Stephen L Leib

List of Publications by Year
in descending order

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217 papers	8,538 citations	43973 48 h-index	60497 81 g-index
240 all docs	240 docs citations	240 times ranked	8650 citing authors

#	Article	IF	Citations
1	ESCMID guideline: diagnosis and treatment of acute bacterial meningitis. Clinical Microbiology and Infection, 2016, 22, S37-S62.	2.8	529
2	Tollâ€Like Receptor 2â€“Deficient Mice Are Highly Susceptible toStreptococcus pneumoniaeMeningitis because of Reduced Bacterial Clearing and Enhanced Inflammation. Journal of Infectious Diseases, 2002, 186, 798-806.	1.9	295
3	Matrix metalloproteinases: multifunctional effectors of inflammation in multiple sclerosis and bacterial meningitis. Brain Research Reviews, 2001, 36, 249-257.	9.1	236
4	Matrix Metalloproteinase (MMP)-8 and MMP-9 in Cerebrospinal Fluid during Bacterial Meningitis: Association with Blood-Brain Barrier Damage and Neurological Sequelae. Clinical Infectious Diseases, 2000, 31, 80-84.	2.9	228
5	Matrix Metalloproteinases Contribute to Brain Damage in Experimental Pneumococcal Meningitis. Infection and Immunity, 2000, 68, 615-620.	1.0	228
6	Reactive oxygen intermediates contribute to necrotic and apoptotic neuronal injury in an infant rat model of bacterial meningitis due to group B streptococci.. Journal of Clinical Investigation, 1996, 98, 2632-2639.	3.9	213
7	Inhibition of matrix metalloproteinases and tumour necrosis factor alpha converting enzyme as adjuvant therapy in pneumococcal meningitis. Brain, 2001, 124, 1734-1742.	3.7	199
8	Bacteremia causes hippocampal apoptosis in experimental pneumococcal meningitis. BMC Infectious Diseases, 2010, 10, 1.	1.3	195
9	PATHOGENESIS OF BACTERIAL MENINGITIS. Infectious Disease Clinics of North America, 1999, 13, 527-548.	1.9	170
10	Dexamethasone Aggravates Hippocampal Apoptosis and Learning Deficiency in Pneumococcal Meningitis in Infant Rats. Pediatric Research, 2003, 54, 353-357.	1.1	147
11	Predictive Value of Cerebrospinal Fluid (CSF) Lactate Level Versus CSF/Blood Glucose Ratio for the Diagnosis of Bacterial Meningitis Following Neurosurgery. Clinical Infectious Diseases, 1999, 29, 69-74.	2.9	144
12	Evaluation of Epidemiological Cut-Off Values Indicates that Biocide Resistant Subpopulations Are Uncommon in Natural Isolates of Clinically-Relevant Microorganisms. PLoS ONE, 2014, 9, e86669.	1.1	135
13	Brainâ€Derived Neurotrophic Factor Protects against Multiple Forms of Brain Injury in Bacterial Meningitis. Journal of Infectious Diseases, 2005, 191, 40-45.	1.9	113
14	Prevention of Brain Injury by the Nonbacteriolytic Antibiotic Daptomycin in Experimental Pneumococcal Meningitis. Antimicrobial Agents and Chemotherapy, 2007, 51, 2173-2178.	1.4	108
15	Neuroprotective Effect of Excitatory Amino Acid Antagonist Kynurenic Acid in Experimental Bacterial Meningitis. Journal of Infectious Diseases, 1996, 173, 166-171.	1.9	106
16	Endothelin inhibition improves cerebral blood flow and is neuroprotective in pneumococcal meningitis. Annals of Neurology, 2000, 47, 329-335.	2.8	105
17	The Free Radical Scavenger Î±â€Phenylâ€Tertâ€Butyl Nitrone Aggravates Hippocampal Apoptosis and Learning Deficits in Experimental Pneumococcal Meningitis. Journal of Infectious Diseases, 2001, 183, 247-252.	1.9	105
18	Severe hepatotoxicity following ingestion of HerbalifeÂ® nutritional supplements contaminated with Bacillus subtilis. Journal of Hepatology, 2009, 50, 111-117.	1.8	101

