Astrid M Van Der Sar

List of Publications by Year
in descending order

47 papers	3,417 citations	159585 30 h-index	214800 47 g-index
49 all docs	49 docs citations	49 times ranked	4202 citing authors

#	Article	IF	Citations
1	Towards a new combination therapy for tuberculosis with next generation benzothiazinones. EMBO Molecular Medicine, 2014, 6, 372-383.	6.9	311
2	Zebrafish embryos as a model host for the real time analysis ofSalmonella typhimuriuminfections. Cellular Microbiology, 2003, 5, 601-611.	2.1	247
3	A star with stripes: zebrafish as an infection model. Trends in Microbiology, 2004, 12, 451-457.	7.7	198
4	Infection of Zebrafish Embryos with Intracellular Bacterial Pathogens. Journal of Visualized Experiments, 2012, , .	0.3	176
5	MyD88 Innate Immune Function in a Zebrafish Embryo Infection Model. Infection and Immunity, 2006, 74, 2436-2441.	2.2	169
6	Zebrafish development and regeneration: new tools for biomedical research. International Journal of Developmental Biology, 2009, 53, 835-850.	0.6	143
7	Mycobacterium marinum Strains Can Be Divided into Two Distinct Types Based on Genetic Diversity and Virulence. Infection and Immunity, 2004, 72, 6306-6312.	2.2	133
8	Transcriptome profiling of adult zebrafish at the late stage of chronic tuberculosis due to Mycobacterium marinum infection. Molecular Immunology, 2005, 42, 1185-1203.	2.2	129
9	The CXCR3-CXCL11 signaling axis mediates macrophage recruitment and dissemination of mycobacterial infection. DMM Disease Models and Mechanisms, 2015, 8, 253-69.	2.4	129
10	The mannose cap of mycobacterial lipoarabinomannan does not dominate the Mycobacteriumâ€“host interaction. Cellular Microbiology, 2008, 10, 930-944.	2.1	124
11	Identification and real-time imaging of a myc-expressing neutrophil population involved in inflammation and mycobacterial granuloma formation in zebrafish. Developmental and Comparative Immunology, 2008, 32, 36-49.	2.3	124
12	Zebrafish embryo screen for mycobacterial genes involved in the initiation of granuloma formation reveals a newly identified ESX-1 component. DMM Disease Models and Mechanisms, 2011, 4, 526-536.	2.4	122
13	Mycobacterial Secretion Systems ESX-1 and ESX-5 Play Distinct Roles in Host Cell Death and Inflammasome Activation. Journal of Immunology, 2011, 187, 4744-4753.	0.8	122
14	The role of gamma interferon in innate immunity in the zebrafish embryo. DMM Disease Models and Mechanisms, 2009, 2, 571-581.	2.4	119
15	Specificity of the zebrafish host transcriptome response to acute and chronic mycobacterial infection and the role of innate and adaptive immune components. Molecular Immunology, 2009, 46, 2317-2332.	2.2	112
16	Tubercle bacilli rely on a type VII army for pathogenicity. Trends in Microbiology, 2012, 20, 477-484.	7.7	83
17	A Novel Extracytoplasmic Function (ECF) Sigma Factor Regulates Virulence in Pseudomonas aeruginosa. PLoS Pathogens, 2009, 5, e1000572.	4.7	77
18	First Demonstration of Antigen Induced Cytokine Expression by CD4-1+ Lymphocytes in a Poikilotherm: Studies in Zebrafish (Danio rerio). PLoS ONE, 2015, 10, e0126378.	2.5	73

