Denis Grandgirard

List of Publications by Year
in descending order

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95 papers	2,671 citations	159525 30 h-index	223716 46 g-index
97 all docs	97 docs citations	97 times ranked	3037 citing authors

#	Article	IF	Citations
1	Alphaviruses induce apoptosis in Bcl-2-overexpressing cells: evidence for a caspase-mediated, proteolytic inactivation of Bcl-2. EMBO Journal, 1998, 17, 1268-1278.	3.5	178
2	Therapeutic Effects of Bacteriophage Cpl-1 Lysin against Streptococcus pneumoniae Endocarditis in Rats. Antimicrobial Agents and Chemotherapy, 2005, 49, 4789-4792.	1.4	133
3	Prevention of Brain Injury by the Nonbacteriolytic Antibiotic Daptomycin in Experimental Pneumococcal Meningitis. Antimicrobial Agents and Chemotherapy, 2007, 51, 2173-2178.	1.4	108
4	Phage Lytic Enzyme Cplâ€1 for Antibacterial Therapy in Experimental Pneumococcal Meningitis. Journal of Infectious Diseases, 2008, 197, 1519-1522.	1.9	90
5	An infant mouse model of brain damage in pneumococcal meningitis. Acta Neuropathologica, 2007, 114, 609-617.	3.9	86
6	Caspase-3 mediates hippocampal apoptosis in pneumococcal meningitis. Acta Neuropathologica, 2003, 105, 499-507.	3.9	83
7	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
8	Cerebrospinal-fluid cytokine and chemokine profile in patients with pneumococcal and meningococcal meningitis. BMC Infectious Diseases, 2013, 13, 326.	1.3	64
9	Eosinophils regulate adipose tissue inflammation and sustain physical and immunological fitness in old age. Nature Metabolism, 2020, 2, 688-702.	5.1	64
10	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
11	Metformin mediates neuroprotection and attenuates hearing loss in experimental pneumococcal meningitis. Journal of Neuroinflammation, 2019, 16, 156.	3.1	59
12	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
13	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
14	Matrix Metalloproteinase Inhibition Lowers Mortality and Brain Injury in Experimental Pneumococcal Meningitis. Infection and Immunity, 2014, 82, 1710-1718.	1.0	53
15	Strategies to prevent neuronal damage in paediatric bacterial meningitis. Current Opinion in Pediatrics, 2006, 18, 112-118.	1.0	52
16	Caspase-3 Mediates In Part Hippocampal Apoptosis in Sepsis. Molecular Neurobiology, 2013, 47, 394-398.	1.9	48
17	Meningitis in Neonates: Bench to Bedside. Clinics in Perinatology, 2010, 37, 655-676.	0.8	46
18	MMPs and ADAMs in neurological infectious diseases and multiple sclerosis. Cellular and Molecular Life Sciences, 2019, 76, 3097-3116.	2.4	46

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19	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
20	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
21	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
22	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
23	Endogenous and synthetic MMP inhibitors in CNS physiopathology. Progress in Brain Research, 2014, 214, 313-351.	0.9	39
24	Multiple adaptive routes of Salmonella enterica Typhimurium to biocide and antibiotic exposure. BMC Genomics, 2016, 17, 491.	1.2	39
25	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
26	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
27	Bacterial Meningitis Impairs Hippocampal Neurogenesis. Journal of Neuropathology and Experimental Neurology, 2011, 70, 890-899.	0.9	35
28	Streptococcus pneumoniaecapsule determines disease severity in experimental pneumococcal meningitis. Open Biology, 2016, 6, 150269.	1.5	35
29	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
30	The kynurenine pathway is involved in bacterial meningitis. Journal of Neuroinflammation, 2014, 11, 169.	3.1	34
31	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
32	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
33	Inhibition of matrix metalloproteinases attenuates brain damage in experimental meningococcal meningitis. BMC Infectious Diseases, 2014, 14, 726.	1.3	29
34	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
35	Fatal Outcome of European Tick-borne Encephalitis after Vaccine Failure. Frontiers in Neurology, 2017, 8, 119.	1.1	26
36	Effect of interferon-Î² and atorvastatin on Th1/Th2 cytokines in multiple sclerosis. Neurochemistry International, 2008, 53, 17-21.	1.9	24