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19	Matrix Metalloproteinaseâ€“9 in Pneumococcal Meningitis: Activation via an Oxidative Pathway. Journal of Infectious Diseases, 2003, 187, 1411-1415.	1.9	100
20	Effects of Clinically Used Antioxidants in Experimental Pneumococcal Meningitis. Journal of Infectious Diseases, 2000, 182, 347-350.	1.9	98
21	Bacterial meningitis causes two distinct forms of cellular damage in the hippocampal dentate gyrus in infant rats. Hippocampus, 2003, 13, 481-488.	0.9	91
22	Phage Lytic Enzyme Cplâ€1 for Antibacterial Therapy in Experimental Pneumococcal Meningitis. Journal of Infectious Diseases, 2008, 197, 1519-1522.	1.9	90
23	An infant mouse model of brain damage in pneumococcal meningitis. Acta Neuropathologica, 2007, 114, 609-617.	3.9	86
24	Current concepts in the pathogenesis of meningitis caused by Streptococcus pneumoniae. Current Opinion in Infectious Diseases, 2002, 15, 253-257.	1.3	83
25	Caspase-3 mediates hippocampal apoptosis in pneumococcal meningitis. Acta Neuropathologica, 2003, 105, 499-507.	3.9	83
26	Doxycycline Reduces Mortality and Injury to the Brain and Cochlea in Experimental Pneumococcal Meningitis. Infection and Immunity, 2006, 74, 3890-3896.	1.0	79
27	In bacterial meningitis cortical brain damage is associated with changes in parenchymal MMP-9/TIMP-1 ratio and increased collagen type IV degradation. Neurobiology of Disease, 2006, 21, 647-656.	2.1	77
28	Microglial Cells Prevent Hemorrhage in Neonatal Focal Arterial Stroke. Journal of Neuroscience, 2016, 36, 2881-2893.	1.7	77
29	Vaccination with recombinant NcROP2 combined with recombinant NcMIC1 and NcMIC3 reduces cerebral infection and vertical transmission in mice experimentally infected with Neospora caninum tachyzoites. International Journal for Parasitology, 2009, 39, 1373-1384.	1.3	72
30	Intracisternal Application of Endotoxin Enhances the Susceptibility to Subsequent Hypoxic-Ischemic Brain Damage in Neonatal Rats. Pediatric Research, 2003, 53, 770-775.	1.1	71
31	In Vitro Activity of the Novel Antimicrobial Peptide Dendrimer G3KL against Multidrug-Resistant Acinetobacter baumannii and Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2015, 59, 7915-7918.	1.4	70
32	In pneumococcal meningitis a novel water-soluble inhibitor of matrix metalloproteinases and TNF-Î± converting enzyme attenuates seizures and injury of the cerebral cortex. Journal of Neuroimmunology, 2004, 151, 6-11.	1.1	66
33	Aspirin versus anticoagulation in cervical artery dissection (TREAT-CAD): an open-label, randomised, non-inferiority trial. Lancet Neurology, The, 2021, 20, 341-350.	4.9	66
34	Inflammasome-Dependent IFN-Î³ Drives Pathogenesis in Streptococcus pneumoniae Meningitis. Journal of Immunology, 2012, 189, 4970-4980.	0.4	65
35	Role of Glial Cells in the Functional Expression of LL-37/Rat Cathelin-Related Antimicrobial Peptide in Meningitis. Journal of Neuropathology and Experimental Neurology, 2008, 67, 1041-1054.	0.9	64
36	Cerebrospinal-fluid cytokine and chemokine profile in patients with pneumococcal and meningococcal meningitis. BMC Infectious Diseases, 2013, 13, 326.	1.3	64

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37	Eosinophils regulate adipose tissue inflammation and sustain physical and immunological fitness in old age. Nature Metabolism, 2020, 2, 688-702.	5.1	64
38	Oxidative stress in brain during experimental bacterial meningitis: differential effects of Î±-phenyl-tert-butyl nitrone and N-acetylcysteine treatment. Free Radical Biology and Medicine, 2001, 31, 754-762.	1.3	63