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19	Genome-Wide Transposon Mutagenesis Indicates that Mycobacterium marinum Customizes Its Virulence Mechanisms for Survival and Replication in Different Hosts. Infection and Immunity, 2015, 83, 1778-1788.	2.2	72
20	ESX-5-deficient Mycobacterium marinum is hypervirulent in adult zebrafish. Cellular Microbiology, 2012, 14, 728-739.	2.1	58
21	Infection of zebrafish embryos with live fluorescent Streptococcus pneumoniae as a real-time pneumococcal meningitis model. Journal of Neuroinflammation, 2016, 13, 188.	7.2	57
22	Galectin-4 Reduces Migration and Metastasis Formation of Pancreatic Cancer Cells. PLoS ONE, 2013, 8, e65957.	2.5	52
23	Analysis of SecA2-dependent substrates in<i>M</i><i>ycobacterium marinum</i>identifies protein kinase G (PknG) as a virulence effector. Cellular Microbiology, 2014, 16, 280-295.	2.1	49
24	A transgenic zebrafish model for the <i>in vivo</i> study of the blood and choroid plexus brain barriers using <i>claudin 5</i>. Biology Open, 2018, 7, .	1.2	48
25	Mycobacteria employ two different mechanisms to cross the blood-brain barrier. Cellular Microbiology, 2018, 20, e12858.	2.1	45
26	Unexpected Link between Lipooligosaccharide Biosynthesis and Surface Protein Release in Mycobacterium marinum. Journal of Biological Chemistry, 2012, 287, 20417-20429.	3.4	41
27	EspH is a hypervirulence factor for Mycobacterium marinum and essential for the secretion of the ESX-1 substrates EspE and EspF. PLoS Pathogens, 2018, 14, e1007247.	4.7	40
28	Modelling tuberculous meningitis in zebrafish using<i>Mycobacterium marinum</i>. DMM Disease Models and Mechanisms, 2014, 7, 1111-22.	2.4	37
29	Animal Models of Tuberculosis: Zebrafish. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a018580-a018580.	6.2	37
30	Interaction between KDELR2 and HSP47 as a Key Determinant in Osteogenesis Imperfecta Caused by Bi-allelic Variants in KDELR2. American Journal of Human Genetics, 2020, 107, 989-999.	6.2	35
31	Discovery of zebrafish (Danio rerio) interleukin-23 alpha (IL-23Î±) chain, a subunit important for the formation of IL-23, a cytokine involved in the development of Th17 cells and inflammation. Molecular Immunology, 2011, 48, 981-991.	2.2	32
32	Identification of a Glycosyltransferase from Mycobacterium marinum Involved in Addition of a Caryophyllose Moiety in Lipooligosaccharides. Journal of Bacteriology, 2011, 193, 2336-2340.	2.2	27
33	Mannan core branching of lipo(arabino)mannan is required for mycobacterial virulence in the context of innate immunity. Cellular Microbiology, 2013, 15, 2093-2108.	2.1	26
34	Type VII Secretion Substrates of Pathogenic Mycobacteria Are Processed by a Surface Protease. MBio, 2019, 10, .	4.1	20
35	Eye defects in receptor protein-tyrosine phosphatase ? knock-down zebrafish. Developmental Dynamics, 2002, 223, 292-297.	1.8	19
36	CSN5 inhibition triggers inflammatory signaling and Rho/ROCK-dependent loss of endothelial integrity. Scientific Reports, 2019, 9, 8131.	3.3	18

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37	Identification and High-Resolution Imaging of Î±-Tocopherol from Human Cells to Whole Animals by TOF-SIMS Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2018, 29, 1571-1581.	2.8	17
38	Transmission of Mycobacterium marinum From Fish to a Very Young Child. Pediatric Infectious Disease Journal, 2008, 27, 81-83.	2.0	16
39	Structure and Function of RNase AS, a Polyadenylate-Specific Exoribonuclease Affecting Mycobacterial Virulence InÂVivo. Structure, 2014, 22, 719-730.	3.3	16
40	Fluorescent Benzothiazinone Analogues Efficiently and Selectively Label Dpre1 in Mycobacteria and Actinobacteria. ACS Chemical Biology, 2018, 13, 3184-3192.	3.4	16
41	Assessing Pseudomonas Virulence with Nonmammalian Host: Zebrafish. Methods in Molecular Biology, 2014, 1149, 709-721.	0.9	11
42	Prophylactic administration of chicken cathelicidin-2 boosts zebrafish embryonic innate immunity. Developmental and Comparative Immunology, 2016, 60, 108-114.	2.3	10
43	Expression of receptor proteinâ€“tyrosine phosphatase alpha, sigma and LAR during development of the zebrafish embryo. Mechanisms of Development, 2001, 109, 423-426.	1.7	8
44	Cyanovirin-N Inhibits Mannose-Dependent <i>Mycobacterium</i>â€“C-Type Lectin Interactions but Does Not Protect against Murine Tuberculosis. Journal of Immunology, 2012, 189, 3585-3592.	0.8	7
45	Quantification of Natural Growth of Two Strains of <i>Mycobacterium Marinum</i> for Translational Antituberculosis Drug Development. Clinical and Translational Science, 2020, 13, 1060-1064.	3.1	5
46	IL-1R1-Dependent Signals Improve Control of Cytosolic Virulent Mycobacteria <i>In Vivo</i>. MSphere, 2021, 6, .	2.9	4
47	Subcellular localization of M. tuberculosis in vivo and effect of the adaptive immunity. Ultrastructural Pathology, 2017, 41, 133-133.	0.9	1