novel Glycosaminoglycan-Like Molecule for Effective Treatment of Alphavirus-Induced Cartilage Destruction and Inflammatory Disease. Journal of Virology, 2015, 89, 8063-8076.	1.5	51
49	Mouse models of alphavirus-induced inflammatory disease. Journal of General Virology, 2015, 96, 221-238.	1.3	28
50	Role of Pentraxin 3 in Shaping Arthritogenic Alphaviral Disease: From Enhanced Viral Replication to Immunomodulation. PLoS Pathogens, 2015, 11, e1004649.	2.1	32
51	Bindarit, an Inhibitor of Monocyte Chemotactic Protein Synthesis, Protects against Bone Loss Induced by Chikungunya Virus Infection. Journal of Virology, 2015, 89, 581-593.	1.5	98
52	Pentraxins and Collectins: Friend or Foe during Pathogen Invasion?. Trends in Microbiology, 2015, 23, 799-811.	3.5	49
53	Emergent chikungunya virus and arthritis in the Americas. Lancet Infectious Diseases, The, 2015, 15, 1007-1008.	4.6	16
54	Arthropod-borne arthritides. Best Practice and Research in Clinical Rheumatology, 2015, 29, 259-274.	1.4	4

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55	Arthritogenic alphaviruses: new insights into arthritis and bone pathology. Trends in Microbiology, 2015, 23, 35-43.	3.5	58
56	Dual Proinflammatory and Antiviral Properties of Pulmonary Eosinophils in Respiratory Syncytial Virus Vaccine-Enhanced Disease. Journal of Virology, 2015, 89, 1564-1578.	1.5	33
57	Recent developments in virology by Australian researchers. Microbiology Australia, 2015, 36, 38.	0.1	0
58	IL-3 and CSF-1 Interact to Promote Generation of CD11c+ IL-10-Producing Macrophages. PLoS ONE, 2014, 9, e95208.	1.1	3
59	Osteoblasts from osteoarthritis patients show enhanced susceptibility to Ross River virus infection associated with delayed type I interferon responses. Virology Journal, 2014, 11, 189.	1.4	8
60	Arthritogenic alphaviral infection perturbs osteoblast function and triggers pathologic bone loss. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6040-6045.	3.3	107
61	Chikungunya Virus: Emerging Targets and New Opportunities for Medicinal Chemistry. Journal of Medicinal Chemistry, 2014, 57, 1147-1166.	2.9	71
62	Dengue virus and host antibody: a dangerous balancing act. Lancet Infectious Diseases, The, 2014, 14, 783-784.	4.6	2
63	Characterization of Barmah Forest virus pathogenesis in a mouse model. Journal of General Virology, 2014, 95, 2146-2154.	1.3	11
64	Chikungunya virus and arthritic disease. Lancet Infectious Diseases, The, 2014, 14, 789-790.	4.6	41
65	Sphingosine kinase 1 in viral infections. Reviews in Medical Virology, 2013, 23, 73-84.	3.9	42
66	Dengue vaccine efficacy trial: does interference cause failure?. Lancet Infectious Diseases, The, 2013, 13, 191-192.	4.6	25
67	Dengue virus therapeutic intervention strategies based on viral, vector and host factors involved in disease pathogenesis. , 2013, 137, 266-282.		38
68	Macrophage Migration Inhibitory Factor Receptor CD74 Mediates Alphavirusâ€Induced Arthritis and Myositis in Murine Models of Alphavirus Infection. Arthritis and Rheumatism, 2013, 65, 2724-2736.	6.7	40
69	Methotrexate Treatment Causes Early Onset of Disease in a Mouse Model of Ross River Virus-Induced Inflammatory Disease through Increased Monocyte Production. PLoS ONE, 2013, 8, e71146.	1.1	17
70	Call to Action for Dengue Vaccine Failure. Emerging Infectious Diseases, 2013, 19, 1335-1337.	2.0	25
71	Approaches to the treatment of disease induced by chikungunya virus. Indian Journal of Medical Research, 2013, 138, 762-5.	0.4	6
72	Mannose Binding Lectin Is Required for Alphavirus-Induced Arthritis/Myositis. PLoS Pathogens, 2012, 8, e1002586.	2.1	55