39	The Causative Pathogen Determines the Inflammatory Profile in Cerebrospinal Fluid and Outcome in Patients with Bacterial Meningitis. Mediators of Inflammation, 2013, 2013, 1-12.	1.4	62
40	Evaluation of primer pairs for microbiome profiling from soils to humans within the One Health framework. Molecular Ecology Resources, 2020, 20, 1558-1571.	2.2	61
41	Metformin mediates neuroprotection and attenuates hearing loss in experimental pneumococcal meningitis. Journal of Neuroinflammation, 2019, 16, 156.	3.1	59
42	Attenuation of Cerebrospinal Fluid Inflammation by the Nonbacteriolytic Antibiotic Daptomycin versus That by Ceftriaxone in Experimental Pneumococcal Meningitis. Antimicrobial Agents and Chemotherapy, 2010, 54, 1323-1326.	1.4	58
43	Pathogenesis and pathophysiology of bacterial CNS infections. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2010, 96, 1-16.	1.0	58
44	Prevalence of tick-borne pathogens in questing Ixodes ricinus ticks in urban and suburban areas of Switzerland. Parasites and Vectors, 2017, 10, 558.	1.0	58
45	A transcribed enhancer dictates mesendoderm specification in pluripotency. Nature Communications, 2017, 8, 1806.	5.8	56
46	Application of Real-Time Fluorescent PCR for Quantitative Assessment of Neospora caninum Infections in Organotypic Slice Cultures of Rat Central Nervous System Tissue. Journal of Clinical Microbiology, 2002, 40, 252-255.	1.8	55
47	Bacteriophages Improve Outcomes in Experimental Staphylococcus aureus Ventilator-associated Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1126-1133.	2.5	54
48	Herpes-simplex virus encephalitis is characterized by an early MMP-9 increase and collagen type IV degradation. Brain Research, 2006, 1125, 155-162.	1.1	53
49	Matrix Metalloproteinase Inhibition Lowers Mortality and Brain Injury in Experimental Pneumococcal Meningitis. Infection and Immunity, 2014, 82, 1710-1718.	1.0	53
50	Strategies to prevent neuronal damage in paediatric bacterial meningitis. Current Opinion in Pediatrics, 2006, 18, 112-118.	1.0	52
51	Caspase-3 Mediates In Part Hippocampal Apoptosis in Sepsis. Molecular Neurobiology, 2013, 47, 394-398.	1.9	48
52	Meningitis in Neonates: Bench to Bedside. Clinics in Perinatology, 2010, 37, 655-676.	0.8	46
53	MMPs and ADAMs in neurological infectious diseases and multiple sclerosis. Cellular and Molecular Life Sciences, 2019, 76, 3097-3116.	2.4	46
54	Deletion of Fibrinogen-like Protein 2 (FGL-2), a Novel CD4+ CD25+ Treg Effector Molecule, Leads to Improved Control of Echinococcus multilocularis Infection in Mice. PLoS Neglected Tropical Diseases, 2015, 9, e0003755.	1.3	45

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55	The Severity of Infection Determines the Localization of Damage and Extent of Sensorineural Hearing Loss in Experimental Pneumococcal Meningitis. Journal of Neuroscience, 2016, 36, 7740-7749.	1.7	43
56	Rapid diagnosis of experimental meningitis by bacterial heat production in cerebrospinal fluid. BMC Infectious Diseases, 2007, 7, 116.	1.3	42
57	The formyl peptide receptor like-1 and scavenger receptor MARCO are involved in glial cell activation in bacterial meningitis. Journal of Neuroinflammation, 2011, 8, 11.	3.1	42
58	Comparative Efficacies of Antibiotics in a Rat Model of Meningoencephalitis Due to Listeria monocytogenes. Antimicrobial Agents and Chemotherapy, 1999, 43, 1651-1656.	1.4	41
59	Pneumococcal Meningitis Induces Apoptosis in Recently Postmitotic Immature Neurons in the Dentate Gyrus of Neonatal Rats. Developmental Neuroscience, 2007, 29, 134-142.	1.0	41
60	Ebola vaccine R&D: Filling the knowledge gaps. Science Translational Medicine, 2015, 7, 317ps24.	5.8	41