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37	Essential role of choline for pneumococcal virulence in an experimental model of meningitis. Journal of Internal Medicine, 2008, 264, 143-154.	2.7	23
38	The Mood-Stabilizer Lithium Prevents Hippocampal Apoptosis and Improves Spatial Memory in Experimental Meningitis. PLoS ONE, 2014, 9, e113607.	1.1	23
39	Inflammatory markers in pediatric stroke: An attempt to better understanding the pathophysiology. European Journal of Paediatric Neurology, 2016, 20, 252-260.	0.7	23
40	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
41	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
42	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
43	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
44	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
45	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
46	Adjuvant glycerol is not beneficial in experimental pneumococcal meningitis. BMC Infectious Diseases, 2010, 10, 84.	1.3	20
47	Bacterial meningitis: current therapy and possible future treatment options. Expert Review of Anti-Infective Therapy, 2011, 9, 1053-1065.	2.0	20
48	The matrix metalloproteinase inhibitor RS-130830 attenuates brain injury in experimental pneumococcal meningitis. Journal of Neuroinflammation, 2015, 12, 43.	3.1	20
49	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
50	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
51	Alphaviral cytotoxicity and its implication in vector development. Experimental Physiology, 2005, 90, 45-52.	0.9	17
52	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
53	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
54	Foreign peptide triggers boost in pneumococcal metabolism and growth. BMC Microbiology, 2018, 18, 23.	1.3	17

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55	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
56	Testing bioresorbable stent feasibility in a rat aneurysm model. Journal of NeuroInterventional Surgery, 2019, 11, 1050-1054.	2.0	17
57	Patterns of Neointima Formation After Coil or Stent Treatment in a Rat Saccular Sidewall Aneurysm Model. Stroke, 2021, 52, 1043-1052.	1.0	17
58	Innate and adaptive immune responses following PDâ€L1 blockade in treating chronic murine alveolar echinococcosis. Parasite Immunology, 2021, 43, e12834.	0.7	17
59	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
60	The antidepressant fluoxetine protects the hippocampus from brain damage in experimental pneumococcal meningitis. Neuroscience, 2015, 297, 89-94.	1.1	16
61	An improved simple rat model for global cerebral ischaemia by induced cardiac arrest. Neurological Research, 2016, 38, 373-380.	0.6	15
62	Streptococcus pneumoniae-induced ototoxicity in organ of Corti explant cultures. Hearing Research, 2017, 350, 100-109.	0.9	15
63	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
64	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
65	Do different anesthesia regimes affect hippocampal apoptosis and neurologic deficits in a rodent cardiac arrest model?. BMC Anesthesiology, 2015, 15, 2.	0.7	12
66	Novel and preclinical treatment strategies in pneumococcal meningitis. Current Opinion in Infectious Diseases, 2018, 31, 85-92.	1.3	12
67	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
68	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
69	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
70	Evaluation of antivirals against tick-borne encephalitis virus in organotypic brain slices of rat cerebellum. PLoS ONE, 2018, 13, e0205294.	1.1	10
71	Repetitive transcranial magnetic stimulation activates glial cells and inhibits neurogenesis after pneumococcal meningitis. PLoS ONE, 2020, 15, e0232863.	1.1	10
72	Hair Cell Generation in Cochlear Culture Models Mediated by Novel Î³-Secretase Inhibitors. Frontiers in Cell and Developmental Biology, 2021, 9, 710159.	1.8	10