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73	Interleukin 6, RANKL, and Osteoprotegerin Expression by Chikungunya Virus-Infected Human Osteoblasts. Journal of Infectious Diseases, 2012, 206, 455-457.	1.9	71
74	Chikungunya: a re-emerging virus. Lancet, The, 2012, 379, 662-671.	6.3	506
75	Hendra virus: an emerging paramyxovirus in Australia. Lancet Infectious Diseases, The, 2012, 12, 799-807.	4.6	104
76	Applications of Animal Models of Infectious Arthritis in Drug Discovery:A focus on Alphaviral Disease. Current Drug Targets, 2011, 12, 1024-1036.	1.0	7
77	Mutations in nsP1 and PE2 are critical determinants of Ross River virus-induced musculoskeletal inflammatory disease in a mouse model. Virology, 2011, 410, 216-227.	1.1	30
78	Disease exacerbation by etanercept in a mouse model of alphaviral arthritis and myositis. Arthritis and Rheumatism, 2011, 63, 488-491.	6.7	34
79	The genetics of alphaviruses. Future Virology, 2011, 6, 1407-1422.	0.9	10
80	Critical role for macrophage migration inhibitory factor (MIF) in Ross River virus-induced arthritis and myositis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12048-12053.	3.3	76
81	Protection From Arthritis and Myositis in a Mouse Model of Acute Chikungunya Virus Disease by Bindarit, an Inhibitor of Monocyte Chemotactic Protein-1 Synthesis. Journal of Infectious Diseases, 2011, 204, 1026-1030.	1.9	124
82	Downregulation of Interferon-Î² in Antibody-Dependent Enhancement of Dengue Viral Infections of Human Macrophages Is Dependent on Interleukin-6. Journal of Infectious Diseases, 2011, 204, 489-491.	1.9	23
83	Identification and Characterization of a Ross River Virus Variant That Grows Persistently in Macrophages, Shows Altered Disease Kinetics in a Mouse Model, and Exhibits Resistance to Type I Interferon. Journal of Virology, 2011, 85, 5651-5663.	1.5	23
84	Intrinsic antibody-dependent enhancement of microbial infection in macrophages: disease regulation by immune complexes. Lancet Infectious Diseases, The, 2010, 10, 712-722.	4.6	334
85	Pulmonary infection of mice with human metapneumovirus induces local cytotoxic T-cell and immunoregulatory cytokine responses similar to those seen with human respiratory syncytial virus. Journal of General Virology, 2010, 91, 1302-1310.	1.3	25
86	Human Metapneumovirus Establishes Persistent Infection in the Lungs of Mice and Is Reactivated by Glucocorticoid Treatment. Journal of Virology, 2009, 83, 6837-6848.	1.5	32
87	The immunobiology of viral arthritides. , 2009, 124, 301-308.		51
88	Amelioration of alphavirusâ€induced arthritis and myositis in a mouse model by treatment with bindarit, an inhibitor of monocyte chemotactic proteins. Arthritis and Rheumatism, 2009, 60, 2513-2523.	6.7	82
89	The Medicinal Chemistry of Dengue Fever. Journal of Medicinal Chemistry, 2009, 52, 7911-7926.	2.9	71
90	Molecular and cellular mechanisms in the viral exacerbation of asthma. Microbes and Infection, 2008, 10, 1014-1023.	1.0	15

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91	Macrophageâ€Derived Proinflammatory Factors Contribute to the Development of Arthritis and Myositis after Infection with an Arthrogenic Alphavirus. Journal of Infectious Diseases, 2008, 197, 1585-1593.	1.9	124
92	Mechanisms of Chikungunya virus disease informed by Ross River virus research. Future Virology, 2008, 3, 509-511.	0.9	2
93	Complement Contributes to Inflammatory Tissue Destruction in a Mouse Model of Ross River Virus-Induced Disease. Journal of Virology, 2007, 81, 5132-5143.	1.5	92
94	Differential Induction of Type I Interferon Responses in Myeloid Dendritic Cells by Mosquito and Mammalian-Cell-Derived Alphaviruses. Journal of Virology, 2007, 81, 237-247.	1.5	85
95	The Molecular and Cellular Aspects of Arthritis Due to Alphavirus Infections. Annals of the New York Academy of Sciences, 2007, 1102, 96-108.	1.8	68
96	Antibody-dependent enhancement and vaccine development. Expert Review of Vaccines, 2006, 5, 409-412.	2.0	24
97	Inhibition of Arginase I Activity by RNA Interference Attenuates IL-13-Induced Airways Hyperresponsiveness. Journal of Immunology, 2006, 177, 5595-5603.	0.4	94
98	Cytotoxic T-Lymphocyte Epitope Vaccination Protects against Human Metapneumovirus Infection and Disease in Mice. Journal of Virology, 2006, 80, 2034-2044.	1.5	74
99	Characterization of Ross River Virus Tropism and Virus-Induced Inflammation in a Mouse Model of Viral Arthritis and Myositis. Journal of Virology, 2006, 80, 737-749.	1.5	185
100	Suppression of lipopolysaccharide-induced antiviral transcription factor (STAT-1 and NF-ÂB) complexes by antibody-dependent enhancement of macrophage infection by Ross River virus. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13819-13824.	3.3	82
101	Enhanced resistance in STAT6-deficient mice to infection with ectromelia virus. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6812-6817.	3.3	28
102	Specific Ablation of Antiviral Gene Expression in Macrophages by Antibody-Dependent Enhancement of Ross River Virus Infection. Journal of Virology, 2000, 74, 8376-8381.	1.5	85
103	The Interferon-Inducible Chemokines MuMig and Crg-2 Exhibit Antiviral Activity In Vivo. Journal of Virology, 1999, 73, 1479-1491.	1.5	93