61	Bacterial meningitis: insights into pathogenesis and evaluation of new treatment options: a perspective from experimental studies. Future Microbiology, 2015, 10, 1195-1213.	1.0	40
62	Limited Correlation of Shotgun Metagenomics Following Host Depletion and Routine Diagnostics for Viruses and Bacteria in Low Concentrated Surrogate and Clinical Samples. Frontiers in Cellular and Infection Microbiology, 2018, 8, 375.	1.8	40
63	Endogenous and synthetic MMP inhibitors in CNS physiopathology. Progress in Brain Research, 2014, 214, 313-351.	0.9	39
64	Multiple adaptive routes of Salmonella enterica Typhimurium to biocide and antibiotic exposure. BMC Genomics, 2016, 17, 491.	1.2	39
65	Pulmonary nocardiosis in Western Europeâ€"Clinical evaluation of 43 patients and population-based estimates of hospitalization rates. International Journal of Infectious Diseases, 2019, 81, 140-148.	1.5	39
66	Combined effect of non-bacteriolytic antibiotic and inhibition of matrix metalloproteinases prevents brain injury and preserves learning, memory and hearing function in experimental paediatric pneumococcal meningitis. Journal of Neuroinflammation, 2018, 15, 233.	3.1	37
67	Rapid and Cost-Efficient Enterovirus Genotyping from Clinical Samples Using Flongle Flow Cells. Genes, 2019, 10, 659.	1.0	37
68	Cerebral Vasculature Is the Major Target of Oxidative Protein Alterations in Bacterial Meningitis. Journal of Neuropathology and Experimental Neurology, 2002, 61, 605-613.	0.9	36
69	Adjunctive Daptomycin Attenuates Brain Damage and Hearing Loss More Efficiently than Rifampin in Infant Rat Pneumococcal Meningitis. Antimicrobial Agents and Chemotherapy, 2012, 56, 4289-4295.	1.4	36
70	Bacterial Meningitis Impairs Hippocampal Neurogenesis. Journal of Neuropathology and Experimental Neurology, 2011, 70, 890-899.	0.9	35
71	Streptococcus pneumoniaecapsule determines disease severity in experimental pneumococcal meningitis. Open Biology, 2016, 6, 150269.	1.5	35
72	Limited Efficacy of Adjuvant Therapy with Dexamethasone in Preventing Hearing Loss Due to Experimental Pneumococcal Meningitis in the Infant Rat. Pediatric Research, 2007, 62, 291-294.	1.1	34

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73	Restoration of Akt activity by the bisperoxovanadium compound bpV(pic) attenuates hippocampal apoptosis in experimental neonatal pneumococcal meningitis. Neurobiology of Disease, 2011, 41, 201-208.	2.1	34
74	The kynurenine pathway is involved in bacterial meningitis. Journal of Neuroinflammation, 2014, 11, 169.	3.1	34
75	Accuracy of serological testing for SARSâ€CoVâ€2 antibodies: First results of a large mixedâ€method evaluation study. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 853-865.	2.7	34
76	Nitric Oxide Is Protective in Listeric Meningoencephalitis of Rats. Infection and Immunity, 2001, 69, 4086-4093.	1.0	33
77	DIFFERENTIAL EFFECTS OF INTERFERON-Î³ AND TUMOR NECROSIS FACTOR-Î± ON TOXOPLASMA GONDII PROLIFERATION IN ORGANOTYPIC RAT BRAIN SLICE CULTURES. Journal of Parasitology, 2005, 91, 307-315.	0.3	33
78	Gene expression in cortex and hippocampus during acute pneumococcal meningitis. BMC Biology, 2006, 4, 15.	1.7	33
79	Levels of Matrix Metalloproteinaseâ€“9 within Cerebrospinal Fluid in a Rabbit Model of Coccidioidal Meningitis and Vasculitis. Journal of Infectious Diseases, 2002, 186, 1692-1695.	1.9	32
80	Epidemiology of Human Adenoviruses: A 20-Year Retrospective Observational Study in Hospitalized Patients in Bern, Switzerland . Clinical Epidemiology, 2020, Volume 12, 353-366.	1.5	32