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73	SiRNA Inhibits Replication of Langat Virus, a Member of the Tick-Borne Encephalitis Virus Complex in Organotypic Rat Brain Slices. PLoS ONE, 2012, 7, e44703.	1.1	10
74	Inhibition of Hippocampal Regeneration by Adjuvant Dexamethasone in Experimental Infant Rat Pneumococcal Meningitis. Antimicrobial Agents and Chemotherapy, 2016, 60, 1841-1846.	1.4	9
75	Effects of Toll-like receptor 2 agonist Pam3CysSK4 on inflammation and brain damage in experimental pneumococcal meningitis. Journal of Neuroimmunology, 2009, 206, 28-31.	1.1	8
76	Pneumolysin and the bacterial capsule of Streptococcus pneumoniae cooperatively inhibit taxis and motility of microglia. Journal of Neuroinflammation, 2019, 16, 105.	3.1	7
77	Virulence Traits of a Serogroup C Meningococcus and Isogenic cssA Mutant, Defective in Surface-Exposed Sialic Acid, in a Murine Model of Meningitis. Infection and Immunity, 2019, 87, .	1.0	7
78	Adjuvant Cannabinoid Receptor Type 2 Agonist Modulates the Polarization of Microglia Towards a Non-Inflammatory Phenotype in Experimental Pneumococcal Meningitis. Frontiers in Cellular and Infection Microbiology, 2020, 10, 588195.	1.8	7
79	Grafted Neural Progenitor Cells Persist in the Injured Site and Differentiate Neuronally in a Rodent Model of Cardiac Arrest-Induced Global Brain Ischemia. Stem Cells and Development, 2020, 29, 574-585.	1.1	7
80	Atorvastatin does not alter serum levels of sCD95 and sCD95L in multiple sclerosis. Clinical and Experimental Immunology, 2008, 152, 280-284.	1.1	6
81	Neuroprotection with the P53-Inhibitor Pifithrin-Î¼ after Cardiac Arrest in a Rodent Model. Shock, 2018, 49, 229-234.	1.0	4
82	Is Penicillin Plus Gentamicin Synergistic Against Sessile Group B Streptococcal Isolates? An in Vivo Study With an Experimental Model of Foreign-Body Infection. Frontiers in Microbiology, 2018, 9, 919.	1.5	4
83	Pathogenic Differences of Type 1 Restriction-Modification Allele Variants in Experimental Listeria monocytogenes Meningitis. Frontiers in Cellular and Infection Microbiology, 2020, 10, 590657.	1.8	4
84	Digest the Sugar, Kill the Parasite: A New Experimental Concept in Treating Alveolar Echinococcosis. Pharmacology, 2021, 106, 3-8.	0.9	4
85	Neuroinflammation in Bacterial Meningitis. , 2017, , 213-252.		3
86	CNS Antigen-Specific Neuroinflammation Attenuates Ischemic Stroke With Involvement of Polarized Myeloid Cells. Neurology: Neuroimmunology and NeuroInflammation, 2022, 9, .	3.1	3
87	Combined therapy with ceftriaxone and doxycycline does not improve the outcome of meningococcal meningitis in mice compared to ceftriaxone monotherapy. BMC Infectious Diseases, 2020, 20, 505.	1.3	1
88	Transcriptomic and immunohistologic analysis of pathogenetic and regeneration processes in pneumococcal meningitis. BMC Proceedings, 2008, 2, .	1.8	0
89	An in vitro model of central nervous system infections and regeneration: neuronal stem cells as regenerative therapies in bacterial meningitis. BMC Proceedings, 2008, 2, .	1.8	0
90	0353. Do the noble gases helium and argon exert neuroprotective effects in a rodent cardiac arrest model?. Intensive Care Medicine Experimental, 2014, 2, .	0.9	0

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91	Title is missing!. , 2020, 15, e0232863.		0
92	Title is missing!. , 2020, 15, e0232863.		0
93	Title is missing!. , 2020, 15, e0232863.		0
94	Title is missing!. , 2020, 15, e0232863.		0
95	Efficacy assessment of a novel endolysin PlyAZ3aT for the treatment of ceftriaxone-resistant pneumococcal meningitis in an infant rat model. PLoS ONE, 2022, 17, e0266928.	1.1	0