81	SARS-CoV-2 N501Y Introductions and Transmissions in Switzerland from Beginning of October 2020 to February 2021â€”Implementation of Swiss-Wide Diagnostic Screening and Whole Genome Sequencing. Microorganisms, 2021, 9, 677.	1.6	32
82	Pneumococcal meningitis causes accumulation of neurotoxic kynurenine metabolites in brain regions prone to injury. Neurobiology of Disease, 2006, 24, 395-402.	2.1	31
83	RecNcMIC3-1-R is a microneme- and rhoptry-based chimeric antigen that protects against acute neosporosis and limits cerebral parasite load in the mouse model for Neospora caninum infection. Vaccine, 2011, 29, 6967-6975.	1.7	31
84	Embryonic Stem Cell-Derived Neurons Grown on Multi-Electrode Arrays as a Novel In vitro Bioassay for the Detection of Clostridium botulinum Neurotoxins. Frontiers in Pharmacology, 2017, 8, 73.	1.6	30
85	Therapy of community-acquired acute bacterial meningitis: the clock is running. Expert Opinion on Pharmacotherapy, 2009, 10, 2609-2623.	0.9	29
86	Inhibition of matrix metalloproteinases attenuates brain damage in experimental meningococcal meningitis. BMC Infectious Diseases, 2014, 14, 726.	1.3	29
87	Gelatinase B [matrix metalloproteinase (MMP)-9] and collagenases (MMP-8/-13) are upregulated in cerebrospinal fluid during aseptic and bacterial meningitis in children. Neuropathology and Applied Neurobiology, 2006, 32, 304-317.	1.8	28
88	Improving the quality and workflow of bacterial genome sequencing and analysis: paving the way for a Switzerland-wide molecular epidemiological surveillance platform. Swiss Medical Weekly, 2018, 148, w14693.	0.8	28
89	Hepatic Gene Expression Profile in Mice Perorally Infected with Echinococcus multilocularis Eggs. PLoS ONE, 2010, 5, e9779.	1.1	27
90	Benefits of Aerosolized Phages for the Treatment of Pneumonia Due to Methicillin-ResistantStaphylococcus aureus: An Experimental Study in Rats. Journal of Infectious Diseases, 2022, 225, 1452-1459.	1.9	27

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91	Re-emergence of invasive pneumococcal disease (IPD) and increase of serotype 23B after easing of COVID-19 measures, Switzerland, 2021. Emerging Microbes and Infections, 2021, 10, 2202-2204.	3.0	26
92	Nocardial Brain Abscess: Observation of Treatment Strategies and Outcome in Switzerland from 1992 to 1999. Infection, 2001, 29, 337-341.	2.3	25
93	Marked elevation in cortical urate and xanthine oxidoreductase activity in experimental bacterial meningitis. Brain Research, 2001, 900, 244-251.	1.1	25
94	Patterns and trends of pediatric bloodstream infections: a 7-year surveillance study. European Journal of Clinical Microbiology and Infectious Diseases, 2017, 36, 537-544.	1.3	25
95	Differential Effect of p47 phox and gp91 phox Deficiency on the Course of Pneumococcal Meningitis. Infection and Immunity, 2003, 71, 4087-4092.	1.0	24
96	Effect of interferon-Î² and atorvastatin on Th1/Th2 cytokines in multiple sclerosis. Neurochemistry International, 2008, 53, 17-21.	1.9	24
97	Inducible Nitric Oxide Synthase and Nitrotyrosine in Listeric Encephalitis: A Cross-species Study in Ruminants. Veterinary Pathology, 2002, 39, 190-199.	0.8	23
98	Adjuvant TACE inhibitor treatment improves the outcome of TLR2-/-mice with experimental pneumococcal meningitis. BMC Infectious Diseases, 2007, 7, 25.	1.3	23
99	Gene and protein expression of galectin-3 and galectin-9 in experimental pneumococcal meningitis. Neurobiology of Disease, 2007, 28, 175-183.	2.1	23
100	Essential role of choline for pneumococcal virulence in an experimental model of meningitis. Journal of Internal Medicine, 2008, 264, 143-154.	2.7	23
101	Expression and regulation of antimicrobial peptide rCRAMP after bacterial infection in primary rat meningeal cells. Journal of Neuroimmunology, 2009, 217, 55-64.	1.1	23
102	Inhibition of the Kynurenine-NAD⁺Pathway Leads to Energy Failure and Exacerbates Apoptosis in Pneumococcal Meningitis. Journal of Neuropathology and Experimental Neurology, 2010, 69, 1096-1104.	0.9	23
103	The Mood-Stabilizer Lithium Prevents Hippocampal Apoptosis and Improves Spatial Memory in Experimental Meningitis. PLoS ONE, 2014, 9, e113607.	1.1	23
104	Managing atypical and typical herpetic central nervous system infections: results of a multinational study. Clinical Microbiology and Infection, 2016, 22, 568.e9-568.e17.	2.8	23
105	Inflammatory markers in pediatric stroke: An attempt to better understanding the pathophysiology. European Journal of Paediatric Neurology, 2016, 20, 252-260.	0.7	23
106	Adjunctive Dexamethasone Affects the Expression of Genes Related to Inflammation, Neurogenesis and Apoptosis in Infant Rat Pneumococcal Meningitis. PLoS ONE, 2011, 6, e17840.	1.1	23
107	Vitamin B6 reduces hippocampal apoptosis in experimental pneumococcal meningitis. BMC Infectious Diseases, 2013, 13, 393.	1.3	22
108	Correlation of serum and urinary matrix metalloproteases/tissue inhibitors of metalloproteases with subclinical allograft fibrosis in renal transplantation. Transplant Immunology, 2014, 30, 1-6.	0.6	22

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109	A randomized trial of the effects of the noble gases helium and argon on neuroprotection in a rodent cardiac arrest model. BMC Neurology, 2016, 16, 43.	0.8	22
110	Evaluation of neurofilament light chain in the cerebrospinal fluid and blood as a biomarker for neuronal damage in experimental pneumococcal meningitis. Journal of Neuroinflammation, 2020, 17, 293.	3.1	22
111	Nebulized Bacteriophages for Prophylaxis of Experimental Ventilator-Associated Pneumonia Due to Methicillin-Resistant Staphylococcus aureus. Critical Care Medicine, 2020, 48, 1042-1046.	0.4	22
112	Temporal expression of inflammatory mediators in brain basilar artery vasculitis and cerebrospinal fluid of rabbits with coccidioidal meningitis. Clinical and Experimental Immunology, 2006, 143, 458-466.	1.1	21
113	Association of kynurenine aminotransferase II gene C401T polymorphism with immune response in patients with meningitis. BMC Medical Genetics, 2011, 12, 51.	2.1	21
114	Neospora caninum and bone marrowâ€derived dendritic cells: parasite survival, proliferation, and induction of cytokine expression. Parasite Immunology, 2009, 31, 366-372.	0.7	20
115	Adjuvant glycerol is not beneficial in experimental pneumococcal meningitis. BMC Infectious Diseases, 2010, 10, 84.	1.3	20
116	Bacterial meningitis: current therapy and possible future treatment options. Expert Review of Anti-Infective Therapy, 2011, 9, 1053-1065.	2.0	20
117	The matrix metalloproteinase inhibitor RS-130830 attenuates brain injury in experimental pneumococcal meningitis. Journal of Neuroinflammation, 2015, 12, 43.	3.1	20
118	JNK is activated but does not mediate hippocampal neuronal apoptosis in experimental neonatal pneumococcal meningitis. Neurobiology of Disease, 2008, 32, 142-150.	2.1	19
119	How is post-mortem microbiology appraised by pathologists? Results from a practice survey conducted by ESGFOR. European Journal of Clinical Microbiology and Infectious Diseases, 2017, 36, 1381-1385.	1.3	19
120	Burkholderia stabilis outbreak associated with contaminated commercially-available washing gloves, Switzerland, May 2015 to August 2016. Eurosurveillance, 2017, 22, .	3.9	19
121	Infection of organotypic slice cultures from rat central nervous tissue with Neospora caninum: an alternative approach to study hostâ€“parasite interactions. International Journal for Parasitology, 2002, 32, 533-542.	1.3	18
122	Blockade of NMDA receptor subtype NR2B prevents seizures but not apoptosis of dentate gyrus neurons in bacterial meningitis in infant rats. BMC Neuroscience, 2003, 4, 21.	0.8	18
123	Organotypic slice cultures from rat brain tissue: a new approach forNaegleria fowleriCNS infectionin vitro. Parasitology, 2005, 132, 797-804.	0.7	18
124	Clinical Streptococcus pneumoniae isolates induce differing CXCL8 responses from human nasopharyngeal epithelial cells which are reduced by liposomes. BMC Microbiology, 2016, 16, 154.	1.3	18
125	Isolation and characterization of bacteriophages from the human skin microbiome that infectStaphylococcus epidermidis. FEMS Microbes, 2021, 2, .	0.8	18
126	Apoptosis of Hippocampal Neurons in Organotypic Slice Culture Models: Direct Effect of Bacteria Revisited. Journal of Neuropathology and Experimental Neurology, 2004, 63, 610-617.	0.9	17

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127	Induction of haem oxygenase-1 causes cortical non-haem iron increase in experimental pneumococcal meningitis: evidence that concomitant ferritin up-regulation prevents iron-induced oxidative damage. Journal of Neurochemistry, 2007, 100, 532-544.	2.1	17
128	Ruminant organotypic brainâ€slice cultures as a model for the investigation of CNS listeriosis. International Journal of Experimental Pathology, 2012, 93, 259-268.	0.6	17
129	A Tick-Borne Encephalitis Model in Infant Rats Infected With Langat Virus. Journal of Neuropathology and Experimental Neurology, 2014, 73, 1107-1115.	0.9	17
130	Mutations upstream of fabI in triclosan resistant Staphylococcus aureus strains are associated with elevated fabI gene expression. BMC Genomics, 2015, 16, 345.	1.2	17
131	Foreign peptide triggers boost in pneumococcal metabolism and growth. BMC Microbiology, 2018, 18, 23.	1.3	17
132	Combining Ceftriaxone with Doxycycline and Daptomycin Reduces Mortality, Neuroinflammation, Brain Damage, and Hearing Loss in Infant Rat Pneumococcal Meningitis. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	17
133	Testing bioresorbable stent feasibility in a rat aneurysm model. Journal of NeuroInterventional Surgery, 2019, 11, 1050-1054.	2.0	17
134	Fatal bronchopneumonia caused by skunk adenovirus 1 in an African pygmy hedgehog. Journal of Veterinary Diagnostic Investigation, 2019, 31, 103-106.	0.5	17
135	Patterns of Neointima Formation After Coil or Stent Treatment in a Rat Saccular Sidewall Aneurysm Model. Stroke, 2021, 52, 1043-1052.	1.0	17
136	Innate and adaptive immune responses following PDâ€L1 blockade in treating chronic murine alveolar echinococcosis. Parasite Immunology, 2021, 43, e12834.	0.7	17
137	Tracking the transcriptional host response from the acute to the regenerative phase of experimental pneumococcal meningitis. BMC Infectious Diseases, 2010, 10, 176.	1.3	16
138	SNPs in DNA repair genes associated to meningitis and host immune response. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 713, 39-47.	0.4	16
139	The antidepressant fluoxetine protects the hippocampus from brain damage in experimental pneumococcal meningitis. Neuroscience, 2015, 297, 89-94.	1.1	16
140	Genetic polymorphisms associated with the inflammatory response in bacterial meningitis. BMC Medical Genetics, 2015, 16, 70.	2.1	15
141	An improved simple rat model for global cerebral ischaemia by induced cardiac arrest. Neurological Research, 2016, 38, 373-380.	0.6	15
142	Streptococcus pneumoniae-induced ototoxicity in organ of Corti explant cultures. Hearing Research, 2017, 350, 100-109.	0.9	15
143	A Sample-to-Report Solution for Taxonomic Identification of Cultured Bacteria in the Clinical Setting Based on Nanopore Sequencing. Journal of Clinical Microbiology, 2020, 58, .	1.8	15
144	Distribution of human immunodeficiency virus (HIV) in the CNS of children with severe HIV encephalomyelopathy. Acta Neuropathologica, 1992, 84, 24-31.	3.9	14

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145	A case of maternal herpes simplex virus encephalitis during late pregnancy. Nature Clinical Practice Neurology, 2009, 5, 51-56.	2.7	14
146	Investigating the Extent of Primer Dropout in SARS-CoV-2 Genome Sequences During the Early Circulation of Delta Variants. Frontiers in Virology, 2022, 2, .	0.7	14
147	In vitroinduction of lymph node cell proliferation by mouse bone marrow dendritic cells following stimulation with differentEchinococcus multilocularisantigens. Journal of Helminthology, 2011, 85, 128-137.	0.4	13
148	Anti-inflammatory and Oto-Protective Effect of the Small Heat Shock Protein Alpha B-Crystallin (HspB5) in Experimental Pneumococcal Meningitis. Frontiers in Neurology, 2019, 10, 570.	1.1	13
149	External Quality Assessment of SARS-CoV-2 Sequencing: an ESGMD-SSM Pilot Trial across 15 European Laboratories. Journal of Clinical Microbiology, 2022, 60, JCM0169821.	1.8	13
150	Impaired cortical energy metabolism but not major antioxidant defenses in experimental bacterial meningitis. Brain Research, 2003, 976, 139-148.	1.1	12
151	A model of cerebral aspergillosis in non-immunosuppressed nursing rats. Acta Neuropathologica, 2007, 114, 411-418.	3.9	12
152	Do different anesthesia regimes affect hippocampal apoptosis and neurologic deficits in a rodent cardiac arrest model?. BMC Anesthesiology, 2015, 15, 2.	0.7	12
153	Novel and preclinical treatment strategies in pneumococcal meningitis. Current Opinion in Infectious Diseases, 2018, 31, 85-92.	1.3	12
154	Antimicrobial resistance classification using MALDI-TOF-MS is not that easy: lessons from vancomycin-resistant Enterococcus faecium. Clinical Microbiology and Infection, 2020, 26, 391-393.	2.8	12
155	Whole-Genome Sequencing of Human Enteroviruses from Clinical Samples by Nanopore Direct RNA Sequencing. Viruses, 2020, 12, 841.	1.5	12
156	Searching for synergy: combining systemic daptomycin treatment with localised phage therapy for the treatment of experimental pneumonia due to MRSA. BMC Research Notes, 2021, 14, 381.	0.6	12
157	Meningitis, meningoencephalitis and encephalitis in Bern: an observational study of 258 patients. BMC Neurology, 2021, 21, 474.	0.8	12
158	Vaccination with the recombinant chimeric antigen recNcMIC3-1-R induces a non-protective Th2-type immune response in the pregnant mouse model for N. caninum infection. Vaccine, 2012, 30, 6588-6594.	1.7	11
159	Expression and Function of Psoriasin (S100A7) and Koebnerisin (S100A15) in the Brain. Infection and Immunity, 2013, 81, 1788-1797.	1.0	11
160	The COVID-19 vaccination acceptance/hesitancy rate and its determinants among healthcare workers of 91 Countries: A multicenter cross-sectional study.. EXCLI Journal, 2022, 21, 93-103.	0.5	11
161	Use of a Th1 Stimulator Adjuvant for Vaccination against Neospora caninum Infection in the Pregnant Mouse Model. Pathogens, 2013, 2, 193-208.	1.2	10
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